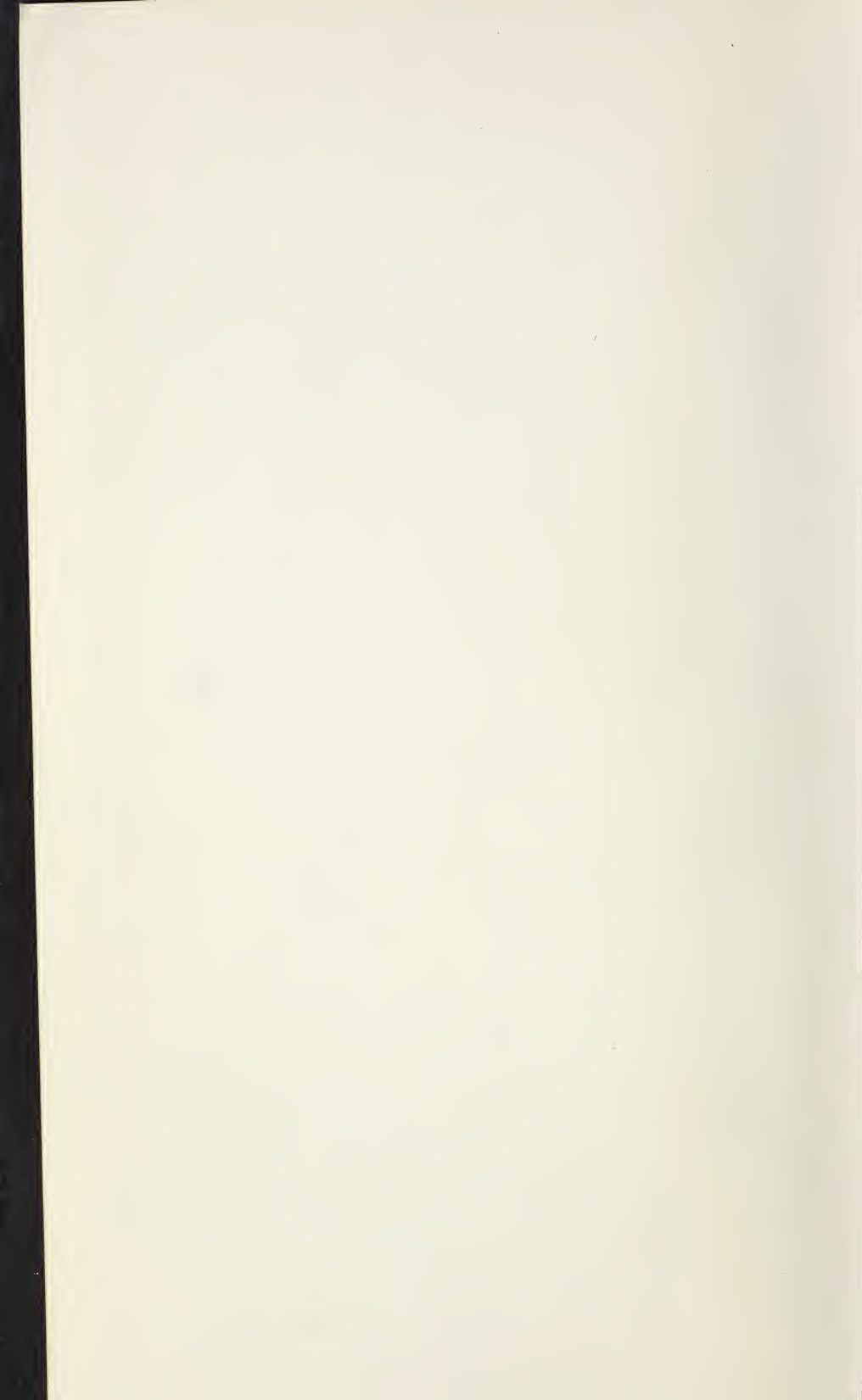








Plant Inventory No. 164

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., April 1966

SB
109
U51
1.164-467
Hort



PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1956 (NOS. 230877 TO 236142)

CONTENTS

	Page
Inventory.....	3
Index of common and scientific names.....	227

This inventory, No. 164, lists the plant material (Nos. 230877 to 236142) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1956. From 1954 to 1957, the branch was known as the Plant Introduction Section, Horticultural Crops Research Branch, Agricultural Research Service, United States Department of Agriculture. The inventory is a historical record of plant material introduced for Department and other specialists and is not to be considered as a list of plant material for distribution.

EUGENE GRIFFITH and
HOWARD L. HYLAND,
Botanists.

*Plant Industry Station,
Beltsville, Md.*

INVENTORY

230877. CITRUS SINENSIS (L.) Osbeck Rutaceae. Sweet orange.

From Spain. Presented by J. R. Jurr, Almeria. Received Jan. 3, 1956.

'Castellana'. Fruits round, early.

230878 to 230924.

From the United States. Plants growing at the United States Plant Introduction Station, Coconut Grove, Florida. Numbered Jan. 3, 1956.

230878. ALPHONSEA LUTEA Hook. f. & Thom. Annonaceae.

No. 14171. Grown from seeds presented by R. J. Godbey, Kendall, Fla.

230879. AMOORA ROHITUKA (Roxb.) Wight & Arn. Miliaceae.

No. 14249. From the Atkins Garden, Cienfuegos, Cuba.

230880. ANISOMELES SALVIAEFOLIA R. Br. Menthaceae.

No. 14228. From E. A. Menninger, Stuart, Fla.

230881. BILLBERGIA PORTEANA Brongn. Bromeliaceae.

No. 14185.

230882. BUTEA MONOSPERMA (Lam.) Taub. Fabaceae. Bengal kino.

No. 14275. From the Atkins Garden, Cienfuegos, Cuba.

230883. CALLISTEMON BRACHYANDRUS Lindl. Myrtaceae. Bottlebrush.

No. 14146. From Australia, through E. A. Menninger, Stuart, Fla.

230884. CALLISTEMON SPECIOSUS (Sims.) DC. Showy bottlebrush.

No. 14040. From Australia, through E. A. Menninger.

230885. CALLITRIS ROBUSTA (Parl.) F. M. Bailey Pinaceae. Cypress-pine.

No. 14174. From Australia, through E. A. Menninger.

230886. CARISSA CARANDAS L. Apocynaceae. Karanda.

No. 14421. From the Atkins Garden, Cienfuegos, Cuba.

230887. CASSIA BREWSTERI F. Muell. Caesalpiniaceae.

No. 14180. From Australia, through E. A. Menninger.

230888. CHRYSALIDOCARPUS sp. Phoenicaceae.

No. 13955. Collected by Harold E. Moore in Atkins Garden, Cienfuegos, Cuba.

230889. COLVILLEA RACEMOSA Boj. Caesalpiniaceae.

No. 14165. From E. A. Menninger.

230890. COPERNICIA AUSTRALIS Becc. Phoenicaceae.

Palm.

No. 14101. Collected by E. D. Kitzke in Paraguay.

230891. CORDYLINAE AUSTRALIS (Forst.) Hook. Liliaceae.

Green dracena.

No. 14158. From E. A. Menninger.

230892. DODONAEA ATTENUATA A. Cunn. Sapindaceae.

Hopbush.

No. 14206. From E. A. Menninger.

230893. COMBEYA NYASICA Exell. Sterculiaceae.

No. 14238. From Nyasaland, through E. A. Menninger.

230878 to 230924—Continued

230894. *DOMBEYA ROTUNDIFOLIA* Planch.

No. 14239. From Nyasaland, through E. A. Menninger.

230895. *DOMBEYA* sp.

No. 14237. From Nyasaland, through E. A. Menninger.

230896. *EDYTHRINA FUSCA* Lour. Fabaceae.

Coraltree.

No. 14177. From Australia, through E. A. Menninger.

230897. *ERYTHRINA TOMENTOSA* R. Br.

Coraltree.

No. 14178. From Australia, through E. A. Menninger.

230898 to 230904. From Western Australia, through E. A. Menninger.

230898. *EUCALYPTUS CLOEZIANA* F. Muell. Myrtaceae.

Nos. 14176 and 13802.

230899. *EUCALYPTUS ERYTHROCORYS* F. Muell.

No. 14214.

230900. *EUCALYPTUS EWARTIANA* Maiden.

No. 14217.

230901. *EUCALYPTUS KESSELLII* Maid. & Blakely.

No. 14209.

230902. *EUCALYPTUS LEUCOPHYLLA* Domin.

No. 14230.

230903. *EUCALYPTUS TORQUATA* Luehm.

No. 14207.

230904. *FICUS CHRYSOCARPA* Reinw. Moraceae.

Fig.

No. 14242.

230905. *GARCINIA DULCIS* (Roxb.) Kurz. Clusiaceae.

No. 14248. Collected by H. F. Loomis in Atkins Garden, Cienfuegos, Cuba.

230906. *KOPSIA FRUTICOSA* (Ker.) A. DC. Apocynaceae.

No. 14254. Collected by H. F. Loomis in Atkins Garden, Cienfuegos, Cuba.

230907 to 230911. From Australia, through E. A. Menninger, Stuart, Fla.

230907. *MELALEUCA ERICIFOLIA* J. E. Sm. Myrtaceae.

No. 13804.

230908. *MELALEUCA GENISTIFOLIA* J. E. Sm.

No. 14227.

230909. *MELALEUCA HUEGELII* Endl.

No. 14203.

230910. *MELALEUCA PAUPERIFLORA* F. Muell.

No. 14069.

230911. *MELALEUCA PUBESCENS* Schauer.

No. 14202.

230912. *MUNDULEA* sp. Fabaceae.

No. 14117. From India, through E. A. Menninger.

230913. *ORMOSIA MONOSPERMA* (Sw.) Urban Fabaceae.

Necklacetree.

No. 14252. Collected by H. F. Loomis in Atkins Garden, Cienfuegos, Cuba.

230878 to 230924—Continued**230914.** *PACHYPODIUM* sp. Apocynaceae.

No. 14183. From E. A. Menninger.

230915. *PASSIFLORA UMBILICATA* (Griseb.) Harms Passifloraceae. **Granadilla.**

No. 14247. From Bolivia, through Park, Davis & Co., Detroit, Mich.

230916. *PITTOSPORUM HOSMERI* Rock Pittosporaceae.

No. 14057. From Hawaii, through J. F. Rock.

230917. *POLYGALA VIRGATA* Thunb. Polygalaceae.

No. 14037. From South Africa, through E. A. Menninger.

230918. *RANDIA DUMETORUM* (Retz) Lam. Rubiaceae.

No. 13797. From Penagalura, Cuddapah, India, through E. A. Menninger.

230919. *RUTTYA* sp. Acanthaceae.

No. 14149 and 14166. From South Africa, through E. A. Menninger.

230920. *SOPHORA TETRAPTERA* J. Miller Fabaceae.

No. 14159. From New Zealand, through E. A. Menninger.

230921. *STEREOSPERMUM KUNTHIANUM* Cham. Bignoniaceae.

No. 14080.

230922. *STRYCHNOS POTATORUM* L. f. Loganiaceae.

No. 13795. From Penagalura, Cuddapah, through E. A. Menninger.

230923. *TECOMARIA NYASSAE* (Oliver) K. Schum. Bignoniaceae.

No. 14118. From E. A. Menninger.

230924. *TISSERANTODENDRON CHEVALIERI* Sillans Bignoniaceae.

No. 14290.

230925 to 230944. *CAMELLIA* sp. Theaceae.

From Japan. Cuttings presented by the Agricultural Attache, American Embassy, Tokyo. Received Jan. 3, 1956.

230925. 'Ama Obune'.**230935.** 'Hasumi-Jiro'.**230926.** 'Ezo-Nishiki'.**230936.** 'Kara-Ito'.**230927.** 'Fransu-Jiro'. (France, white).**230937.** 'Kasuga-No'.**230928.** 'Fukurin-Ikkyn'.**230938.** 'Kayoi-Dori'.**230929.** 'Genji-Geruma'.**230939.** 'Kuki-Sarasa'.**230930.** 'Genji-Karako'.**230940.** 'Momiji-Gori'.**230931.** 'Go-Ishi'.**230941.** 'Murasaki-Tsubaki'.**230932.** 'Haku-Gan'.**230942.** 'Oranda-Beni'.**230933.** 'Hakuro-Nishiki'.**230943.** 'Ran-Byoshi'.**230934.** 'Haru-No-Utena'.**230944.** 'Syuchu-kwa'.**230945 to 230960.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 4, 1956.

230945 and 230946. *NICOTIANA DEBNEYI* Domin Solanaceae.**Tobacco.**

Carnarvon Ranges, Queensland.

230945. No. 979.**230946.** T.S. 111.

230945 to 230960—Continued

- 230947 to 230949.** *NICOTIANA EXIGUA* Wheeler **Tobacco.**
 Lincoln's Gap, South Australia.
230947. No. 476.
230948. NTB 4671.
230949. T.S. 43.
- 230950 to 230952.** *NICOTIANA GOODSPEEDII* Wheeler **Tobacco.**
 Peninsula, South Australia.
230950. No. 980.
230951. T.S. 6.
230952. T.S. 106.
- 230953 to 230955.** *NICOTIANA GOSSEI* Domin **Tobacco.**
230953. No. 976. Todd River, near Alice Springs, Central Australia.
230954. NTB 4371. Todd River, near Alice Springs, Central Australia.
230955. (No number). Stanley Chasm, east of Alice Springs, South Australia.
- 230956 to 230958.** *NICOTIANA MEGALOSIPHON* Heurck & Muell.-Arg. **Tobacco.**
230956. No. 977. Conner's River Queensland.
230957. T.S. 28. Ourigilla, Queensland.
230958. T.S. 110. Conner's River, Queensland.
- 230959.** *NICOTIANA ROTUNDIFOLIA* Lindl. **Tobacco.**
 No. 978.
- 230960.** *NICOTIANA SUAVEOLENS* Lehm. **Tobacco.**
 No. TS-9. Murrurundi, New South Wales.

230961 to 230964.

From Portugal. Plants presented by Estacao Agronomica Nacional, Sacavem.
 Received Jan. 5, 1956.

- 230961 to 230963.** *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**
230961. No. 33₄ (Immune)—Sel. 228-23 (C.R.S. Balehonur, India).
230962. No. 34₅ (Immune)—Sel. 353 4/5 (C.R.S. Balehonur, India).
230963. No. 35₉ (Susceptible only to the cultures of *Hem. vastatrix*)—Sel. 286-7 (C.R.S. Balehonur, India).
- 230964.** *COFFEA CANEPHORA* Pierre ex Froehn. **Coffee.**
 No. 1₈ (Immune)—Angola.

230965 to 230967.

From Japan. Seeds presented by N. Takahashi, Hokkaido Experimental Forest,
 Yamabe-mura, Sorachi-gun, Hokkaido. Received Jan 6, 1956.

- 230965.** *AESCULUS TURBINATA* Blume Aesculaceae. **Japanese horsechestnut.**
230966. *PICEA GLEHNII* (Schmidt) Masters Pinaceae. **Sakhalin spruce.**
230967. *PINUS KORAIENSIS* Sieb. & Zucc. Pinaceae. **Korean pine.**

230968 to 230981. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seeds presented by the Agricultural Attache, American Embassy, Tokyo. Received Jan. 6, 1956.

230968. No. 1.

230975. No. 8.

230969. No. 2.

230976. No. 9.

230970. No. 3.

230977. No. 10.

230971. No. 4.

230978. No. 11.

230972. No. 5.

230979. No. 12.

230973. No. 6.

230980. No. 13.

230974. No. 7.

230981. No. 14.

230982. CYPERUS GRACILIS R. Br. Cyperaceae.

From Hawaii. Plants presented by the University of Hawaii, Honolulu. Received Jan. 9, 1956.

Perennial sedge native to Australia and known as McCoy grass. Plants small; leaves fine; free-flowering. Resembles mascarene grass; outranks other grasses for shade tolerance.

230983 to 230985.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 10, 1956.

230983. GLYCINE FALCATA Benth. Fabaceae.

From Gilruth Plains.

230984. MEDICAGO PROSTRATA Jacq. Fabaceae.

Medic.

Originally from Spain.

230985. MEDICAGO SATIVA var. GAETULA Urban Fabaceae.

Alfalfa.

Originally from Algeria.

230986 and 230987.

From Australia. Seeds presented by the American Embassy, Canberra. Received Dec. 28, 1955.

Originally from Assam, India.

230986. CITRUS INDICA Tanaka Rutaceae.

India wild orange.

Plant to 2 meters high; young branches spinous; leaves lanceolate; flowers solitary, bisexual; stamens pubescent; fruits spherical to depressed globose, deep orange to scarlet when fully ripe, surface smooth; rind very thin, oil glands conspicuous; flavor disagreeable, juice scant, very sour; seeds large, to 7 per fruit.

230987. CITRUS LATIPES (Swingle) Tanaka

Tree medium to tall, spreading; foliage dense, stout and thorny; leaves ovate-lanceolate or broadly lanceolate; petiole broadly winged; flowers perfect, clustered, occasionally solitary; fruits almost globular, surface smooth, rind medium thick; seeds to 60 per fruit.

230988 to 230991. ORYZA SATIVA L. Poaceae.

Common rice.

From Japan. Seeds presented by the Agricultural Experiment Station, Kitami, Hokkaido. Received Jan. 11, 1956.

230988. 'Hokkai 116 gō'.

230990. 'Norin 34 gō'.

230989. 'Norin 15 gō'.

230991. 'Norin 42 gō (Sirayuki)'.

230992. ASARUM ASAROIDES (Morr. & Dene.) Makino Aristolochiaceae.

From Japan. Plants presented by the Ministry of Agriculture and Forestry, Shikoku Agricultural Experiment Station, Zentsuji, Kagawa.
Received Jan. 11, 1956.

230993. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From the Netherlands. Tubers presented by A. De Ridder, Landbouwer, Halfweg.
Received Jan. 12, 1956.

'Bintje'. Long white tubers.

230994 to 231027. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Ethiopia. Seeds presented by the Jimma Agricultural Technical School, Jimma. Received Jan. 12, 1956.

230994 to 231024. From Forest near village of Buda Buna, Kaffa Province (near Jimma). Elevation about 1,806 meters.

- 230994.** No. 1. Plant medium tall, greentip; cherry red.
- 230995.** No. 2. Plant tall, greentip; cherry red.
- 230996.** No. 3. Plant semidwarf, greentip; cherry red.
- 230997.** No. 4. Plant tall, greentip; cherry orange.
- 230998.** No. 5. Plant medium tall, greentip; cherry red.
- 230999.** No. 6. Plant tall, greentip; cherry red.
- 231000.** No. 7. Plant tall, greentip; cherry red.
- 231001.** No. 8. Plant medium tall, greentip; cherry orange.
- 231002.** No. 9. Plant tall, greentip; cherry red.
- 231003.** No. 10. Plant semidwarf, greentip; cherry orange.
- 231004.** No. 11. Plant tall, greentip; cherry red.
- 231005.** No. 12. Plant dwarf, greentip; cherry deep red.
- 231006.** No. 13. Plant tall, greentip; cherry red.
- 231007.** No. 14. Plant semidwarf, greentip; cherry red.
- 231008.** No. 15. Plant semidwarf, greentip; cherry red.
- 231009.** No. 16. Plant medium tall, greentip; cherry red.
- 231010.** No. 17. Plant semidwarf, greentip; cherry deep orange.
- 231011.** No. 18. Plant semidwarf, greentip; cherry red.
- 231012.** No. 19. Plant medium tall, greentip; cherry red.
- 231013.** No. 20. Plant medium tall, greentip; cherry orange to red.
- 231014.** No. 21. Plant dwarf, greentip; cherry orange to red.
- 231015.** No. 22. Plant semidwarf, greentip; cherry red.
- 231016.** No. 23. Plant medium tall, greentip; cherry orange to red.
- 231017.** No. 24. Plant medium tall, greentip; cherry red.
- 231018.** No. 25. Plant dwarf, greentip; cherry red.
- 231019.** No. 26. Plant medium tall, greentip; cherry yellow to orange.
- 231020.** No. 27. Plant medium tall, greentip; cherry red.
- 231021.** No. 28. Plant medium tall, greentip; cherry red.
- 231022.** No. 29. Plant dwarf, greentip; cherry yellow to orange.
- 231023.** No. 30. Plant extra dwarf; leaves variegated; cherry orange.
- 231024.** No. 31. Plant semidwarf, greentip; cherry orange.

230994 to 231027—Continued

231025. No. 32. Lemu District, Kaffa Province. Elevation 1,806 meters.

231026. No. 33. Buda Buna Forest, Kaffa Province. Elevation 1,806 meters.

231027. No. 34. Saca Lemu District, Kaffa Province. Elevation 1,806 meters.

231028. *CAMELLIA* × *WILLIAMSII* W. W. Smith Theaceae.

From Great Britain. Rooted cuttings presented by the Royal Horticultural Society, Wisley, Surrey, England. Received Jan. 12, 1956.

'Francis Hanger'.

231029 to 231031.

From Guatemala. Seeds presented by the Servicio Co-operativo Inter-Americano de Agricultura, La Aurora. Received Jan. 12, 1956.

231029. *EUCHLAENA MEXICANA* Schrad. Poaceae. **Mexican teosinte.**

231030. *SOLANUM* sp. Solanaceae.

'Huevos de Gato'.

231031. *SOLANUM* sp.

'Lava Plato'.

231032 to 231038. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From Mozambique. Seeds presented by Junta de Exportacao do Algodao, Lourenco Marques. Received Jan. 16, 1956.

231032. 'Almadnagor Black'. **231036.** 'Viragaon Brown'.

231033. 'Almadnagor White'. **231037.** 'Viragaon Brown'. Seeds

231034. 'Branco'. black.

231035. 'Satora Brown'. **231038.** 'Viragaon Brown'. Seeds

pinkish.

231039 and 231040. *NICOTIANA TABACUM* L. Solanaceae.

Common tobacco.

From Japan. Seeds presented by the Hatano Tobacco Experiment Station, Iwata, Shizuoka. Received Jan. 17, 1956.

231039. 'Aurea', mutant from 'Bright Yellow'.

231040. 'Mammoth', mutant from 'Bright Yellow'.

231041 to 231048.

From New York. Plant material growing at the New York State Agricultural Experiment Station, Geneva. Numbered Jan. 17, 1956.

231041. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. **Strawberry clover.**

No. 2. A component of P.I. 204510, *T. repens*. Originally from Yozgat, Turkey.

231042. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

No. 4. A component of P.I. 180491, *Trifolium repens*. Originally from India.

231043. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. **Strawberry clover.**

No. 6. A component of P.I. 223297, *T. repens*. Originally from Kataghan, Afghanistan.

231044. *PHALARIS BRACHYSTACHYS* Link Poaceae. **Canarygrass.**

No. 8. A component of P.I. 223180, *P. tuberosa*. Originally from Athens, Greece.

231041 to 231048—Continued**231045.** PHALARIS MINOR Retz.**Littleseed canarygrass.**No. 10. A component of P.I. 223182, *P. tuberosa*. Originally from Athens, Greece.**231046.** BRASSICA CARINATA A. Br. Brassicaceae.

No. 17. A selection from P.I. 199950. Originally from Addis Ababa, Ethiopia.

231047. BRASSICA OLERACEA var. GONGYLODES L.**Kohlrabi.**No. 20. A component of P.I. 211581, *B. oleracea* var. *capitata*. Originally from Herat Province, Afghanistan.**231048.** BRASSICA OLERACEA var. BOTRYTIS L.**Cauliflower.**No. 26. A component of P.I. 212080, *B. oleracea* var. *capitata*. Kandahar Province, Afghanistan.**231049 to 231053.**

From Great Britain. Plants presented by the Director, Royal Botanic Gardens, Kew, England. Received Jan. 16, 1956.

231049. ARUNDINARIA ANCEPS Mitf. Poaceae.**Bamboo.****231050.** CHIMONOBAMBUSA FALCATA (Nees) Nakai Poaceae.**Bamboo.****231051.** SINARUNDINARIA MURIELAE (Gamble) Nakai Poaceae.**Bamboo.****231052.** SINARUNDINARIA NITIDA (Mitf.) Nakai**Bamboo.****231053.** ARUNDINARIA VAGANS Gamble Poaceae.**Bamboo.****231054 to 231057.**

From Okinawa. Seeds collected by the U.S. Civil Administration, Ryukyu, in Northern Okinawa. Received Jan. 18, 1956.

231054 and 231055. CAMELLIA JAPONICA L. Theaceae. **Common camellia.****231054.** 'Hozanensis'.**231055.** 'Macrocarpa'.**231056.** TUTCHERIA VIRGATA (Koidz.) Nakai Theaceae.**231057.** CAMELLIA MIYAGII (Koidz.) Makino & Nemoto Theaceae.**231058.** LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

From Bolivia. Seeds presented by the Cochabamba Experiment Station, Cochabamba. Received Jan. 17, 1956.

'Rey Humberto'.

231059 and 231060.

From the Philippines. Roots presented by the College of Agriculture, Los Banos. Received Jan. 18, 1956.

231059. DICHANTHIUM ARISTATUM (Poir.) C. E. Hubb. Poaceae. 'Alabang'.**231060.** PANICUM PURPURASCENS Raddi Poaceae.**Paragrass.****231061 and 231062.**

From India. Seeds presented by G. Ghose & Co., Townend, Darjeeling. Received Jan. 18, 1956.

231061. COFFEA BENGALENSIS Roxb. Rubiaceae.**Coffee.****231062.** COFFEA KHASIANA Hook. f.**Coffee.**

231063. *CLAUSENA HEPTAPHYLLA* (Roxb.) Wight & Arn. Rutaceae
From Australia. Seeds presented by Ed Pollock, Parkes, New South Wales.
Received Jan. 18, 1956.

The species is found in rocky areas of Assam, India, having from 50 to 60 inches rainfall per annum and a temperature range of 40 to 80 degrees F.

231064 to 231072.

From the United States. Plants growing at the United States Plant Introduction Garden, Glenn Dale, Maryland. Numbered Jan. 18, 1956.

231064 to 231067. From Ralph Peer, Los Angeles, Calif.

231064. *CAMELLIA PITARDII* Cohen Stuart Theaceae.

231065. *CAMELLIA SALUENENSIS* Stapf

231066. *CAMELLIA TALIENSIS* (W. W. Smith) Melch.

231067. *CAMELLIA TSAI* Hu

231068 to 231071. Originally from T. Saito, Okinawa.

231068. *ILEX CINEREA* Champ. Aquifoliaceae.

Holly.

231069. *ILEX HANCEANA* Maxim.

Holly.

231070. (Undetermined.)

231071. *ILEX WARBERGII* Loes. Aquifoliaceae.

Holly.

231072. *QUERCUS SESSILIFOLIA* Blume. Fagaceae.

Oak.

From the Missouri Botanic Garden, St. Louis, Mo. Originally from Japan.

231073. *PLEIOSPERMIUM ALATUM* (Wight & Arn.) Swingle Rutaceae.
From India. Seeds presented by the District Agricultural Officer, Shillong, Assam. Received Jan. 19, 1956.

Fruits small, globose, resemble wild lemons.

231074 to 231085. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**
From Hawaii. Seeds presented by the Hawaiian Sugar Planters Association, Honolulu. Received Jan. 19, 1956.

231074. No. 14. 'Lahanina' $\times$ No. 448.

231075. No. 15. 'Lahanina' $\times$ 53-9004.

231076. No. 16. 'Lahanina' $\times$ 53-9270.

231077. No. 45. 'Lahanina' $\times$ 51-9035.

231078. No. 46. 'Lahanina' $\times$ 51-9042.

231079. No. 11. NC 132 $\times$ Mol. 1032.

231080. No. 17. 'Rose Bamboo' $\times$ 53-9395.

231081. No. 49. 'Rose Bamboo' $\times$ 51-9040.

231082. No. 2501.-'Sport Mandalay' $\times$ Self.

231083. No. 6. 53-9397 $\times$ Self.

231084. No. 7. 53-9070 $\times$ Self.

231085. No. 8. 53-9201 $\times$ Self.

231086. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. **Strawberry clover.**

From the United States. Plant material being grown at New York State Agricultural Experiment Station, Cornell University, Geneva, New York.
Numbered Jan. 20, 1956.

A component of P.I. 204510, originally from Yozgat, Turkey.

231087. HYPHAENE sp. Phoenicaceae.

From Ethiopia. Seeds presented by the American Embassy, Addis Ababa.
Received Jan. 20, 1956.

231088 to 231092. FRAGARIA (hybrids). Rosaceae. Strawberry.

From Japan. Plants presented by the Agricultural Attache, American Embassy,
Tokyo. Received Jan. 20, 1956.

231088. 'Fukuba'.

231091. 'Sugar Berries'.

231089. 'Haikara' ('Excelsior').

231092. 'Victoria'.

231090. 'Marshal'.

231093 to 231102. CHRYSANTHEMUM (hybrids). Asteraceae.

From Japan. Plants purchased from Takii & Co., Kyoto. Received Jan. 20,
1956.

231093. 'Daigyokuden'.

231098. 'Kingecko'.

231094. 'Fuku-un'.

231099. 'Kinkazan'.

231095. 'Hakucho'.

231100. 'Shinmisono'.

231096. 'Hinomaru'.

231101. 'Shuokan'.

231097. 'Kinbyobu'.

231102. 'Tsukasa'.

231103 to 231106. CAMELLIA SENENSIS (L.) Kuntze Theaceae. Tea.

From Peru. Seeds presented by Programa Cooperativo de Experimentacion
Agropecuaria, Lima. Received Jan. 23, 1956.

231103. 'Chino-negro'.

231105. 'Hibrido'.

231104. 'Chino-verde'.

231106. 'Indigena'.

231107 and 231108.

From Malaya. Seeds presented by the Department of Agriculture, Federation
of Malaya, Kuala Lumpur. Received Jan. 23, 1956.

231107. *COFFEA LIBERICA* Bull. Rubiaceae.

Liberian coffee.

231108. *COFFEA* (hybrid).

(Kawisari hybrid.)

231109. CATASETUM SACCATUM var. INCURVUM (Kl.) Mansfeld Orchidaceae.

From the United States. Plant growing at the United States Plant Introduction
Garden, Coconut Grove, Florida. Numbered Jan. 23, 1956.

Originally received from Felipe Garcia Velasquez, Tarapoto, Peru, Feb. 18,
1953.

231110. ORYZA GLABERRIMA Steud. Poaceae.

Rice.

From the Sudan. Seeds presented by the Food and Agricultural Organization,
Egypt. Received Jan. 23, 1956.

From Yirol, Province of Bahr el Ghazal.

231111 to 231114. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Puerto Rico. Seeds presented by the Estacion Experimental Agricola,
Rio Piedras. Received Jan. 23, 1956.

231111. 'Padang'.

231113. 'Polysperma'.

231112. 'Phillippinean'.

231114. 'Villalobas'.

231115 to 231121. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Guatemala. Seeds presented by the Servicio Cooperativo Inter-Americano de Agricultura, La Aurora, Guatemala City. Received Jan. 23, 1956.

231115. (PxK) × Md. II-2734-2c(1-2)×2T.

231116. (1991x1756) × P) × Kt48 II-2746-1c1T.

231117. (SxK) × (PxS) × P) II-2809-1c1x4x1x0.

231118. (SxK) × (PxS) × P) II-2809-1c1xmx10x(405)x.

231119. (SxK) × (PxS) × P) II-2809-1c1xmx35x5x.

231120. (SxK) × (PxS) × P) II-2809-1c1xmx45x1x.

231121. (SxK) × (PxS) × P) II-2809-1c1xmx81x0.

231122 TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Argentina. Seeds collected by J. Vallega, Castelar. Received Jan. 23, 1956.

Nos. 862, 864. 'Magnif 27'.

231123. LOTUS CORNICULATUS L. Fabaceae.**Birdsfoot trefoil.**

From Austria. Seeds presented by the Sundersanstalt fur Pflanzenbau und Samanprufung, Vienna. Received Jan. 23, 1956.

'Reichersberger Schotenkler'.

231124. COFFEA ARABICA L. Rubiaceae.**Arabian coffee.**

From Guatemala. Seeds presented by the Servicio Cooperativo Inter-Americano de Agricultura, La Aurora, Guatemala City. Received Jan. 23, 1956.

'Pache'.

231125 and 231126.

From the United States. Plants growing at the United States Plant Introduction Garden, Glenn Dale, Maryland. Numbered Jan. 24, 1956.

231125. PRUNUS SERRULATA Lindl. Amygdalaceae.

Oriental flowering cherry.

'Benifugen'.

231126. PRUNUS SUBHIRELLA Miquel.

Higan cherry.

'Shidare-higan'.

231127. JUGLANS REGIA L. Juglandaceae.**Persian walnut.**

From the Netherlands. Scions presented by the Institute for Horticultural Plant Breeding, Wageningen. Received Jan. 24, 1956.

'Bel'.

231128 and 231129. ORYZA SATIVA L. Poaceae.**Common rice.**

From the Philippines. Seeds presented by the Central Experiment Station, University of the Philippines, Laguna. Received Jan. 24, 1956.

231128. 'Raminad Strain-3'.

231129. 'Viag-Viag-A'.

231130. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

From the United States. Seeds planted at the Regional Plant Introduction Station, Experiment, Georgia. Numbered Jan. 24, 1956.

A component of P.I. 171584 collected in Turkey.

231131 to 231134. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Ecuador. Seeds presented by the Servicio Cooperativo de Agricultura, Quito. Received Jan. 25, 1956.

231131. 'Aquileia' × 'Kenya 3577-1'.

231132. 'Camarones' × 'Kenya 9906'.

231133. 'Froncosa' × 'Kenya'—'Gular 4913'—4779-2.

231134. 'Midas' × M. 422-3719-1.

231135 to 231143.

From Great Britain. Seeds presented by the Royal Horticultural Society Gardens, Wisley, Ripley, Surrey, England. Received Jan. 25, 1956.

231135. GAULTHERIA CUNEATA (Rehd. & Wils.) Bean Ericaceae.

231136. GAULTHERIA ITOANA Hayata

231137. GAULTHERIA MIQUELIANA Takeda

Miquel wintergreen.

231138. GAULTHERIA PROCUMBENS L.

231139. GAULTHERIA SHALLON Pursh

231140. LYONIA LIGUSTRINA (L.) DC. Ericaceae.

231141. LYONIA MARIANA (L.) D. Don

231142. ROSCOEA ALPINA Royle Zingiberaceae.

231143. ROSCOEA HUMEANA Balf. & Smith

231144 and 231145.

From Great Britain. Plants obtained from Hillier & Sons, Winchester, England. Received Jan. 25, 1956.

231144. PYRUS SALICIFOLIA Pall. Malaceae.

Willowleaf pear.

231145. VITIS DAVIDII (Carr.) Foex Vitaceae.

Brier grape.**231146. ZOYSIA MATRELLA (L.) Merr. Poaceae.****Manilagrass.**

From China. Stolons presented by the National Taiwan University, Taipei, Taiwan. Received Jan. 25, 1956.

231147 to 231149. INDIGOFERA HIRSUTA L. Fabaceae. Hairy indigo.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 25, 1956.

231147. C.P.I. 13304. From Southern Rhodesia.

231148. C.P.I. 16676. From Southern Rhodesia.

231149. From Brisbane, Queensland.

231150 to 231163.

From Colombia. Seeds presented by the Rockefeller Foundation, Bogota. Received Jan. 27, 1956.

231150. HORDEUM sp. Poaceae.

Po.

231151. HORDEUM sp.

Fun.

231152. HORDEUM sp.

Fun. × Mo. II-77-11B-6B(1-12B)

231153. HORDEUM sp.

Fun. × Mo. II-77-11B-6B(1-15B)

231150 to 231163—Continued**231154.** HORDEUM sp.

Fun. × Tch. 929. II-211-10B-10B-(1-14B)

231155. HORDEUM sp.

Fun. × Tch. 929. II-211-10B-13B-(1-13B)

231156. HORDEUM sp.

Pt. × Ra. II-15-1B-1B-3B-(1-13B)

231157. HORDEUM sp.

FR. 63-1 × Ki. II-204-3B-3B-(1-16B)

231158. HORDEUM sp.

Fr. 1963 × Fun. II-197-1B02B-(-12B)

231159. HORDEUM sp.

At. × Fun. II-335-7B-(1-11B)

231160. HORDEUM sp.

1226 × (FR. 1391 × Mo.) II-439-2B-1B-(1-29T)

231161. HORDEUM sp.

Fun. × (Fun. × PL.5649) II-871-5BO(1-9B)

231162. HORDEUM sp.

(Fun. × H.45) × (PL. 3604 × Fun.) II-873-5B-(1-15T)

231163. HORDEUM sp.

Erectoides 16 × (D.C. 1 × Un.) II-758-1B-(1-24B)

231164 to 231171.

From Denmark. Seeds presented by the Botanic Garden de l'Universite Copenhagen, Copenhagen. Received Jan. 27, 1956.

231164. THALICTRUM AQUILEGIFOLIUM L. Ranunculaceae.

Columbine meadowrue.

231165. THALICTRUM DELAVAYI Franch.

Meadowrue.

231166 and 231167. THALICTRUM DUNENSE Dum.

Meadowrue.

231166. Collected in northern Ireland.**231167.** From Denmark.**231168.** THALICTRUM FLAVUM L.

Meadowrue.

231169. THALICTRUM FOETIDUM L.

Meadowrue.

231170. THALICTRUM GLAUCUM Desf.

Dusty meadowrue.

231171. THALICTRUM LUCIDUM L.

Narrowleaf meadowrue.

Originally from Kolozwar, Hungary.

231172. GLYCINE MAX (L.) Merr. Fabaceae.

Soybean.

From Sweden. Seeds presented by Algot Holmberg & Soner A-B, Norrköping. Received Jan. 30, 1956.

'Fiskeby No. 843-15-4'.

231173. RAUVOLFIA VOMITORIA Afzel. Apocynaceae. Devilpepper.

From the Belgian Congo. Seeds presented by Refa Poponkabaka, Leopoldville. Received Jan. 30, 1956.

231174 to 231177. ORYZA SATIVA L. Poaceae. Common rice.

From France. Seeds presented by the Ecole Nationale d'Agriculture de Montpellier, Herault. Received Jan. 30, 1956.

231174. 'Americano 1600'—G.S. No. 621.

231175. 'Balilla'—G.S. No. 622.

231176. 'Bulgare'—G.S. No. 623.

231177. 'Stirpe 136'—G.S. No. 628.

231178 to 231193. ZEA MAYS L. Poaceae. Corn.

From the United States. Seeds planted at the University of Wisconsin, Madison. Numbered Feb. 3, 1956.

A collection of Peruvian and Bolivian corn varieties made by Carlos Ochoa of the Ministerio de Agricultura, Lima, Peru.

231178. From Apurimac, Peru.

231179. From Cuzco, Peru.

231180. C.O. 2550. 'Cuti Sara'. From Cochabamba, Bolivia, May, 1955.
A very curious maize, with the kernels pointing in two directions.

231181. C.O. 2549. 'Janko Toncco'. From Callapani near Tiquina, Department of La Paz, Bolivia. Elevation 3,900 meters. May, 1955.

231182. C.O. 2547. 'Kello Toncco'. From Iminapi, near Sorata, Department of La Paz, Bolivia. May, 1955.

231183. C.O. 2548. 'Alcca Toncco'. From Iminapi, near Sorata, Department of La Paz, Bolivia.

231184. C.O. 2546. 'Janko Toncco'. From Callapani, near Tiquina, Lake Titicaca, Department of La Paz, Bolivia.

231185. From Huancavelica, Peru.

231186. From Huancavelica, Peru.

231187. From Junin, Peru.

231188. From Junin, Peru.

231189. 'Tunicata'. From Cochabamba, Bolivia.

231190. From Puno, Peru.

231191. From Puno, Peru.

231192. From Ancash, Peru.

231193. From Ancash, Peru.

231194 and 231195. ORYZA GLABERRIMA Steud. Poaceae. Rice.

From French West Africa. Seeds presented by the Rice Research Center of Koba, par Ouassou, French Guinea. Received Jan. 31, 1956.

231194. 'Ekassa'. White grains. Growing season 136 days.

231195. 'Fata'. Red grains. Growing season 145 days.

231196 to 231198.

From India. Seeds presented by D. Raghava Reddy Penegalura, Cuddapah. Received Feb. 1, 1956.

231196. SACCOPE TALUM TOMENTOSUM Hook. f. & Thom. Annonaceae.

231197. SANTALUM ALBUM L. Santalaceae.

Sandalwood.

231198. ZIZYPHUS XYLOPYRUS (Retz.) Willd. Rhamnaceae.

231199 to 231205. COFFEA CANEPHORA Pierre ex Froehn. Rubiaceae.
Coffee.

From the Belgian Congo. Seeds presented by the Division du Cafeier et du Cacaoyer a l'NEAC, Yangambi. Received Feb. 2, 1956.

231199. L 36.

231203. L 215.

231200. L 48.

231204. L 251.

231201. L 93.

231205. SA 158.

231202. L 147.

231206. ORMOSIA sp. Fabaceae.

From Jamaica. Seeds presented by the Science Museum, Institute of Jamaica, Kingston. Received Feb. 2, 1956.

231207 to 231211. BRASSICA OLERACEA var. **BOTRYTIS** L. Brassicaceae.
Cauliflower.

From Italy. Seeds presented by the American Embassy, Rome. Received Feb. 3, 1956.

231207. 'Precoce di Iesi'. White.

231208. 'Precoce di Toscana'. White.

231209. Purple variety.

231210. 'Romano'. Broccoli.

231211. 'Tardivo di Napoli'. White.

231212. RAUVOLFIA VOMITORIA Afzel. Apocynaceae. **Devilpepper.**

From the Belgian Congo. Seeds presented by Refa Popkabaka, Leopoldville. Received Feb. 6, 1956.

231213 and 231214. MUSA ACUMINATA Colla Musaceae. **Banana.**

From Honduras. Plants presented by the Standard Fruit Company, La Ceiba. Received Feb. 6, 1956.

231213. 'Giant Cavendish'.

231214. 'Gros Michel'.

231215. COFFEA EXCELSA Cheval. Rubiaceae. **Congo coffee.**

From Malaya. Seeds presented by the Department of Agriculture, Federation of Malaya, Kuala Lumpur. Received Feb. 6, 1956.

231216. RIBES SANGUINEUM f. **ATROUBENS** (Loud.) Rehder
Grossulariaceae. **Winter currant.**

From France. Plants presented by Grandes Roseraies du Val de Loire, Orleans, Loiret. Received Feb. 7, 1956.

231217. VITIPHoenix sessilifolia Burret Phoenicaceae. **Palm.**

From Cuba. Seeds held at the United States Plant Introduction Station, Coconut Grove, Fla. Numbered Feb. 7, 1956.

From the Atkins Garden, Cienfuegos. Native to the Fiji Islands.

231218 and 231219. CITRUS RETICULATA Blanco Rutaceae.
Mandarin orange.

From Egypt. Seeds presented by the Ministry of Agriculture, Orman. Received Feb. 7, 1956.

231218. No. 1.

231219. No. 2.

231220 to 231226. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Costa Rica. Cuttings presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Feb. 7, 1956.

231220. No. 221.

231224. No. 668.

231221. No. 613.

231225. No. 676.

231222. No. 650.

231226. No. 677.

231223. No. 667.

231227 and 231228. ZEA MAYS L. Poaceae. Corn.

From Canada. Seeds presented by the Montreal Botanical Garden, Montreal. Received Feb. 8, 1956.

231227. 'Dwarf Gaspé'. Collected from Alfred Cyr's residence "Maria", Bonaventure, eastern Quebec. September, 1953.

231228. 'Dwarf Gaspé'. Collected from Mr. Landry's residence "Nouvel West", Bonaventure, eastern Quebec. September, 1953.

231229 and 231230. CITRUS SINENSIS (L.) Osbeck Rutaceae. Sweet orange.

From Sicily. Seeds presented by Stazione Sperimentale de Agricoltura, Acireale. Received Feb. 8, 1956.

231229. 'Belladonna'. Collected at Leonforte.

231230. 'Biondo Comune'. Collected at Acireale.

231231. CAMELLIA RETICULATA Lindl. Theaceae. Netvein camellia.

From Portugal. Plant presented by Alfredo Moreira da Silva & Filhos, Porto. Received Feb. 9, 1956.

'Robert Fortune'.

231232. ANTHYLLIS VULNERARIA L. Fabaceae. Kidneyvetch.

From France. Seeds presented by Vilmorin-Andrieux, Paris. Received Feb. 9, 1956.

231233. MELILOTUS MESSANENSIS (L.) All. Fabaceae. Sweetclover.

From Tunisia. Seeds presented by the Experimental Ecole Supérieure d'Agriculture, Tunis. Received Feb. 9, 1956.

231234. OMPHALEA TRIANDRA L. Euphorbiaceae.

From the British West Indies. Seeds presented by the American Consulate, Kingston, Jamaica. Received Feb. 10, 1956.

Cultivated.

231235. CASSIA RETICULATA Willd. Caesalpiniaceae. Senna.

From the British West Indies. Seeds presented by the Imperial College of Tropical Agriculture, Port of Spain, Trinidad. Received Feb. 10, 1956.

Grows very rapidly and produces a good early shade.

231236. CAMELLIA sp. Theaceae.

From Portugal. Plant presented by Alfredo Moreira da Silva & Filhos, Porto. Received Feb. 10, 1956.

'D. Herzilia Freitas Magalhaes'.

231237. RAUVOLFIA VOMITORIA Afzel. Apocynaceae. Devilpepper.

From the Belgian Congo. Seeds presented by Refa Popkabaka, Leopoldville. Received Feb. 10, 1956.

231238 to 231241.

From Morocco. Seeds presented by the Institut des Fruits et Agrumes Coloniaux, Ifacolo-Rabat. Received Feb. 13, 1956.

Collected at Station Centrala des Cultures Fruitieres Tropicales, Kindia (French Guinea), French West Africa.

231238 and 231239. *AEGLOPSIS CHEVALIERI* Swingle Rutaceae.

231238. Small fruited.

231239. Large fruited.

231240. *CITROPSIS SCHWEINFURTHII* (Engler) Swingle & M. Kellerman Rutaceae.

231241. *SWINGLEA GLUTINOSA* (Blanco) Merrill Rutaceae.

231242 to 231248. *ARTOCARPUS COMMUNIS* Forst. Moraceae.**Breadfruit.**

From Tahiti. Cuttings presented by the Station de Pirae, Papeete. Received Feb. 14, 1956.

231242. 'Heuro'.

231246. 'Ruahe'.

231243. 'Paea'.

231247. 'Vaiotae'.

231244. 'Puero'.

231248. 'Vaka Tenua'.

231245. 'Rare'.

231249 to 231254.

From Great Britain. Plants presented by R. C. Noteutt, Ltd., Woodbridge, Suffolk, England. Received Feb. 14, 1956.

231249. *CORNUS ALBA* var. *SIBIRICA* Loddiges Cornaceae.

Dogwood.

'Westonbir'.

231250. *FRAXINUS OXYCARPA* Willd. Oleaceae.

Ash.

'Raywood'.

231251. *MAHONIA PINNATA* (Lag.) Fedde Berberidaceae.

231252. *MALUS* (hybrid). Malaceae.

Apple.

'Neville Copeman'.

231253. *SARCOCOCCA SALIGNA* (D. Don) Muell.-Arg. Buxaceae.

231254. *VIBURNUM PLICATUM* var. *MARIESII* (Veitch) Rehd. Caprifoliaceae.

231255. *RAUVOLFIA VIRIDIS* R. & S. Apocynaceae. **Devilpepper.**

From Cuba. Seeds presented by the Estacion Experimental Agronomica, Santiago de Las Vegas. Received Feb. 15, 1956.

231256. *CYPERUS ESCULENTUS* L. Cyperaceae.**Chufa.**

From Morocco. Tubers presented by Service de l'Horticulture, Rabat. Received Feb. 15, 1956.

231257. *LYCOPERSICON CHEESMANII* Riley Solanaceae.

From the United. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Feb. 15, 1956.

From the Agricultural Experiment Station, Davis, Calif.

231258 to 231271. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Puerto Rico. Seeds presented by the Agricultural Experiment Station, University of Puerto Rico, Rio Piedras. Received Feb. 15, 1956.

- | | |
|--------------------------|------------------------|
| 231258. 'Blue Mountain'. | 231265. 'Pache'. |
| 231259. 'Brazil'. | 231266. 'Puerto Rico'. |
| 231260. 'Guadalupe'. | 231267. 'San Ramon'. |
| 231261. 'Kona'. | 231268. 'Sumatra'. |
| 231262. 'Le Roy'. | 231269. 'Surinam'. |
| 231263. 'Manizales'. | 231270. 'Typica'. |
| 231264. 'Mocha'. | 231271. 'Xanthocarpa'. |

231272 and 231273. MALUS (hybrids). Malaceae. Apple.

From Canada. Scions presented by the Experimental Station, Beaverlodge, Alberta. Received Feb. 15, 1956.

231272. 'Arctic Dawn'.
231273. 'Snowcrop'.

231274 and 231275. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Costa Rica. Seeds presented by the United States Operations Mission, San Jose. Received Feb. 16, 1956.

231274. 'Caturra'.
231275. 'Villalobos Corriente'.

231276 to 231283. ZEA MAYS L. Poaceae. Corn.

From Peru. Seeds presented by A. F. Swanson, La Molina. Received Feb. 16, 1956.

- | | |
|---------------------------|---------------------------|
| 231276. 'Almidon'. | 231280. 'Comun Amarillo'. |
| 231277. 'Blanco Criollo'. | 231281. 'Cuzqueno'. |
| 231278. 'Blanco Cuzco'. | 231282. 'Cuzqueno'. |
| 231279. 'Chini Sara'. | 231283. 'Paro'. |

231284 to 231293.

From Great Britain. Scions presented by the John Innes Horticultural Institution, Bayfordbury, Hertford, Herts, England. Received Feb. 16, 1956.

231284 to 231287. MALUS SYLVESTRIS Mill. Malaceae. Common apple.

- | | |
|--------------------------|-----------------------------|
| 231284. 'Merton Beauty'. | 231286. 'Merton Delight'. |
| 231285. 'Merton Charm'. | 231287. 'Merton Worcester'. |

231288 to 231293. PYRUS (hybrids). Malaceae. Pear.

- | | |
|-------------------------|---------------|
| 231288. 'Fertility 4x'. | 231291. 709. |
| 231289. 'Williams 4x'. | 231292. 3362. |
| 231290. 5x. | 231293. 4016. |

231294 and 231295. MALUS SYLVESTRIS Mill. Malaceae.

Common apple.

From the Netherlands. Scions presented by the Instituut voor Veredeling, Wageningen. Received Feb. 16, 1956.

231294. 'Antonovka Pamtorotaka' (33/2113).
231295. 'Antonovka (Polatora) Funtovaja' (34/2115).

231296 to 231302. ZEA MAYS L. Poaceae. Corn.

From the United States. Seeds held in storage at the Regional Plant Introduction Station, Ames, Iowa. Numbered Feb. 17, 1956.

Originally from Northrup, King and Company, Minneapolis, Minn.

231296. 'Bantam' or 'Golden Evergreen'. Northrup, King's Strain No. 9316 13/64F. A 95 days variety, to 7 feet high with heavy stalks, few suckers and medium dark green foliage; ears 7 to 8 inches long, slightly tapered; kernels in 10 to 14 rows, broad, deep yellow; quality fair. A medium late variety selected from a cross between 'Golden Bantam' and 'Stowell's Evergreen' and recommended for home and market gardens.

231297. 'Early Evergreen'. Northrup, King Strain No. 9313F21. A 96 days variety growing 8 feet high with sturdy stalks, few suckers and medium dark green foliage; ears 8 inches long, cylindrical to tapered; kernels in 14 to 18 rows, deep, ranging from broad to narrow, pearly-white. Similar to 'Stowell's Evergreen' except about 4 days earlier.

231298. 'Howling Mob'. Northrup, King Strain No. 8891F22. An 85 days variety growing 7 feet high with stiff stalks, few suckers and medium dark green foliage; ears to 8 inches long; kernels in 12 to 16 rows, shallow, white; quality fair; ships well. An early variety suitable for home and market gardens.

231299. 'Oregon Evergreen'. Northrup, King Strain No. 900. A 98 days variety growing to 9 feet high, quite similar to 'Stowell's Evergreen'; ears 8 inches long; husk is long and tight, affording earworm tolerance and protection in shipping; kernels in 12 to 14 rows, deeper and wider than 'Narrow Grain Evergreen'. Especially adapted to home and market gardens on our Pacific coast.

231300. 'Whipple's White'. Northrup, King Strain No. 8285F21. An 89 days variety growing 6 feet high, yielding heavy fodder, suckers moderately and bears dark green foliage; vigorous; ears to 7 inches long; kernels in 14 to 18 rows, deep, medium narrow, white, of fair quality. Recommended for home and market gardens.

231301. 'Whipple's Yellow'. Northrup, King Strain No. 8925F22. An 85 days variety growing 6.5 feet high with few suckers, thick stock and medium green foliage; ears 7 inches long, slightly tapered; kernels in 12 to 16 rows, medium deep, wide, yellow, fair to good quality. Vigorous grower tolerant to heat and drought.

231302. 'Golden Giant'. Northrup, King Strain No. 8887F21. An 84 days variety growing to 6 feet high with few suckers and dark green foliage; ears to 8 inches long; kernels in 12 to 16 rows, medium deep and wide, of good quality. A cross between 'Golden Bantam' and 'Howling Mob'. Recommended for the home garden.

231303. PAPAVER RHODEAS L. Papaveraceae. Corn poppy.

From Belgium. Seeds presented by the Ministry of Agriculture, Brussels. Received Feb. 17, 1956.

'Glaucum'.

231304. MALUS (hybrid). Malaceae. Apple.

From Canada.—Cutting presented by F. L. Skinner, Dropmore, Manitoba. Received Feb. 17, 1956.

'Rudolph'.

231305 to 231314. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Chile. Seeds presented by the Rockefeller Foundation, Santiago. Received Feb. 9, 1956.

231305. 'Candeal 5'.	231310. 'Rosello'.
231306. 'Candeal 18'.	231311. 'Timiglia'.
231307. 'Llcafen'.	231312. 76R.
231308. 'Millafen'.	231313. 22 H.
231309. 'Redondo'.	231314. 22 M.

231315. PHALARIS (hybrid). Poaceae. Canarygrass.

From Uruguay. Seeds presented by G. F. Fisher, Estanzuela. Received Feb. 20, 1956.

231316. CORNUS MAS L. Cornaceae. Cornelian-cherry.

From Greece. Seeds collected by Marvin Klemme, Metsovon. Received Feb. 21, 1956.

231317. RAUVOLFIA VOMITORIA Afzel. Apocynaceae. Devilpepper.

From the Belgian Congo. Seeds presented by Refa Popkabaka, Leopoldville. Received Feb. 21, 1956.

231318 to 231321. ARACHIS GLABRATA Benth. Fabaceae. Peanut.

From Argentina. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Feb. 23, 1956.

From the Ministry of Agriculture, Buenos Aires.

231318. No. 13. (B-44496).
231319. No. 13. (B-44497.)
231320. No. 40. (B-44499.)
231321. (No data.)

231322 to 231338.

From India. Seeds presented by the Coffee Research Station, Balehonur, Mysore State. Received Feb. 23, 1956.

231322 to 231336. COFFEA ARABICA L. Rubiaceae.	Arabian coffee.
231322. 'Coorgs'.	231330. B.A. 14.
231323. 'Kents'.	231331. B.A. 16.
231324. 'Old Chik'.	231332. B.A. 21.
231325. B.A. 2.	231333. B.A. 27.
231326. B.A. 3.	231334. B.A. 35.
231327. B.A. 8.	231335. B.A. 36.
231328. B.A. 10.	231336. S. 964
231329. B.A. 13.	

231337. COFFEA BENGALENSIS Roxb.**Coffee.****231338. COFFEA CANEPHORA Pierre ex Froehn.****Coffee.**

S. 274.

231339 to 231342.

From Great Britain. Plants presented by the Keeper's Hill Nursery, Staplehill, Wimborne, Dorset, England. Received Feb. 23, 1956.

231339. *EUONYMUS LANCEIFOLIUS* Loes. Celastraceae.

231340. *EUONYMUS PENDULUS* Wall.

231341. *VIBURNUM CYLINDRICUM* Buch.-Ham. Caprifoliaceae.

231342. *VIBURNUM HARRYANUM* Rehd.

231343 to 231350.

From Great Britain. Scions presented by Hillier & Sons, Winchester, England. Received Feb. 23, 1956.

231343 to 231346. *CYDONIA OBLONGA* Mill. Malaceae. Quince.

231343. 'Bereczeki'. **231345.** 'Pear Shaped'.

231344. 'Mammoth'. **231346.** 'Portugal'.

231347 to 231350. *MESPILUS GERMANICA* L. Malaceae. Medlar.

231347. 'Dutch'. **231349.** 'Nottingham'.

231348. 'Grand Sulton'. **231350.** 'Royal'.

231351 to 231355. *VITIS* (hybrids). Vitaceae. Grape.

From Iran. Cuttings presented by the Agricultural Department, Shiraz. Received Feb. 24, 1956.

231351. 'Askary'.

231352. 'Yaghotti No. 1.' Dark ruby-colored.

231353. 'Yaghotti No. 2.' Dark ruby-colored.

231354. 'Sahebi'. Deep-colored.

231355. 'Sahebi'. Light-colored.

231356. *TRITICUM DURUM* Desf. Poaceae. Durum wheat.

From Syria. Seeds presented by the Agricultural Experiment Station, Fargo, North Dakota. Received Feb. 27, 1956.

Brought to North Dakota 25 years ago by immigrants from Syria.

231357 and 231358.

From Italy. Seeds presented by the Stazione Sperimentale di Granicoltura Per la Sicilia, Catania. Received Feb. 27, 1956.

231357. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

'Russello S.G. 7'. Winter type.

231358. *TRITICUM DURUM* Desf. Durum wheat.

'Timilia S.G. 1'.

231359. *THEOBROMA CACAO* L. Sterculiaceae. Cacao.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agrícolas, Turrialba. Received Feb. 27, 1956.

231360 to 231381. TRITICUM AESTIVUM L. Poaceae. Common wheat

From Italy. Seeds presented by the Instituto di Allevamento Vegetale Per la Cerealicoltura, Bologna. Received Feb. 28, 1956.

- | | |
|------------------------------|------------------------------------|
| 231360. 'Bianchetta'. | 231371. 'Fulvo'. |
| 231361. 'Brottu'. | 231372. 'Funò'. |
| 231362. 'Carosella'. | 231373. 'Gentilrosso Todaro 48'. |
| 231363. 'Civitella'. | 231374. 'Inallettibile Todaro 96'. |
| 231364. 'Cologna Lunga'. | 231375. 'Masolino Todaro 33'. |
| 231365. 'Cologna Todara 12'. | 231376. 'Piave'. |
| 231366. 'Duecentodieci'. | 231377. 'Quattrocoste'. |
| 231367. 'Falcone'. | 231378. 'Rieti Todaro 11'. |
| 231368. 'Fiorello'. | 231379. 'Romanello'. |
| 231369. 'Florìo'. | 231380. 'Saragolla'. |
| 231370. 'Fortunato'. | 231381. 'Solina'. |

231382 to 231388.

From Costa Rica. Collected by Bernice G. Schubert, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Feb. 29, 1956.

Material collected as tubers unless otherwise noted.

231382. DIOSCOREA sp. Dioscoreaceae.

Col. No. 1016. Ravine off road above Las Nubes. Feb. 2, 1956. Tuber to 10 inches across.

231383. DIOSCOREA sp.

Col. No. 1037. Densely wooded slope, Finca Prado, Atenas. Feb. 7, 1956. Tuber slender.

231384. DIOSCOREA sp.

Col. No. 1068. Near Cataract Falls, Hacienda Tenorio, Guanacaste. Feb. 16, 1956. Slender rhizome appressed to rock.

231385. DIOSCOREA sp.

Col. No. 1069. Trail to Cataract Falls, Hacienda Tenorio, Guanacaste. Feb. 16, 1956.

231386. DIOSCOREA sp.

Col. No. 1070. Road to Cataract Falls, Hacienda Tenorio, Guanacaste. Feb. 16, 1956. Vine, to 30 feet long; rhizome small, slender.

231387. DIOSCOREA sp.

Col. No. 1073. Finca La Pacifica (CIBA), outside Las Canas, Guanacaste. Feb. 13, 1956. Same as P.I. 231385 and 231386.

231388. BEGONIA sp. Begoniaceae.

Col. No. 1020. Ravine off road just above Las Nubes. Feb. 2, 1956. Vine in trees; flowers deep pink to white. (Seeds.)

231389. ZOYSIA JAPONICA Steud. Poaceae. Japanese lawngrass.

From Okinawa. Stolons presented by R. R. Hinde, APO 925, San Francisco. Received Feb. 29, 1956.

Strain reported to remain green the year round and used exclusively on golf course greens.

231390 to 231407. RHODODENDRON (hybrids). Ericaceae.

From Great Britain. Plants presented by Sunningdale Nurseries, Windlesham, Surrey, England. Received Feb. 29, 1956.

- | | |
|---------------------------------------|---|
| 231390. 'Adolphe'. | 231399. 'Hugo Koster'. |
| 231391. 'Agatha'. | 231400. 'Joseph Baumann'. |
| 231392. 'Altaclarenses'. | 231401. 'Koster's Deep Red'. |
| 231393. 'Comte de Papadopoli'. | 231402. 'Lemonora'. |
| 231394. 'Comte de Quincey'. | 231403. 'Mrs. L. J. Endtz'. |
| 231395. 'Crimson King'. | 231404. 'Nosegay'. |
| 231396. 'Delicatissima'. | 231405. 'Prince Henry des Pays Bas'. |
| 231397. 'Direkton Moerlands'. | 231406. 'Princess Juliana'. |
| 231398. 'Exquisita'. | 231407. 'Southgate Wonder'. |

231408 to 231410. Cicer arietinum L. Fabaceae. Chickpea.

From Pakistan. Seeds presented by the Agricultural Attache, American Embassy, Karachi. Received Feb. 29, 1956.

- | | |
|-----------------------|----------------------|
| 231408. 218-1. | 231410. Pl.7. |
| 231409. C.55. | |

231411 to 231419. Oryza sativa L. Poaceae. Common rice.

From India. Seeds presented by the Director of Agriculture, Poona. Received Feb. 29, 1956.

- | | |
|---|---------------------------------|
| 231411. 'Ambenior 102'. | 231416. 'Kamod No. 118'. |
| 231412. 'Ambenior 157'. | 231417. 'Kolpi No. 248'. |
| 231413. 'Ambenior 159'. | 231418. 'Patni 6'. |
| 231414. 'Early Sutarsar No. 39'. | 231419. Z-149. |
| 231415. 'Jirasar No. 280'. | |

231420. Vicia graminea J. E. Smith Fabaceae. Vetch.

From Uruguay. Seeds presented by the Facultad de Agronomia, Paysandu. Received Mar. 1, 1956.

231421 to 231423.

From Indonesia. Seeds presented by the Institute for Agricultural Research, Bogor. Received Mar. 2, 1956.

- | | |
|--|------------------------|
| 231421. <i>Oryza latifolia</i> Desv. Poaceae. | Broadleaf rice. |
| G.S. 436. | |
| 231422. <i>Oryza perennis</i> Moench | Rice. |
| G.S. 437. | |
| 231423. <i>Oryza minuta</i> Presl | Rice. |
| G.S. 438. | |

231424 to 231426. Triticum aestivum L. Poaceae. Common wheat.

From Japan. Seeds presented by the Hokkaido National Experimental Station, Kouichi, Tomiyama. Received Mar. 2, 1956.

- | | |
|--|-------------------------------|
| 231424. 'Akasabishirazu No. 1'. | 231426. 'Norin No. 8'. |
| 231425. 'Dawson No. 1'. | |

231427. RHAMNUS sp. Rhamnaceae.

From the United States. Plants presented by the Ilgenfritz Nurseries, Monroe, Michigan. Received Mar. 5, 1956.

Probably from India in 1936, with material collected by Walter Koelz.

231428 to 231439. PISTACIA VERA L. Anacardiaceae.**Common pistache.**

From Iran. Presented by the United States Operations Mission, Tehran. Received Mar. 5, 1956.

231428 to 231433. Scions

231428. 'Ibrahimi'. The nut resembles 'Damghan' in size and splitting.

231429. 'Kandani'. Longer and thinner than 'Damghan'; resembles 'Trabonella' in size and appearance.

231430. 'Safeed'. Elongated like 'Trabonella', free splitting, slightly variable in form.

231431. 'Shasti'. Resembles 'Lassen', smaller, not as good.

231432. 'Wahedi'. From the original Wahedi orchard. Nut plump, splitting, uniform in shape, resembles 'Damghan'.

231433. 'Owhadi No. 1'. Regular bearing variety, blossoms late enough to escape all but the latest frost, ripens mostly at one time, harvest easy. Nuts in large clusters, are of good quality, split well, under favorable conditions from $\frac{3}{4}$ to $\frac{7}{8}$ inches long; hull pinkish with numerous dark or grayish spots.

231434 to 231439. Seeds.

231434. 'Ibrahimi'. Nut resembles 'Damghan' in size and splitting.

231435. 'Khandani'. Longer and thinner than 'Damghan', resembling 'Trabonella' in size and appearance.

231436. 'Owhadi No. 2'. Regular bearing variety, blossoms late enough to escape all but the latest frosts, ripens mostly at one time, harvest easy; nuts in large clusters, good quality, split well, under favorable conditions from $\frac{3}{4}$ to $\frac{7}{8}$ inches long; hulls pinkish with numerous dark or grayish spots, often 1 inch or more in length.

231437. 'Safeed'. Elongated like 'Trabonella', free splitting, slightly variable in form.

231438. 'Shasti'. Resembles 'Lassen', but slightly smaller, not considered as good.

231439. 'Wahedi'. (Large). Came from the original Wahedi orchard. Nuts plump, splitting well, uniform in shape, resembles 'Damghan'.

231440 to 231450.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 5, 1956.

231440 to 231444. DUBOISIA MYOPOROIDES R. Br. Solanaceae.

231440. No. 329-02. Eel Creek, near Gympie, Queensland.

231441. No. 521-1. Nandroya, near Eumundi, Queensland.

231442. No. 866-01. Wilson's Creek Bridge, near Mullumbimby, New South Wales.

231443. No. 888-1. Ourimbah Creek Road, near Gosford, New South Wales.

231444. No. 888-01. Ourimbah Creek Road, near Gosford, New South Wales.

231440 to 231450—Continued**231445 to 231449.** DUBOISIA (hybrids).

(D. myoporoides × leichardtii). Collected at Nambour, Queensland.

231445. No. 4012D-1.**231448.** No. 4064-1.**231446.** No. 4012D-01.**231449.** No. 4129-156.**231447.** No. 4015A-1.**231450.** VICIA GRAMINEA J. E. Smith. Fabaceae.**Vetch.****231451.** LOTUS DOUGLASII Greene Fabaceae.**Trefoil.**

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Mar. 6, 1956.

Collected 1955 near Spokane. Common on dry gravelly soils; very drought resistant.

231452. COFFEA ARABICA L. Rubiaceae.**Arabian coffee.**

From El Salvador. Seeds presented by Finca San Rafael, Santa Ana. Received Mar. 5, 1956.

'Pacas'.

231453. OCHROSIA sp. Apocynaceae.

From New Caledonia. Plants growing at the United States Plant Introduction Garden, Glenn Dale, Md. Numbered Mar. 6, 1956.

Presented by the South Pacific Commission, Noumea, New Caledonia.

231454 and 231455. PRUNUS (hybrids). Amygdalaceae.

From Sweden. Budwood presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received Mar. 6, 1956.

231454. 'Balsgard Pr. 20789'.**231455.** 'Erianne'.**231456.** LATHYRUS CICERA L. Fabaceae.**Flatpod peavine.**

From Iran. Seeds presented by the Agricultural Attache, American Embassy, Tehran. Received Mar. 6, 1956.

231457. ARECASTRUM sp. Phoenicaceae.

From Peru. Seeds presented by Servicio Cooperativo Inter-Americano de Produccion de Alimentos, American Embassy, Lima. Received Mar. 7, 1956.

'Coquito de Panama'.

231458. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From Germany. Scions presented by Christian Fey, Meckenheim bei Bonn, Cologne. Received Mar. 7, 1956.

No. 1556.

231459 to 231462.

From Japan. Seeds presented by the Hyogo Agricultural College, Sasayama, Hyogo. Received Mar. 7, 1956.

231459. AMPHICARPA EDGEWORTHII var. JAPONICA Oliver Fabaceae.**231460 and 231461.** PHASEOLUS ANGULARIS (Willd.) W. F. Wight Fabaceae.**Adzuki bean.****231460.** From Loochoo Island.**231461.** From Kyoto.**231462.** PHASEOLUS sp.

From Loochoo Island.

231463. RAUVOLFIA SERPENTINA Benth. Apocynaceae. Java devilpepper.

From India. Seeds presented by the Agricultural Attache, American Embassy, New Delhi. Received Mar. 7, 1956.

Collected in Dehran Dun, Uttar Pradesh.

231464 to 231466.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique du Congo Belge Experiment Station, Nioka. Received Mar. 8, 1956.

231464. GLYCINE JAVANICA var. CLAESSENSII (DeWild.) Hauman Fabaceae.

231465. GLYCINE SCHLIERENII Harms

231466. GLYCINE sp.

231467. VITIS (hybrid). Vitaceae. Grape.

From Colombia. Cuttings presented by the American Embassy, Bogota. Received Mar. 9, 1956.

Unnumbered variety.

231468 to 231620.

From Italy. Plants presented by the Food and Agriculture Organization of the United Nations, Rome. Numbered Mar. 13, 1956.

Originally from sources indicated.

231468 to 231516. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

231468 and 231469. From Cyrenaica, Libya.

231468. No. 3058. Cyrene.

231469. No. 3076. Toera Pass.

231470 to 231472. From Tripolitania, Libya.

231470. No. 3086. Assaaba.

231471. No. 3092. Homs.

231472. No. 3093. Homs.

231473 to 231490. From Algeria.

231473. No. 3095. Maison-Carree.

231474. No. 3096. Maison-Carree.

231475. No. 3097. Maison-Carree.

231476. No. 3145. Miliana Affreville.

231477. No. 3152. Djebel Doui.

231478. No. 3165. Waf St. Aime.

231479. No. 3168. Zemmora.

231480. No. 3172. Relizane.

231481. No. 3192. Bois de St. Hippolyte, Mascara.

231482. No. 3197. Berthelot.

231483. No. 3215. Oued Chiffa.

231484. No. 3221. North of Medea.

231485. No. 3229. North of Berrouaghia.

231486. No. 3248. East of Bouira.

231487. No. 3252. West of El Ac Hir.

231488. No. 3277. Timgad.

231468 to 231620—Continued

231489. No. 3283. Les Lacs.

231490. No. 3328. Northwest of Bouira.

231491 to 231516. From Morocco.

231491. No. 3343. Eaux et des Forets, Amiznuz.

231492. No. 3354. Talkount Forest House.

231493. No. 3358. Tanaant.

231494. No. 3361. Tizi Bou Tafouk.

231495. No. 3364. Marrakech.

231496. No. 3366. Ouirgane, Haut Atlas.

231497. No. 3369. Igverd.

231498. No. 3371. Tizi N'Test.

231499. No. 3372. Tarou Dannt.

231500. No. 3373. OuAou Fenrha, Anti Atlas.

231501. No. 3375. Igassen.

231502. No. 3376. Souk Tleta-Nihait.

231503. No. 3377. Talate Quamane.

231504. No. 3382. Ain Tiarit.

231505. No. 3386. Taroudannt.

231506. No. 3393. Valley of Oued Zatt.

231507. No. 3399. Village of Taddert.

231508. No. 3401. Forest Nursery, Tifleat.

231509. No. 3404. Touama and Taferiat.

231510. No. 3414. Agaïouar.

231511. No. 3416. Ighezer N'Ait Daoud.

231512. No. 3419. Djebilet.

231513. No. 3427. Mise en defens hills.

231514. No. 3430. Mise en defens.

231515. No. 3431. Mise en defens.

231516. No. 3433. Mise en defens Oualidia.

231517. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby

No. 3435. Region of Midelt, Morocco.

231518. *DACTYLIS GLOMERATA* L.

No. 3444. Ait Hamadi, Morocco.

231519 to 231521. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby
From Morocco.

231519. No. 3453. Ferme Bouanik.

231520. No. 3462. Karia Ben Aouda.

231521. No. 3467. Merdja Bokka.

231522 and 231523. *DACTYLIS GLOMERATA* L.

Orchardgrass.

231522. No. 3474. Skoura and Annoceur, Morocco.

231523. No. 3477. Farm Sidi Mahyo, Morocco.

231468 to 231620—Continued

231524 to 231550. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby

231524. No. 3481. Ifrane.

231525 to 231542. From Portugal.

231525. No. 3508. Village of Pegoes.

231526. No. 3513. Setubal.

231527. No. 3520. Santiago do Cacem.

231528. No. 3525. Sao Bartolomew.

231529. No. 3531. Ferreira and Beringel.

231530. No. 3533. Aljustrel.

231531. No. 3538. Livramento.

231532. No. 3544. Odeleite.

231533. No. 3558. Portal.

231534. No. 3568. Campo Maior.

231535. No. 3576. Village of Portas do Rodao.

231536. No. 3579. Alpedrinha.

231537. No. 3585. Belmonte and Guarda.

231538. No. 3587. Cortico da Serra and Carrapichana.

231539. No. 3594. Penela.

231540. No. 3595. Tomar.

231541. No. 3600. Nazare.

231542. No. 3602. Sao Martinho do Porto.

231543 to 231550, From Greece.

231543. No. 3621. Mandra.

231544. No. 3622. Mazi.

231545. No. 3628. Erythyrae.

231546. No. 3638. Domokos.

231547. No. 3646. Village of Koutsoufiana.

231548. No. 3647. Mt. Mitsikeli.

231549. No. 3664. Yannina.

231550. No. 3674. Agrinion.

231551. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

No. 3679. Instituto Sperimentale Zootechnico di Roma, Tor Mancina, Italy

231552 to 231564. *FESTUCA ARUNDINACEA* Schreb. Poaceae.

Tall fescue.

231552 to 231556. From Algeria.

231552. No. 3117. Kolea.

231553. No. 3201. Ain-el Hadjar.

231554. No. 3220. Medea.

231555. No. 3312. Constantine.

231556. No. 3315. Setif Experiment Station.

231557 to 231562. From Morocco.

231557. No. 3511. Agaouar.

231558. No. 3414. Ait Amar.

231559. No. 3437. Itzer.

231468 to 231620—Continued**231560.** No. 3468. Merdja Bokka.**231561.** No. 3487. Immouzer.**231562.** No. 3495. Ito defense area.**231563 and 231564.** From Portugal.**231563.** No. 3603. Sao Martinho do Porto.**231564.** No. 3611. Mabtouha.**231565 to 231606.** *LOLIUM PERENNE* L. Poaceae.**Perennial ryegrass.****231565 to 231570.** From Cyrenaica, Libya.**231565.** No. 3053. El Baida.**231566.** No. 3062. Cyrene.**231567.** No. 3067. Teknes.**231568.** No. 3068. Teknes.**231569.** No. 3079. Barce.**231570.** No. 3083. Sidi Rahami.**231571 to 231594.** From Algeria.**231571.** No. 3111. Bouzarea.**231572.** No. 3112. Bouzarea.**231573.** No. 3114. Kolea.**231574.** No. 3135. Affreville.**231575.** No. 3140. Affreville.**231576.** No. 3151. Djebel Doui.**231577.** No. 3174. Tiaret.**231578.** No. 3178. Tiaret.**231579.** No. 3179. Palat.**231580.** No. 3191. Zelemta.**231581.** No. 3193. Bois de St. Hippolyte Mascara.**231582.** No. 3200. Ain-el Hadjar.**231583.** No. 3209. Sidi-bel-Abbes.**231584.** No. 3212. Oued Chiffa.**231585.** No. 3223. Medea.**231586.** No. 3228. Berrouaghia.**231587.** No. 3235. Berrouaghia.**231588.** No. 3244. Brazza.**231589.** No. 3257. Bordj Bou Arreridj.**231590.** No. 3275. Lambese.**231591.** No. 3291. Oued Zenati.**231592.** No. 3314. Chateaudun du Rhumel.**231593.** No. 3316. Setif Experiment Station.**231594.** No. 3319. Setif.**231595.** No. 3499. El Hajeb, Morocco.**231596 to 231602.** From Greece.**231596.** No. 3639. Kalambaca and Crevena.

231468 to 231620—Continued

231597. No. 3650. Vryssi Pasha.

231598. No. 3651. Vryssi Pasha.

231599. No. 3652. Kalpaki.

231600. No. 3659. Kerasoyon.

231601. No. 3661. Kalpaki.

231602. No. 3663. Yannina.

231603. No. 3680. Instituto Sperimentale Zootechnico di Roma, Tor Mancina, Italy.

231604. No. 3592. Penela, Portugal.

231605. No. 3598. Batalha, Portugal.

231606. No. 3604. Sao Martinho do Porto, Portugal.

231607 to 231615. DACTYLIS GLOMERATA L. Poaceae.**Orchardgrass.**

From Iran.

231607. No. 3697. Esfahan tow. Arak.

231608. No. 3700. Eskon.

231609. No. 3724. Schanah.

231610. No. 3752. Gorgan.

231611. No. 3754. Gorgan.

231612. No. 3765. Firusku-Abali-Firusku.

231613. No. 3766. Firusku-Abali-Firusku.

231614. No. 3772. Firusku-Abali.

231615. No. 3777. Abe Germ.

231616 to 231620. LOLIUM PERENNE L. Poaceae.**Perennial ryegrass.**

231616 and 231617. From Algeria.

231616. No. 3326. Bouira.

231617. No. 3266. Corneille and Batna.

231618. No. 3624. Mazi, Greece.

231619 and 231620. From Iran.

231619. No. 3711. Shemiran.

231620. No. 3758. Abali-Firusku.

231621. CAMELLIA SASANQUA Thunb. Theaceae.**Sasanqua camellia.**

From Portugal. Plants presented by Alfredo Moreira da Silva & Filhos, Porto.

Received Mar. 13, 1956.

'Jaune'.

231622 to 231659. ORYZA SATIVA L. Poaceae.**Common rice.**

From Japan. Seeds presented by the Faculty of Agriculture, Kyushu University, Fukuoka. Received Mar. 13, 1956.

231622 to 231638. Mutant types.

231622. No. 537. 'Aitoku-kawari No. 1'.

231623. No. 698. 'Banshinrikibyokata'.

231624. No. 531. 'Bonsai-Daikoku'.

231622 to 231659—Continued

- 231625.** No. 568. 'Bunketsuto'.
231626. No. 534. 'Chohei-Daikoku'.
231627. No. 532. 'Daikoku'.
231628. No. 533. 'Daikoku'.
231629. No. 675. 'Heneito'.
231630. No. 696. 'Katsumonbyo'.
231631. No. 551. 'Mansaku-kawari'.
231632. No. 697. 'Momigarebyo'.
231633. No. 535. 'Murasaki-Daikoku'.
231634. No. 621. 'Murasaki-Rokusuke-Kawari'.
231635. No. 543. 'Omachi-kawari'.
231636. No. 556. 'Shinkano' X 'Aikoku'.
231637. No. 540. 'Tankan-shirasasa'.
231638. No. 788. 'Tarebato'.

231639 to 231653. Russian types.

- | | |
|---|--|
| 231639. No. 854. 'Affinis'. | 231647. No. 473. 'Ianthoceros'. |
| 231640. No. 1058. 'Afganica'. | 231648. No. 486. 'Italica'. |
| 231641. No. 450. 'Amaura'. | 231649. No. 479. 'Melanothrix'. |
| 231642. No. 456. 'Caucasica'. | 231650. No. 475. 'Pyrocarpa'. |
| 231643. No. 1047. 'Desvauxii'. | 231651. No. 484. 'Rubra'. |
| 231644. No. 480. 'Dichroa'. | 231652. No. 1050. 'Sundensis'. |
| 231645. No. 1061. 'Dunganica'. | 231653. No. 452. 'Vulgaris'. |
| 231646. No. 464. 'Erythroceros'. | |

231654 to 231659. Hybrids.

- | | |
|--|---------------------------------------|
| 231654. 33-1. F ₂ | 231657. 20-9. TEF ₆ |
| 231655. 38-4. F ₂ | 231658. 43-4. TEF ₆ |
| 231656. 10-10. TEF ₆ | 231659. 48-7. TEF ₆ |

231660 to 231662. VITIS (hybrids). Vitaceae.**Grape.**

From Belgium. Cuttings presented by the Office National des Debouches Agricoles et Horticoles, Brussels. Received Mar. 13, 1956.

- 231660.** 'Leopold'. Spontaneous variation of 'Royal Emile'. A juicy and delicately flavored grape but a poor cropper with considerable variation.
231661. 'Ribier'. Introduced into Belgium in 1936. Ripens midseason.
231662. 'Royal'. Growing in the greenhouses of the Belgium Royal Palace at Laeken. Fruit deep black; about the size as 'Ribier'; heavy cropper.

231663. HORDEUM sp. Poaceae.

From Great Britain. Seeds presented by the National Institute of Agricultural Botany, Cambridge, England. Received Mar. 13, 1956. 'Proctor'.

231664 to 231683. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.

From the Netherlands Cuttings presented by the Institut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received Mar. 13, 1956.

- | | |
|---|---|
| 231664. 'Bigarreau Gros Noir'. | 231674. 'Klein Appeltje'. |
| 231665. 'Bigarreaux Reverchon B'. | 231675. 'Kraaibek'. |
| 231666. 'Blankette'. | 231676. 'Norbury's Early Black'. |
| 231667. 'Bohemian Black'. | 231677. 'Peter van Mansfeld'. |
| 231668. 'Bruine Blanche'. | 231678. 'Planchoury'. |
| 231669. 'Drogan's Gelbe Knorpelkirsche'. | 231679. 'Rondel Heart'. |
| 231670. 'Early Brickenhoges'. | 231680. 'Turkish Black'. |
| 231671. 'Fruehe Franzosische'. | 231681. 'Ursula Rivers'. |
| 231672. 'Gentse'. | 231682. 'Vroege van Werder'. |
| 231673. 'Hooker's Black'. | 231683. 'White Heart'. |

231684. MALUS SYLVESTRIS Mill. Malaceae. Common apple.

From Great Britain. Cuttings presented by L. Maurice Mason, Talbot Manor, Fincham, Kings Lynn, England. Received Mar. 13, 1956.

231685 to 231695. CAMELLIA JAPONICA L. Theaceae.**Common camellia.**

From Japan. Plants growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Mar. 13, 1956.

- | | |
|--------------------------------|------------------------------------|
| 231685. 'Hana Guruma'. | 231691. 'Shiro-botan'. |
| 231686. 'Hasumi-shiro'. | 231692. 'Shiro-byoshi'. |
| 231687. 'Komyotai'. | 231693. 'Tenninmatsuohima'. |
| 231688. 'Minenoyuki'. | 231694. 'Utamakura'. |
| 231689. 'Moshio'. | 231695. 'Yukibotan'. |
| 231690. 'Nakifude'. | |

231696 to 231698.

From Australia. Seeds presented by George H. Hewitt, Bellingen, New South Wales, through E. A. Menninger, Stuart, Florida. Received Mar. 13, 1956.

- | | | |
|--|-----------|----------------------|
| 231696. <i>CALLITRIS ROBUSTA</i> (Parl.) F. M. Bailey | Pinaceae. | Cypress-pine. |
| 231697. <i>CALLITRIS GRACILIS</i> R. T. Baker | | Cypress-pine. |
| 231698. <i>CROTALARIA MITCHELLII</i> Benth. | Fabaceae. | |

231699 to 231701.

From the Union of South Africa. Seeds presented by the Director of Forestry, Pretoria, through E. A. Menninger, Stuart, Florida. Received Mar. 13, 1956.

- | | |
|--|--------------|
| 231699. <i>CUNONIA CAPENSIS</i> L. | Cunoniaceae. |
| 231700. <i>FAUREA MACNAUGHTONII</i> Phillips | Proteaceae. |
| 231701. <i>VIRGILIA OROBROIDES</i> (Berg.) Salter | Fabaceae. |

231702 to 231705.

From Great Britain. Scions presented by W. Fromow & Sons, Windlesham, Surrey, England. Received Mar. 14, 1956.

- | | | |
|---|----------------|-----------------------|
| 231702. <i>ILEX ALTA CLARENSIS</i> Dallim. | Aquifoliaceae. | Holly. |
| 231703. <i>ILEX AQUIFOLIUM</i> L. | | English holly. |
| 'Camelliaefolia'. | | |

231702 to 231705—Continued

- 231704.** ILEX (hybrid). Holly.
 'Scotch Gold'.
231705. ILEX (hybrid). Holly.
 'Waterer's Gold'.

231706 to 231722.

From Alaska. Seeds collected by Etlar L. Nielsen, State Agricultural Experiment Station, Madison, Wis. Received Mar. 14, 1956.

Collected along Richardson Highway, Shaw Creek Bridge, Tanana River Valley, except where otherwise noted.

- 231706 to 231709.** AGROPYRON SUBSECUNDUM (Link) Hitchc. Poaceae.
Bearded wheatgrass.

- | | |
|--------------------------|--|
| 231706. No. A-23. | 231708. No. A-27. |
| 231707. No. A-26. | 231709. No. A-28. Tok Junction. |

- 231710.** AGROPYRON sp.
 No. A-22.

- 231711.** AGROPYRON sp.
 No. A-24.

- 231712 and 231713.** FESTUCA RUBRA L. Poaceae. Red fescue.
 Collected along Sterling Highway.

- 231712.** No. A-20.

- 231713.** No. A-21.

- 231714.** FESTUCA sp.
 No. A-18. Kenai River, Sterling Highway.

- 231715.** FESTUCA sp.
 No. A-25. Tobe Junction.

- 231716.** FESTUCA sp.
 No. A-29. Between Delta River and Summit Lake, near Richardson Highway.

- 231717.** FESTUCA sp.
 No. A-30. Matanuska Experiment Station.

- 231718.** LUPINUS sp. Fabaceae.
 No. A-32. Sterling Highway.

- 231719 to 231721.** POA PRATENSIS L. Poaceae. Kentucky bluegrass.

- 231719.** No. A-2. Sterling Highway.

- 231720.** No. A-3. Wharf, Valdez.

- 231721.** No. A-31. Palmer.

- 231722.** POA sp.
 No. A-1.

231723 to 231726. PRUNUS ARMENIACA L. Amygdalaceae. **Apricot.**

From Great Britain. Scions presented by the National Fruit Trials, Royal Horticultural Society Gardens, Wesley, Ripley, Woking, Surrey, England. Received Mar. 14, 1956.

- | | |
|---------------------------------|------------------------------|
| 231723. 'Chagali No. 1'. | 231725. 'Nari No. 1'. |
|---------------------------------|------------------------------|

- | | |
|---------------------------------|------------------------------|
| 231724. 'Chagali No. 2'. | 231726. 'Nari No. 2'. |
|---------------------------------|------------------------------|

231727 to 231749.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Mar. 15, 1956.

231727. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

Received with *Bromus catharticus* (P.I. 219803) from Chile in 1904.

231728. *DALEA ALOPECUROIDES* Willd. Fabaceae.

Collected near Luton, Iowa.

231729 and 231730. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

From the Hawaiian Experiment Station, Honolulu.

231729. HES 4313.

231730. HES 5300.

231731. *MEDICAGO FALCATA* L. Fabaceae. **Yellow-flowered alfalfa.**

From the Agricultural Experiment Station, Madison, Wis.
Originally from the northern Caucasus.

231732 to 231737. *SETARIA ITALICA* (L.) Beauv. Poaceae. **Foxtail millet.**

Received with *Panicum miliaceum*. From Afghanistan unless otherwise noted.

231732. With P.I. 212108.

231736. From Iran, with P.I. 223391.

231733. With P.I. 212317.

231737. With P.I. 223795.

231734. With P.I. 219931.

231735. With P.I. 220393.

231738 to 231749. *ZEA MAYS* L. Poaceae. **Corn.**

Sweet corn separated from other types of corn. From Turkey unless otherwise noted.

231738. With P.I. 170882.

231745. With P.I. 183739.

231739. With P.I. 177107.

231746. With P.I. 183742.

231740. With P.I. 144589.

231747. With P.I. 185444, from Durham, N.H.

231741. With P.I. 177604.

231748. With P.I. 204812.

231742. With P.I. 177635.

231749. With P.I. 212335, from Afghanistan.

231743. With P.I. 177642.

231744. With P.I. 179127.

231750. *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**

From Sweden. Cuttings presented by Foreningen for Vaxtforadling av Frukt-trad, Balsgard, Fjalkestad. Received Mar. 15, 1956.

'Tallinnan Paarynannera'.

231751 to 231753.

From Great Britain. Seeds presented by the Royal Botanic Gardens, Kew, England. Received Mar. 15, 1956.

231751. *LINUM MONOGYNUM* Forst. f. Linaceae.

Flax.

231752. *LINUM PERENNE* L.

Perennial flax.

231753. *LINUM SALSOLOIDES* Lam.

Flax.

231754. *LINUM AUSTRIACUM* L. Linaceae. **Austrian flax.**

From Great Britain. Seeds presented by the University Botanic Garden, Cambridge, England. Received Mar. 15, 1956.

231755. PINUS GRIFFITHII McClelland Pinaceae. Pine.

From Pakistan. Seeds presented by the United States Operations Mission, Karachi. Received Mar. 15, 1956.

From Gordon College, Rawalpindi.

231756 to 231790.

From the United States. Plants growing at the Regional Plant Introduction Station, Geneva, New York. Numbered Mar. 19, 1956.

Originally collected in meadows by Dr. M. Dunn, University of New Hampshire.

231756 to 231758. BROMUS INERMIS Leyss. Poaceae. Smooth brome grass.

231756. No. 5211. Northumberland.

231757. No. 5212. Northumberland.

231758. No. 5213. Northumberland.

231759 and 231760. BROMUS CILIATUS L. Fringed brome grass.

231759. No. 5214. Coos County.

231760. No. 5215. Coos County.

231761. DACTYLIS GLOMERATA L. Poaceae. Orchard grass.

No. 5216. Jackson.

231762 to 231768. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

231762. No. 5182. Northumberland. **231766.** No. 5186. Greenland.

231763. No. 5183. Greenland. **231767.** No. 5187. Greenland.

231764. No. 5184. Greenland. **231768.** No. 5188. Greenland.

231765. No. 5185. Greenland.

231769 to 231777. PHEUM PRATENSE L. Poaceae. Timothy.

231769. No. 5202. Colebrook. **231775.** No. 5208. Stewartstown Hollow.

231770. No. 5203. East Conway.

231771. No. 5204. East Conway. **231776.** No. 5209. Northumberland.

231772. No. 5205. Coos County. **231777.** No. 5210. Jackson.

231773. No. 5206. Stewartstown Hollow.

231774. No. 5207. Stewartstown Hollow.

231778 to 231783. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

231778. No. 5189. East Conway. **231781.** No. 5192. East Conway.

231779. No. 5190. East Conway. **231782.** No. 5193. East Conway.

231780. No. 5191. East Conway. **231783.** No. 5194. East Conway.

231784 to 231790. TRIFOLIUM REPENS L. White clover.

From East Conway.

231784. No. 5195. **231788.** No. 5199.

231785. No. 5196. **231789.** No. 5200.

231786. No. 5197. **231790.** No. 5201.

231787. No. 5198.

231791 to 231793. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.

From Great Britain. Budwood presented by the John Innes Horticultural Institute, Bayfordbury, Hertford, Herts, England. Received Mar. 16, 1956.

231791. Seedling No. 3/45. (Induced mutant).

231792. Seedling No. 11/45. (Induced mutant).

(‘Emperor Francis’ × ‘Napoleon’—Pollen X-rayed).

231793. Seedling No. 14/46. (Spontaneous mutant).

(Unnamed seedling, selfed, genotype S36).

231794. RIBES SANGUINEUM Pursh Grossulariaceae.

Winter currant.

From Great Britain. Plants presented by R. C. Notcutt Ltd., Nursery, Woodbridge, Suffolk, England. Received Mar. 16, 1956.

‘Pulborough Scarlet’.

231795. PIPTADENIA PEREGRINA (L.) Benth. Mimosaceae.

From Puerto Rico. Seeds presented by the Federal Experiment Station, Mayaguez. Received Mar. 19, 1956.

231796 to 231803.

From Great Britain. Scions presented by Thomas Rivers & Son, Ltd., Sawbridgeworth, Herts, England. Received Mar. 19, 1956.

231796 to 231802. PYRUS COMMUNIS L. Malaceae.

Common pear.

231796. ‘Beurre Superfin’.

231800. ‘Marguerite Marillat’.

231797. ‘Comte de Lamy’.

231801. ‘Santa Claus’.

231798. ‘Conference’.

231802. ‘Thompson’s’.

231799. ‘Doyenne du Comice’.

231803. PRUNUS DOMESTICA L. Amygdalaceae.

Common plum.

‘Denniston’s Superb Gage’.

231804. LINUM LEWISII Pursh Linaceae.

Flax.

From Canada. Seeds presented by the Dominion Arboretum, Ottawa, Ontario. Received Mar. 20, 1956.

231805 and 231806.

From Germany. Budwood presented by the Max Planck Institute für Zuchtforschung, Cologne. Received Mar. 20, 1956.

231805. PRUNUS AVIUM L. Amygdalaceae.

Sweet cherry.

‘Theissing Sammlinge’.

231806. PYRUS COMMUNIS L. Malaceae

Common pear.

‘Normannischen Ciderbirne’.

231807 and 231808. PRUNUS ARMENIACA L. Amygdalaceae.

Apricot.

From Italy. Scions presented by the Federazione Italiana dei Consorzi Agrari, Servizio Piante e Sementi, Rome. Received Mar. 20, 1956.

231807. ‘Don Gaetano’.

231808. ‘Montedora’.

231809 to 231812. PYRUS COMMUNIS L. Malaceae. Common pear.

From France. Scions presented by Delbards, Malicorne par Commeny, Allier.
Received Mar. 20, 1956.

231809. 'Alexandrine Douillard'.

231811. 'Passe Colmar'.

231810. 'Me Ballett Du'.

231812. 'Suerie Rosie'.

231813 to 231820. VITIS (hybrids). Vitaceae. Grape.

From Japan. Cuttings presented by the Ministry of Agriculture and Forestry,
Tokyo. Received Mar. 21, 1956.

231813. No. 306. 'Muscat Angel'.

231817. No. 369. 'Red Millenium'.

231814. No. 318. 'Kyoho'.

231818. No. 375. 'Bailey Alicant
A'.

231815. No. 322.

231819. No. 379. 'Neo Muscat'.

231816. No. 330. 'Golden Bailey'.

231820. No. 396. 'Muscat Bailey
A'.

231821. LINUM GRANDIFLORUM Desf. Linaceae. Flowering flax.

From France. Seeds presented by the Botanic Garden, Nantes. Received Mar.
21, 1956.

'Coeruleum'.

231822. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From the Netherlands. Tubers presented by Instituut voor Rassenonderzoek
van Landbouwgewassen, Wageningen. Received Mar. 20, 1956.

'Pimpernel'.

231823. PERSEA AMERICANA Mill. Lauraceae. Avocado.

From the Canary Islands. Scions presented by the Jardin de Aclimatacion de
la Orotava, Puerto de La Cruz, Tenerife. Received Mar. 20, 1956.

'Telde'. (Antillan Race.)

231824 to 231828.

From Great Britain. Seeds presented by the Royal Botanic Garden, Edinburgh,
Scotland. Received Mar. 21, 1956.

231824. LINUM ALTAICUM Ledeb. & Juzeqezuk Linaceae.

Flax.

231825. LINUM EXTRAAXILLARE Kit.

Flax.

231826. LINUM sp.

231827. LINUM MONOGYNUM Forst. f.

Flax.

231828. LINUM PALLESCENS Bunge

Flax.

231829. COFFEA SALVATRIX Swynnerton & Phillipson Rubiaceae. Coffee.

From Tanganyika. Seeds presented by the Coffee Research Station, Lyamungu,
Moshi. Received Mar. 21, 1956.

231830 to 231835.

From the Netherlands. Seeds presented by the Botanic Garden, Leiden. Re-
ceived Mar. 22, 1956.

231830. LINUM PALLASCENS Bunge Linaceae.

Flax.

231831. LINUM PERENNE L.

Perennial flax.

231832. LINUM TENUE Desf.

Flax.

- Common flax.

eries, Ltd., Hailsham.

1708, 1709, 1710, 1711,

nd, Darjeeling. Re-

oliaceae.

oor Rassenonderzoek

- 20, 1956.

Common camellia.

Introduction Station,

231861. 'Moniyi-gari'.

231862. 'Oranda-beni'.

231863. 'Tyō-tidori'.

231864. COFFEA BENGALENSIS Roxb. Rubiaceae. Coffee.

From India. Seeds presented by G. Ghose & Company, Townend, Darjeeling.
Received Mar. 22, 1956.

231865 to 231871.

From the United States. Seeds presented by E. Menninger, Stuart, Florida.
Originally from Bellingen, New South Wales, Australia.

Numbered Mar. 23, 1956.

231865. ACACIA NILOTICA (L.) Willd. Mimosaceae.

231866. ARDISIA POLYCEPHALA Wall. & A. DC. Myrsinaceae.

231867. BAUHINIA PICTA (H.B.K.) DC. Caesalpiniaceae. Mottled bauhinia.

231868. CASSIA EXCELSA Schrad. Caesalpiniaceae.

231869. CASSIA RENIGERA Wall. Senna.

231870. CASSIA SURATTENSIS Burm. f. Senna.

231871. HICKSBEACHIA PINNATIFOLIA F. Muell. Proteaceae.

231872 to 231874. ILEX OPACA Ait. Aquifoliaceae. American Holly.

From the United States. Plants growing at the Regional Plant Introduction
Station, Geneva, New York. Numbered Mar. 23, 1956.

Collected at Sandy Hook, Monmouth County, New Jersey.

231872. No. 24.

231873. No. 25.

231874. No. 26.

231875 to 231879.

From the Netherlands. Plants presented by the Royal Moerheim Nurseries,
Dedemsvaart. Received Mar. 23, 1956.

231875 and 231876. BERBERIS LINEARIFOLIA Phil. Berberidaceae. Barberry.

231875. Two-year graft.

231876. 'Orange King'. Two-year graft.

231877 and 231878. BERBERIS LOLOGENSIS Sandwith Barberry.

231877. 25/35.

231878. 'Highdown'.

231879. MALUS (hybrid). Malaceae. Apple.

'Prof. Sprenger'.

231880. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.

From Iran. Scions presented by David Wardaian, Makhsous, Tehran. Received
Mar. 23, 1956.

'Mashad'.

231881 to 231885. PERSEA AMERICANA Mill. Lauraceae. Avocado.

From the Canary Islands. Scions presented by the Jardin de Aclimatacion de
la Orotava, Puerto de La Cruz, Tenerife. Received Mar. 26, 1956.

231881. 'Ceres'.

231884. 'Precox'.

231882. 'Java'.

231885. 'Rana'.

231883. 'Jema'.

231886 to 231888.

From Belgium. Seeds presented by the Botanic Garden, Brussels. Received Mar. 26, 1956.

231886. *LINUM ANGUSTIFOLIUM* Huds. Linaceae. **Narrowleaf flax.**
 231887. *LINUM GRANDIFLORUM* Desf. **Flowering flax.**
 231888. *LINUM PERENNE* L. **Perennial flax.**

231889. PYRUS COMMUNIS L. Malaceae. Common pear.

From Australia. Scions presented by the Department of Agriculture, Horticultural Branch, Adelaide. Received Mar. 26, 1956.

'Fondante de Charneuse'.

231890 and 231891. TRIFOLIUM AMBIGUUM Bieb. Fabaceae. Kura clover.

From Australia. Seeds presented by the Senior Research Officer, Canberra. Received Mar. 26, 1956.

231890. C.P.I. 6884. Originally from the Botanical Institute, Tiflis, Georgia, Union of Soviet Socialist Republic.
 231891. C.P.I. 9949. Originally from the Botanical Garden, Erevan, Armenia, Union of Soviet Socialist Republic.

231892 to 231921.

From Costa Rica. Seeds presented by the Servicio Tecnico Inter-Americano de Cooperacion Agricola and the Ministry of Agriculture, San Jose. Received Mar. 26, 1956.

231892. *CORCHORUS* sp. Tiliaceae.
 No. 8.
 231893. *CROTALARIA ANAGYROIDES* H.B.K. Fabaceae.
 No. 20.
 231894. *CROTALARIA BREVIFLORA* DC.
 No. 19.
 231895 to 231897. *CROTALARIA INCANA* L.
 231895. No. 26.
 231896. No. 28.
 231897. No. 29.
 231898. *CROTALARIA JUNCEA* L. **Sunn crotalaria.**
 No. 30.
 231899 to 231902. *CROTALARIA MUCRONATA* Desv. **Striped crotalaria.**
 231899. No. 23. 231901. No. 25.
 231900. No. 24. 231902. No. 27.
 231903. *CROTALARIA SALTIANA* Andrews
 No. 21.
 231904. *CROTALARIA VERRUCOSA* L.
 No. 22.
 231905 and 231906. *DESMODIUM BARBATUM* (L.) Benth. Fabaceae. **Tickclover.**
 231905. No. 11.
 231906. No. 16.

231892 to 231921—Continued

- 231907 and 231908.** *DESMODIUM CANUM* (Gmel.) Schinz. & Thell. **Tickclover.**
 231907. No. 17.
 231908. No. 14.
- 231909 and 231910.** *DESMODIUM GYROIDES* DC. **Tickclover.**
 231909. No. 12.
 231910. No. 18B.
- 231911.** *DESMODIUM OVALIFOLIUM* Guill. & Perr. **Tickclover.**
 No. 13.
- 231912.** *DESMODIUM* sp.
 No. 15.
- 231913 and 231914** *INDIGOFEA HIRSUTA* L. Fabaceae. **Hairy indigo.**
 231913. No. 6.
 231914. No. 7.
- 231915.** *SESBANIA BISPINOSA* (Jacq.) W. F. Wight Fabaceae.
 No. 4.
- 231916.** *SESBANIA* sp.
 No. 5.
- 231917.** *STIZOLOBIUM* sp. Fabaceae.
 No. 3.
- 231918.** *TEPHROSIA CANDIDA* DC. Fabaceae.
 No. 9.
- 231919.** *TEPHROSIA* sp.
 No. 1.
- 231920.** *TERAMNUS UNCINATUS* (L.) Swartz Fabaceae.
- 231921.** *TRIFOLIUM REPENS* L. Fabaceae. **Whiteclover.**
 No. 2.
- 231922.** *LINUM CAMPANULATUM* L. Linaceae. **Flax.**
 From France. Seeds presented by the Museum National d'Histoire Naturelle,
 Paris. Received Mar. 26, 1956.
- 231923.** *MALUS* (hybrid). Malaceae. **Apple.**
 From the Netherlands. Cuttings presented by J. Blaauw & Co., Boskoop.
 Received Mar. 27, 1956.
 'Professor Sprenger'.
- 231924 and 231925.**
 From Ireland. Seeds presented by the National Botanical Gardens, Glasnevin,
 Dublin. Received Mar. 27, 1956.
- 231924.** *LINUM HIRSUTUM* L. Linaceae. **Flax.**
- 231925.** *LINUM HYPERICIFOLIUM* Presl **Flax.**

231926 to 231929. HELIANTHUS ANNUUS L. Asteraceae.**Common sunflower.**

From Peru. Seeds presented by the American Embassy, Lima. Received Mar. 27, 1956.

Dwarf type grown for oil.

231926. 'Lambayeque No. 4'. ('Sunrise' $\times$ 953-102-1-1-22-4).

231927. 'Lambayeque No. 50'.

231928. 'Lambayeque No. 91'.

231929. 'Lambayeque No. 316'. ('Sunrise' $\times$ 952-102-1-1-22-4 $\times$ 'Sunrise³').

231930 to 231932.

From Germany. Seeds presented by the Botanic Garden, Munich. Received Mar. 28, 1956.

231930. LINUM JULICUM Hayek Linaceae.

Flax.

231931. LINUM DOLOMITICUM Borb.

Flax.

231932. LINUM THRACICUM (Gris.) Deg.

Flax.**231933 to 231938. ORYZA SATIVA L. Poaceae.****Common rice.**

From Korea. Seeds presented by the Ministry of Agriculture and Forestry. Suwon. Received Mar. 28, 1956.

231933. 'Iljin'.

231936. 'Paltal'.

231934. 'Jokwang'.

231937. 'Poong-ok'.

231935. 'Palkwoing'.

231938. 'Sunseo'.

231939 to 231942. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From Great Britain. Cuttings presented by the East Malling Research Station, Kent, England. Received Mar. 28, 1956.

231939. 'Camuzat'.

231941. 'De Jaune'.

231940. 'Cravert Rouge'.

231942. 'Spatbluehender'.

231943 and 231944. LINUM NERVOSUM Waldst. & Kit. Linaceae.**Flax.**

From Switzerland. Seeds presented by the Botanic Garden, Geneva. Received Mar. 29, 1956.

231943. Harvested in 1954.

231944. Harvested in 1955.

231945 and 231946.

From Belgium. Seeds presented by the Jardin Experimental Auderghem. Received Mar. 29, 1956.

231945. LINUM ALPINUM L. Linaceae.

Flax.

No. 269a.

231946. LINUM FLAVUM L.

Golden flax.

No. 269A.

231947 and 231952.

From Japan. Plants presented by the Kyushu Agricultural Experiment Station, Kurume Fukuoka. Received Mar. 29, 1956.

231947. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae.

Common cryptomeria.

Dwarf form, yellow tipped.

231948. *ILEX CRENATA* Thunb. Aquifoliaceae.

Japanese holly.

Fruit yellow.

231949. *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green Oleaceae.

Variegated form.

231950. *PHOTINIA GLABRA* (Thunb.) Maxim. Malaceae.

231951. *RHODODENDRON KIUSIANUN* Makino Ericaceae.

White form.

231952. *RHODODENDRON OBTUSUM* (Lindl.) Planch.

Hiryu azalea.

231953. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

From Mexico. Seeds presented by Rte. Ing. Andres Villasenor Luque, Tapachula, Chiapas. Received Mar. 30, 1956.

'Pluma Hildalgo'.

231954. *ILEX PARAGUARIENSIS* St. Hil. Aquifoliaceae.

Yerba mate.

From Argentina. Seeds presented by the Ministerio de Agricultura y Ganaderia, Buenos Aires. Received Mar. 30, 1956.

'SD 56-27'. Grown in the Province of Corrientes.

231955. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

From Switzerland. Budwood presented by Ambrosetti S. A., Chiasso.

Received Mar. 30, 1956.

'Amarena Di Pescara'.

231956 to 231963.

From Costa Rica. Tubers collected by Bernice G. Schubert, Plant Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Mar. 30, 1956.

231956. *DIOSCOREA* sp. Dioscoreaceae.

Col. No. 1138. Forest road near river, Los Diamantes. Mar., 1956. Vine twining on tree, base discoid, at surface of soil.

231957. *DIOSCOREA* sp.

Col. No. 1159. Edge of forest, Palmar. Mar. 5, 1956. Young plants with dark green cordate leaves; tubers slim, pencil-like, 2 to 3 inches below soil surface.

231958. *DIOSCOREA* sp.

Col. No. 1160. Edge of forest, Palmar. Mar. 5, 1956. Young plant with only one rhizome at surface of ground, circular, branched.

231959. *DIOSCOREA* sp.

Col. No. 1193. Forest trail, Golfito. Mar. 7, 1956. Leaves twining, chlorotic; tubers pencil-like.

231956 to 231963—Continued**231960. DIOSCOREA sp.**

Col. No. 1194. Forest road, Golfito. Mar. 7, 1956. Vine with mottled leaves; tubers pencil-like.

231961. DIOSCOREA sp.

Col. No. 1195. Forest trail, Golfito. Mar. 7, 1956. Leaves solid green; tubers slender.

231962. DIOSCOREA sp.

Col. No. 1124. On road-cut above San Vito de Java. Mar. 15, 1956. Stems pubescent; tubers to 7 inches long, 2 inches in diameter; flesh white.

231963. DIOSCOREA REMOTA Morton**Yam.**

Col. No. 1241. Forest road beyond Laguna, San Vito de Java. Mar. 16, 1956. Tubers to 10 inches below surface, discoid, with roots around edge.

231964. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From Great Britain. Scions presented by the East Malling Research Station, Maidstone, Kent, England. Received Apr. 2, 1956.
'Bramley's Seedling M127'.

231965 and 231966.

From Norway. Budwood presented by Prof. Bjerne Ljones, Agricultural College of Norway, Vollebekk. Received Apr. 2, 1956.

231965. PRUNUS AVIUM L. Amygdalaceae.**Sweet cherry.**

'Holmabaer'.

231966. PRUNUS CERASUS L.**Sour cherry.**

'Minister Podbrelsky'.

231967 to 231970.

From Great Britain. Plants presented by George Jackman & Sons, Woking, Surrey, England. Received Apr. 2, 1956.

231967. BERBERIS GAGNEPAINII C. Schneid. Berberidaceae.**Black barberry.**

'Fern Spray'.

231968. BERBERIS × STENOPHYLLA Lindl.**Rosemary barberry.****231969. BERBERIS THUNBERGII DC.****Japanese barberry.**

'Vermillion'.

231970. PYRACANTHA sp. Malaceae.

'Knaphill Buttercup'.

231971 to 231980.

From the Netherlands. Cuttings presented by the Instituut voor Bosbouwkundig Onderzoek, Wageningen. Received Apr. 2, 1956.

231971. POPULUS × ROBUSTA Schneid. Salicaceae.**Poplar.****231972. POPULUS × GELRICA Houtzag.****Poplar.****231973. POPULUS MANITOBENSIS Dode.****Poplar.****231974. POPULUS × CANADENSIS var. MARILANDICA (Poir.) Rehd.****Poplar.****231975. POPULUS × CANADENSIS var. REGENERATA (Henry) Rehd.****Poplar.**

'Neeroctaren'.

231976 and 231977. POPULUS × ROBUSTA Schneid.**Poplar.**

231976. Typical form.

231977. 'Zeeland'.

231971 to 231980—Continued

231978 and 231979. *POPULUS* × *CANADENSIS* var. *SEROTINA* (Hartig.) Rehd.
Poplar.

231978. Typical form.

231979. 'Erecta'.

231980. *POPULUS* × *VERNIRUBENS* A. Henry Poplar.

231981 to 232002.

From Great Britain. Scions presented by H. G. Hillier & Sons, Winchester, England. Received Apr. 2, 1956.

231981 and 231982. *ABIES CONCOLOR* (Gord.) Hoopes Pinaceae. White fir.

231981. 'Compacta'.

231982. 'Wattezii'.

231983. *ABIES DELAVAYI* Franch. Fir.

231984. *ABIES FABRI* (Mast.) Craib Fir.

231985. *ABIES FAXONIANA* Rehd. & Wils. Fir.

231986. *ABIES FORRESTII* Craib Fir.

231987. *ABIES GEORGEI* Orr. Fir.

231988. *ABIES KAWAKAMII* Hayata Fir.

231989 and 231990. *ABIES PINDROW* Royle Fir.

231989. Typical form.

231990. 'Brevifolia'.

231991. *ABIES SPECTABILIS* (D. Don) Spach Himalayan fir.

231992. *ABIES SQUAMATA* Masters Fir.

231993. *ABIES SUTCHUENENSIS* (Franch.) Rehd. & Wils. Fir.

231994. *ACER CAUDATUM* var. *UKURUNDUENSE* (Trautv. & Meyer) Rehd.
Aceraceae Maple.

231995. *ACER LOBELII* Ten. Maple.

231996. *CEDRUS LIBANII* A. Rich. Pinaceae. Cedar-of-Lebanon.

'Comte de Dijon'.

231997. *FRAXINUS EXCELSIOR* L. Oleaceae. European ash.

'Aureo-pendula'.

231998 and 231999. *LABURNUM ANAGYROIDES* Medic Fabaceae. Goldenchain.

231998. 'Autumnale'.

231999. 'Quercifolium'.

232000. *MAHONIA AQUIFOLIUM* (Pursh) Nutt. Berberidaceae. Oregongrape.

'Moseri'.

232001. *MALUS* (hybrid). Malaceae. Apples.

'Mammoth Crab'.

232002. *POPULUS TREMULA* L. Salicaceae. European aspen.

'Pendula'.

232003. *LALLEMENTIA IBERICA* (Bieb.) Fisch. & Mey. Menthaceae.

From Iran. Seeds planted at the Regional Plant Introduction Station, Pullman, Wash. Numbered Apr. 3, 1956.

Presented by R. H. Thrall, Jr., Lethridge, Alberta, Canada. Plant annual; native to Asia Minor; cultivated in Iran since ancient times for edible oil.

232004. WITHANIA COAGULANS Dun. Solanaceae.

From Pakistan. Seeds presented by the Agricultural Research Station, Tarnab Farm, Peshawar. Received Apr. 3, 1956.

232005. CITRUS sp. Rutaceae.

From Egypt. Seeds presented by the Ministry of Agriculture, Orman. Received Apr. 3, 1956.

232006. MALUS (hybrid). Malaceae.

Apple.

From Germany. Plants presented by W. Kordes Sohne, Sparrieshoof Uber Elmshorn, Holstein. Received Apr. 4, 1956.

'Striped Beauty'.

232007 to 232011.

From Japan. Seeds presented by the Botanical Garden of Osaka, Kitakawachi, Osaka. Received Apr. 5, 1956.

232007. ALBIZZIA JULIBRISSIN Durazz. Mimosaceae.

Silktree.

232008. BETULA ERMANNI Champ. Betulaceae.

Birch.

232009. EUONYMUS JAPONICUS L. f. Celastraceae. Evergreen burning bush.

232010. PINUS sp. Pinaceae.

232011. RHODODENDRON JAPONICUM (Gray) Schneid. Ericaceae.

Japanese azalea.

232012 to 232035.

From Israel. Bulbs presented by the Hebrew University, Jerusalem. Received Apr. 5, 1956.

Collected from the Botanic Garden, Institute of National Sciences, Tel-Aviv, unless otherwise indicated.

232012 and 232013. ALLIUM AMPELOPRASUM L. Liliaceae.

232012. No. 8.

232013. No. 30. From near Ma'avar, Hagedad.

232014. ALLIUM ARTEMISIETORUM Eig & Feinbr.

No. 27. North of Sede, Boger.

232015. ALLIUM ASCHERSONIANUM Barbey

No. 22. Fifteen km. south of Beersheba.

232016. ALLIUM ASCLEPIADEUM Bornm.

No. 6.

232017 to 232019. ALLIUM CHLORANTHUM Boiss.

232017. No. 2.

232018. No. 7.

232019. No. 36.

232020. ALLIUM COPPOLERI Tineo.

No. 35.

232021 and 232022. ALLIUM CURTUM Boiss. & Gaill.

232021. No. 33.

232022. No. 34.

232023. ALLIUM DESCENDENS L.

No. 37. Plant nearly 9 dm. high; leaves fistulous; flowers in dense, globose head; color deep purple.

232012 to 232035—Continued**232024.** *ALLIUM ERDELI* Zucc.

No. 24. Fifteen km. north of Sede, Boger.

232025 and 232026. *ALLIUM HIRSUTUM* Zucc.**232025.** No. 9. Between Mevo Beiter and Eitanim.**232026.** No. 32. West slopes of Mount Carmel.**232027.** *ALLIUM MODESTUM* Boiss.

No. 25. Fifteen km. north of Sede, Boger.

232028. *ALLIUM NEAPOLITANUM* Cirillo.

No. 5. Along road west of Mount Carmel.

232029. *ALLIUM ORIENTALE* Boiss.

No. 26. Between Faluja and Shoovah-Batha.

232030. *ALLIUM ROTHII* Zucc.

No. 23. Fifteen km. north of Sede, Boger.

232031. *ALLIUM SCHUBERTII* Zucc.

No. 4.

232032. *ALLIUM TEL-AVIVENSE* Eig.

No. 29. Along highway, just south of Qadima.

232033. *ALLIUM* sp.

No. 28. High plateau north of Raman.

232034. *IRIS SISYRINCHIUM* L. Iridaceae.**Moraea iris.**

No. 1. Vicinity of Jerusalem.

232035. *ORNITHOGALUM* sp. Liliaceae.

No. 3.

232036 to 232064. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**From Peru. Tubers presented by the Estacion Experimental, La Molina, Lima.
Received Apr. 6, 1956.**232036.** No. E-1.**232051.** No. E-16.**232037.** No. E-2.**232052.** No. E-17.**232038.** No. E-3.**232053.** No. E-18.**232039.** No. E-4.**232054.** No. E-19.**232040.** No. E-5.**232055.** No. E-20.**232041.** No. E-6.**232056.** No. E-21.**232042.** No. E-7.**232057.** No. E-22.**232043.** No. E-8.**232058.** No. E-23.**232044.** No. E-9.**232059.** No. E-24.**232045.** No. E-10.**232060.** No. DGV 1002.**232046.** No. E-11.**232061.** No. DGV 1003.**232047.** No. E-12.**232062.** No. DGV 1005.**232048.** No. E-13.**232063.** No. DGV 1006.**232049.** No. E-14.**232064.** No. DGV 1014.**232050.** No. E-15.

232065 to 232067.

From Costa Rica. Seeds collected by Bernice G. Schubert, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Apr. 6, 1956.

232065. *BEGONIA GLABRA* Aubl. Begoniaceae.

Col. No. 1268. Forest beyond Laguna, San Vito de Java. Mar. 16, 1956. Leaves large; twining around tree.

232066. *BEGONIA CONVALLARIODORA* C. DC.

Col. No. 1221. Along slope below club, San Vito de Java. Mar. 15, 1956. Succulent vine; flowers white, abundant.

232067. *JATROPHA PODAGRICA* Hook. Euphorbiaceae.

Col. No. 1217. Grounds of Golf Club, Golfito. Mar. 8, 1956. Ornamental; to 5 feet high; flowers orange.

232068 to 232079.

From the Union of South Africa. Seeds presented by the Department of Agriculture, Pretoria, Transvaal. Received Apr. 6, 1956.

232068 and 232069. *ALLIUM CEPA* L. Liliaceae.

Onion.

232068. 'Copper King'.

232069. 'Hojem'.

232070. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae.

Cauliflower.

232071. *BRASSICA OLERACEA* var. *CAPITATA* L.

Cabbage.

232072. *CUCURBITA PEPO* L. Cucurbitaceae.

Pumpkin.

Fruits 3.5 inches in diameter.

232073. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

'Cape Market'.

232074 to 232076. *PHASEOLUS VULGARIS* L. Fabaceae.

Common bean.

232074. 'Canfreezer Runner'.

232075. 'Green Savage Runner'.

232076. 'Long Tom'.

232077. *PHYSALIS PERUVIANA* L. Solanaceae.

Peruvian groundcherry.

232078 and 232079. *SOLANUM MELONGENA* L. Solanaceae.

Eggplant.

232078. 'Kopek'.

232079. 'Mofale'.

232080 to 232083.

From Cuba. Seeds presented by Ramon Pomes, Palma Soriano, Oriente. Received Apr. 9, 1956.

232080 and 232081. *HYPARRHENIA RUFA* (Nees) Stapf Poaceae.

Jaragua.

232080. 'Faragua'.

232081. 'Yerba Faragua'.

232082 and 232083. *PANICUM MAXIMUM* Jacq. Poaceae.

Guineagrass.

232082. 'Yerba de Guinea'.

232083. 'Yerbon'.

232084 to 232088.

From Israel. Seeds presented by the United States Operations Mission, Tel Aviv. Received Apr. 9, 1956.

232084. *ATRIplex HALIMUS* L. Chenopodiaceae.

Mediterranean saltbush.

232084 to 232088—Continued

232085. *CERATONIA SILIQUA* L. Caesalpiniaceae. Carob.
 232086. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae. Ricegrass.
 232087. *ORYZOPSIS HOLCIFORMIS* (Bieb.) Hack. Ricegrass.
 232088. *PHALARIS AQUATICA* L. Poaceae. Large canarygrass.

232089 to 232096. VITIS (hybrids). Vitaceae. Grape.

From France. Cuttings presented by the Ecole Nationale d'Agriculture de Montpellier, Montpellier, Hérault. Received Apr. 9, 1956.

232089. 'Rupestris a de Serres'. 232093. 'Rupestris Metallique'.
 232090. 'Rupestris a Pousses Violette'. 232094. 'Rupestris Mission'.
 232091. 'Rupestris de Forthworth'. 232095. 'Rupestris Tyran'.
 232092. 'Rupestris Ganzin'. 232096. 'Rupestris Violet'.

232097 to 232114.

From Germany. Seeds presented by the Staatliche Lehr- und Versuchsanstalt für Grünlandwirtschaft und Futterbau, Hersfeld. Received Apr. 9, 1956.

- 232097 and 232098. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
 232097. 'Oberdielbacher'.
 232098. 'Oberhaunstadter'.
 232099 and 232100. *LOTUS PEDUNCULATUS* Cav. Trefoil.
 232099. 'Brauns Weihestephaner'.
 232100. 'NFH'.

- 232101 to 232108. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
 232101. 'Arnolds Rotklee'. 232105. 'Oberdielbacher Rotklee'.
 232102. 'Karntner Rotklee 1'. 232106. 'Oberhaunstadter Rotklee'.
 232103. 'Karntner Rotklee 2'. 232107. 'Schwarzwälder Rotklee'.
 232104. 'Lembkes Rotklee'. 232108. 'Steinacher Rotklee'.

- 232109 to 232113. *TRIFOLIUM REPENS* L. Whiteclover.
 232109. 'Chiemgauer Weissklee'. 232112. 'Schleswig-Holsteiner Weissklee'.
 232110. 'Eifeler Weissklee'. 232113. 'Steinacher Weissklee'.
 232111. 'N.F.G. Gigant'.

232114. *TRIFOLIUM PRATENSE* L. Red clover.
 'Württembergischer Rotklee'.

232115 to 232628.

From the United States. Forage and ornamental plants collected by F. J. Hermann and B. M. Leese, Plant Introduction Section, Beltsville, Md.

Collections made July, August and September, 1955, in Arizona, California, Colorado, Idaho, Montana, Nevada, Oregon, Utah, Washington and Wyoming.

- 232115 and 232116. *AGROPYRON DASYSTACHYUM* (Hook.) Scribn. Poaceae.
 Thickspike wheatgrass.

232115. No. 103. Along stream, Lamoille Canyon, Elko County, Nevada. Elevation 7,000 feet. Plants few, 3 feet high; heavy seeder.

232116. No. 337. Nine miles north of Augusta, Route 33, Teton County, Montana. One clump collection; isolated.

232115 to 232628—Continued

232117. AGROPYRON LATIGLUME (Scribn. & Sm.) Rydb. **Wheatgrass.**

No. 153. Meadow in lodgepole pine, middle fork of Sheeps Creek, road to Spirit Lake (Ashley National Forest), Daggett County, Utah. Elevation 9,000 feet. Plants to 12 inches high.

232118. AGROPYRON RIPARIUM Scribn. & Sm. **Streambank wheatgrass.**

No. 340. Scattered on shallow clay soil 9 miles north of Augusta, Route 33 Teton County, Montana. Plants to 3 feet high; spikes 2.5 inches long.

232119 to 232122. AGROPYRON SMITHII Rydb. **Bluestem wheatgrass.**

232119. No. 311. North Pacific railroad right-of-way, 2 miles northwest of Bozeman, Route 191, Gallatin County, Montana. Plants to 1.5 feet high; spikes 2 inches long; glumes typical.

232120. No. 312. Scattered along Route 10 north, 2 miles southeast of Winston, Broadwater County, Montana. Elevation 4,900 feet. Plants robust; 2.5 feet high; spikes 2 inches long; poor seeder.

232121. No. 336. Scattered on shallow clay 9 miles north of Augusta, Route 33, Teton County, Montana. Plants to 2 feet high; spikes 5 inches long.

232122. No. 461. Open field 1.5 miles east of Anaconda, road across the Continental Divide to Wisdom, Deer Lodge County, Montana. Elevation 4,000 feet. Plants to 1 foot high; active; abundant.

232123 to 232140. AGROPYRON SPICATUM (Pursh) Scribn. & Sm. **Bluebunch wheatgrass.**

232123 to 232126. Step-toe Butte, Whitman County, Washington.

232123. No. 66. Isolated plant on eastern slope, leaves broad; heads 5 inches long; heavy seeder.

232124. No. 67. Isolated clump; spikes to 8 inches long, slender.

232125. No. 68. Elevation 3,600 feet. Isolated clump on rocky bank, 3 feet high; leaves narrow, pilose, curled.

232126. Elevation 3,600 feet. Isolated clump, 3 feet high; awns short; very heavy seeder.

232127. No. 82. Volcanic ridge, Cold Springs Lookout Road, 4.5 miles below South Fork, Cows Creek, Idaho County, Idaho. Elevation 4,000 feet.

232128. No. 85. Slope 0.4 mile off Route 95, Seven Devils Road, Idaho County, Idaho. Fertile clump.

232129. No. 104. Dry hillside, Lamoille Canyon, Elko County, Nevada. Elevation 7,000 feet. Clumps, 3 feet high; most sterile; associated with sagebrush and balsam roots.

232130. No. 118. Dry exposed slope, Lamoille Canyon, Elko County, Nevada. Plants scattered, to 1 foot high; depauperate.

232131. No. 122. Dry, rocky granitic, western slope, Humboldt Range, below Angel Lake, 12.5 miles south of Wells, Elko County, Nevada.

232132. No. 139. Near Snow Basin, Ogden Mountain, off Route 39, Wheeler Springs, Weber Creek, Utah. Plant to 3 feet high; spikes 5 inches long; heavy seeder.

232133. No. 155. Steep rocky slope, Hunslinger, 3 miles south of Summit Springs Ranger Station (Ashley National Forest), Daggett County, Utah. Elevation 8,500 feet.

232134. No. 236. Camping ground, Half Moon Lake, Wind River Mountain, Sublette County, Wyoming. Elevation 8,000 feet.

232115 to 232628—Continued

232135. No. 248. Dry aspen slope east of Half Moon Lake, Wind River Mountain, Sublette County, Wyoming. Elevation 8,000 feet. Glaucous plant with narrow spikes; awn divergent.

232136. No. 249. Half Moon Lake, Wind River Mountain, Sublette County, Wyoming. Elevation 8,000 feet. Multiformity; spikes thick; non-glaucous.

232137. No. 302. Open lodgepole pine woods, 1 mile north of Warm River, Route 191 (Targhee National Forest), Fremont County, Idaho. Plants to 5 feet high; variation in awns, compressed to divergent; spikes to 5 inches long.

232138. No. 306. Open lodgepole pine woods, 9 miles south of West Yellowstone, Route 191, Gallatin County, Montana.

232139. No. 361. Trail east of Mount Alyna and northeast of Swiftcurrent Lake, Appekunny Mountain (Glacier National Park), Glacier County, Montana.

232140. No. 379. Along trail to Grinnell Glacier, Grinnell Mountain (Glacier National Park), Glacier County, Montana. Elevation 7,500 feet. Very fertile grass.

232141 to 232151. AGROPYRON SUBSECUNDUM (Link) Hitchc.**Bearded wheatgrass.**

232141. No. 105. Aspen grove along stream, Lamoille Canyon, Elko County, Nevada. Elevation 7,000 feet. Plants to 3 feet high; heavy seeder.

232142. No. 106. By spring in Aspen grove, Lamoille Canyon, Elko County, Nevada. Plants to 3 feet high; not typical.

232143. Rocky, dry, exposed slope, Lamoille Canyon, Elko County, Nevada. Plants to 1 foot high.

232144. No. 131. Road to Snow Basin, turn-off at Route 39, Weber County, Utah. Plants to 3 feet high; spikes to 4 inches long; awns long; abundant.

232145. No. 229. Under large lodgepole pine along banks of Green River Lake, Wind River Mountains (Bridger National Forest), Sublette County, Wyoming. Elevation 9,000 feet. Plants to 1.5 feet high; awns long; abundant.

232146. No. 232. Green River Lake, Wind River Mountains (Bridger National Forest), Sublette County, Wyoming. Plant robust.

232147. No. 233. Grassy slope northwest of Green River Lake, Wind River Mountain (Bridger National Forest), Sublette County, Wyoming. Elevation 9,000 feet. Plant to 2.5 feet high; spikes to 6 inches long.

232148. No. 237. Thicket on north shore, Half Moon Lake, Wind River Mountain, Sublette County, Wyoming. Elevation 8,000 feet. Awns long.

232149. No. 250. East of Half Moon Lake, Wind River Mountain, Sublette County, Wyoming. Plant with ascending awns; spikes thick.

232150. No. 264. Seven miles northwest of South Pass City, Pine Creek, Fremont County, Wyoming. Plants to 2.5 feet high, typical.

232151. No. 341. Along road in shallow clay, 9 miles north of Augusta, Route 33, Teton County, Montana. Plants few, to 2 feet high; spikes thin; awns long.

232115 to 232628—Continued

232152 to 232185. AGROPYRON TRACHYCAULUM (Link) Malte.

Slender wheatgrass.

232152. No. 23. Along shore, Lake Tahoe, Placer County, California. Plants abundant.
232153. No. 32. Meadow 4 miles west of Portola, Plumas County, California. Elevation 4,850 feet. Plants robust.
232154. No. 37. Scattered 3 miles south of Fort Klamath, Fort Creek Motel, Route 62, Klamath County, Oregon. Elevation 5,500 feet. Plants to 3 feet high.
232155. No. 100. Edge of draw in rabbit-brush meadow, Route 11 between Elko and Tuscarora, Elko County, Nevada. Elevation 7,000 feet. Plants to 4 feet high, scattered.
232156. No. 117. Dry exposed slope, Lamoille Canyon, Elko County, Nevada. Elevation 7,000 feet. Plants to 13 inches high; depauperate.
232157. No. 120. Marshy meadow, east side Humboldt Range, 3 miles southwest of Boaz, road from Wells, Elko County, Nevada. Plants to 3 feet high, stand dense; good seeders.
232158. No. 125. Above Trappist Monastery, top of Wasatch Range, near Huntsville, Utah, Route 39. Elevation 8,500 feet. Plant associated with balsam roots; spikes 5 inches long, glabrous.
232159. No. 128. Above Trappist Monastery, Wasatch Range, near Huntsville, Weber County, Utah. Plants abundant.
232160. No. 132. Road to Snow Basin near Huntsville, Weber County, Utah. Plants to 3.5 feet high, drouth resistant; spikes to 6 inches long.
232161. No. 143. Ranger's pasture, Manila, Daggett County, Utah. One clump, 4 feet high; spikes to 8 inches long; leaves high on stem, broad.
232162. No. 145. Sheeps Creek Canyon (Ashley National Forest), between Manila and Vernal, Daggett County, Utah. Plants non-stoloniferous, abundant.
232163. No. 146. Sandy hillside, Death Valley Canyon, 1 mile north of Tower Rock (Ashley National Forest), Daggett County, Utah. Elevation 8,000 feet. Plants to 4 feet high; spikes to 7 inches long; leaves up to spike.
232164. No. 158. Yellow pine grove east of Elk Creek and west of Little Elk Creek (Ashley National Forest), Daggett County, Utah. Foliage abundant; spikes to 6 inches long.
232165. No. 169. Ten miles west of Trappers Lake, Route 132, White River Valley, Rio Blanco County, Colorado. Plants to 3 feet high.
232166. No. 173. Grassy slope, Trappers Lake, Garfield County, Colorado. Plants to 2 feet high.
232167. No. 178. Scattered in rocky clearing, surrounded by aspen and Colorado spruce, 20 miles south of Buford on New Castle Road, Garfield County, Colorado. Elevation 8,500 feet. Plants to 1.5 feet high; spikes to 5 inches long.
232168. No. 181. Thirty-two miles north of New Castle, road to Buford, Garfield County, Colorado. Elevation 10,000 feet. Plants to 1.5 feet high, very glaucous.
232169. No. 191. Among shrub oaks and serviceberry, on sandy hillside, 20 miles south of Silt, on the Grand Mesa, Mesa County, Colorado. One plant collection.
232170. No. 198. Mesa Lake, Grand Mesa, Mesa County, Colorado. Robust plant with spike 5 inches long; heavy seeder.

232115 to 232628—Continued

- 232171.** No. 218. Meadow along lodgepole pine woods, Green River Lake, Wind River Mountain (Bridger National Forest), Sublette County, Wyoming. Elevation 9,000 feet. Plants to 3 feet high, abundant; spikes heavy, to 6 inches long.
- 232172.** No. 231. Grassy slope northwest side of Green River Lake (Bridger National Forest), Wind River Mountain, Sublette County, Wyoming. Elevation 9,000 feet. Plants to 3.5 feet high.
- 232173.** No. 238. Thicket, north shore Half Moon Lake, Sublette County, Wyoming. Plants to 4 feet high; awns short; spikes to 6 inches long.
- 232174.** No. 260. Lodgepole pine woods 6 miles northwest of Southpass City along Pine Creek, Fremont County, Wyoming. Elevation 9,180 feet.
- 232175.** No. 281. Dry granitic slope of Fiddler's Lake, 24 miles southwest of Lander, Wind River Range, near the Continental Divide, Fremont County, Wyoming. Elevation 10,000 feet. Plants to 2 feet high; atypical.
- 232176.** No. 284. Near switchback, 11 miles northeast of Fiddler's Lake, Wind River Range, Sink Canyon, Fremont County, Wyoming. Elevation 9,900 feet. Plants to 3.5 feet high; spikes to 8 inches long; foliage outstanding.
- 232177.** No. 286. Twelve and one-half miles southwest of Lander, near Sink Canyon, Wind River Range, Fremont County, Wyoming. Elevation 8,500 feet. Plants to 3.5 feet high, outstanding; spikes to 8 inches long; good seeder.
- 232178.** No. 293. Open aspen-spruce woods, 24 miles northwest of Dubois, along Route 187, Fremont County, Wyoming. Elevation 8,500 feet.
- 232179.** No. 296. Scattered on embankment 38 miles southeast of Moran, Route 387, near Togwotee Pass, Fremont County, Wyoming. Elevation 9,600 feet. Plants to 2.5 feet high; spikes thick; good seeder.
- 232180.** No. 300. Dry meadow bordering pine grove, 70 miles southwest of Moran at Togwotee Pass (1 mile west of County line), Teton County, Wyoming. Elevation 9,540 feet. Plants to 2 feet high; spikes short and stout; rhizomes weak.
- 232181.** No. 314. Stemple Pass (Helena National Forest), Lewis and Clark County, Montana. Elevation 6,320 feet. Clump isolated, 2.5 feet high; spikes to 5 inches long; typical.
- 232182.** No. 322. Bear Gulch, Armstrong's Ranch near Lincoln, Lewis and Clark County, Montana. Elevation 4,900 feet. Plant to 3.5 feet high; spikes long, narrow.
- 232183.** No. 323. Bear Gulch, Armstrong's Ranch near Lincoln, Lewis and Clark County, Montana. Elevation 4,900 feet. Clump; heavy seeder.
- 232184.** No. 472. Sedge meadow 4 miles north of Jackson, Beaverhead County, Montana.
- 232185.** No. 487. Scattered through sedge meadow, Yellowstone National Park, Wyoming. Plants to 1.5 feet high.
- 232186.** *AGROPYRON SUBSECUNDUM* (Link) Hitchc. **Bearded wheatgrass.**
No. 136. Wheeler Spring near Snow Basin on Mount Ogden, Weber County, Utah.
- 232187.** *AGROPYRON* sp.
No. 411. Glacier National Park, Belly River, Glacier County, Montana. Plants to 5 feet high; spikes to 8 inches long.

232115 to 232628—Continued

- 232188 to 232191. ALOPECURUS AEQUALIS** Sobol. Poaceae. **Shortawn foxtail.**
232188. No. 98. Pasture, Route 11, between Elko and Tuscarora, Elko County, Nevada. Elevation 7,000 feet. Plant 1 foot high.
232189. No. 276. Along edge of Fiddler's Lake, 24 miles southwest of Lander (Wind River Range, near the Continental Divide), Fremont County, Wyoming. Elevation 10,000 feet. Plant to 6 inches high; vigorous.
232190. No. 462. Moist open banks of French Creek, 9 miles northeast of Fishtrap, road between Anaconda and Wisdom, Deer Lodge County, Montana. Elevation 5,560 feet. Plants to 6 inches high; scarce.
232191. No. 466. Along moist slope 17 miles west of Wisdom, Route 43 (1 mile west of Big Hole Battlefield), Beaverhead County, Montana. Elevation 7,000 feet. Plants scarce.
- 232192. ALOPECURUS ALPINUS** J. E. Sm. **Alpine foxtail**
- No. 325. Bear Gulch, Armstrong Ranch, Lewis and Clark County, Montana. Elevation 4,900 feet. Plants to 6 feet high; stem stout, glaucous.
- 232193 to 232200. BROMUS ANOMALUS** Rupr. Poaceae. **Nodding brome grass.**
232193. No. 154. Sagebrush pasture 2 miles east of Summit Springs Ranger Station (Ashley National Forest), Daggett County, Utah. Elevation 8,500 feet. Two plants; panicles nodding.
232194. No. 167. Open aspen slope 10 miles west of Trappers Lake, Route 132, White River Valley, Rio Blanco County, Colorado. Plants 2 feet high.
232195. No. 172. Grassy, rocky slope along White River to Trappers Lake, Garfield County, Colorado. Elevation 10,000 feet. Plant to 2 feet high; panicles nodding.
232196. No. 199. Mesa Lake (Grand Mesa), Mesa County, Colorado. Elevation 10,000 feet.
232197. No. 213. Lodgepole pine woods above Lake Green River (Bridger National Forest, Wind River Mountains), Sublette County, Wyoming. Elevation 9,000 feet. Typical.
232198. No. 230. Green River Lake (Bridger National Forest, Wind River Mountains), Sublette County, Wyoming. Elevation 9,000 feet. Plants to 2 feet high. Typical.
232199. No. 265. Lodgepole pine woods, 7 miles northwest of Southpass City, along Pine Creek, Fremont County, Wyoming. Elevation 7,200 feet. Plants to 1.5 feet high.
232200. No. 510. On dry slope Yellowstone National Park, 0.5 mile north of Dunraven Pass, Wyoming. Elevation 8,700 feet. Plant 2 feet high.
- 232201 to 232206. BROMUS CARINATUS** Hook. & Arn. **Mountain brome grass.**
232201. No. 13. Moist spot under redwood trees, Mount Tamalpais, Panoramic Highway, Steep Ravine, Marin County, California.
232202. No. 14. Inverness Park, Sir Francis Drake Boulevard, Inverness Park, Marin County, California.
232203. No. 16. Road to Point Reyes, 4 miles west of Inverness Park, Marin County, California.
232204. No. 31. Arid sagebrush slope, Beckwourth, east side of Beckwourth School, Plumas County, California. Elevation 4,945. Clumps to 3 feet high, scattered.
232205. No. 33. Grassy roadside, Fort Creek Motel, 3 miles south of Fort Klamath, Route 62, Klamath County, Oregon. Elevation 5,500 feet. Plants to 1.5 feet high, abundant.
232206. No. 200. Mesa Lake (Grand Mesa), Mesa County, Colorado. Elevation 10,000 feet. Plant 3 feet high.

232115 to 232628—Continued

232207 to 232216. *BROMUS CILIATUS* L.

Fringed brome grass.

232207. No. 201. Rocky slope above Lost Lake draining into Mesa Lake (Grand Mesa), Mesa County, Colorado. Elevation 10,000 feet. Plant drooping; panicle purplish tinged.

232208. No. 408. Meadow, Glacier National Park, Belly River, Glacier County, Montana. Elevation 4,700 feet.

232209. No. 410. Two miles south of Canadian border, Glacier National Park, Belly River, Glacier County, Montana. Elevation 4,700 feet. Plant robust, 4 feet high.

232210. No. 412. Along stream, Glacier National Park, Belly River, Glacier County, Montana. Elevation 4,800 feet. Plant 2 feet high; spikelets delicate.

232211. No. 426. Shaded habitat, Glacier National Park, Baring Falls, Flathead County, Montana. Elevation 4,500 feet. Plants 1 foot high; spikelets pendulous.

232212. No. 443. One-tenth mile south of Camas Creek, Glacier National Park, North Fork Road, Flathead County, Montana.

232213. No. 444. Along trail to Rogers Lake, Glacier National Park, Camas Creek Valley, Flathead County, Montana.

232214. No. 505. Shore of Yellowstone Lake, Bay Bridge, Yellowstone National Park, Wyoming. Elevation 6,700 feet.

232215. No. 513. Dry slope in lodgepole pine woods, Yellowstone National Park, 3.8 miles west of Tower Junction, road to Mammoth Hot Springs, Wyoming. Plant 1.5 feet high; shade type.

232216. No. 521. Moist slope, Route 12, 1 mile southwest of Beartooth Lake, Park County, Wyoming. Plant 2 feet high; panicles nodding.

232217 and 232218. *BROMUS INERMIS* Leyss.

Smooth brome grass.

232217. No. 133. Arid slope in scrub oak zone, 3.5 miles off Route 39, Snow Basin, Weber County, Utah. Plant 3 feet high; leaves 0.75 inch wide; panicles drooping.

232218. No. 134. Arid slope in scrub oak zone, 3.5 miles off Route 39, Snow Basin, Weber County, Utah. Plants mostly sterile; panicles upright.

232219. *BROMUS LAEVIPIES* Shear

Chinook brome grass.

No. 8. Mat Davis Trail, Mount Tamalpais, Boot Jack Camp, Marin Co., California.

232220 to 232240. *BROMUS MARGINATUS* Nees

Soft brome grass.

232220. No. 21. Gravel bank under pines, Donner Lake, Route 40, Nevada County, California. Elevation 6,000 feet.

232221. No. 22. Along shore of Lake Tahoe, Placer County, California. Early maturing clumps.

232222. No. 24. Lake Tahoe, Route 28, Placer County, California.

232223. No. 41. South entrance Roger River National Forest, Route 62, Klamath County, Oregon.

232224. No. 70. Twelve miles northeast of White Bird, Route 95, Idaho County, Idaho. Spikelets pubescent; may be resistant to smut and ergot.

232225. No. 75. Cold Spring Lookout near Seven Devils Mountain, 12 miles northwest of Riggins, Idaho County, Idaho. Elevation 6,920 feet. Plants 2 feet high; heavy seeder; head characteristics diversified.

232226. No. 87. Along the Little Salmon River, 3 miles south of Pollock, Route 95, Idaho County, Idaho.

232227. No. 90. Pasture along Little Salmon Creek, 6 miles south of Pollock, Idaho County, Idaho. Plant pubescent.

232115 to 232628—Continued

232228. No. 95. Evergreen Forest Camp, 4 miles south of Tamarack, Idaho County, Idaho. Plant pubescent, 5 feet high; leaves 0.75 inch wide.
232229. No. 114. Aspen grove park, Lamoille Canyon, Elko County, Nevada. Plants to 1 foot high; early maturing; five types apparent in area.
232230. No. 127. Trappist Monastery, Wasatch Range, near Huntsville, Utah, Route 39, Weber County, Utah. Single plant, 3 feet high; hairy at base of stem; leaves pilose, 0.75 inch wide at base; heavy seeder.
232231. No. 130. Trappist Monastery, Wasatch Range, near Huntsville, Route 39, Weber County, Utah. Plants to 1.5 feet high; spikes usually in leaf sheath.
232232. No. 170. Aspen grove 10 miles west of Trappers Lake, Route 132, White River Valley, Rio Blanco County, Colorado. Panicles drooping, glabrous.
232233. No. 196. Mesa Lake (Grand Mesa), Mesa County, Colorado. Elevation 10,000 feet. Plant 1.5 feet high; panicles erect, atypical.
232234. No. 291. Sandy embankment on roadside 24 miles northwest of Dubois, Route 187, Fremont County, Wyoming. Elevation 8,000 feet. Plant atypical.
232235. No. 292. Sand embankment along roadside 24 miles northwest of Dubois, Route 187, Fremont County, Wyoming. Elevation 8,500 feet. Plant atypical.
232236. No. 305. Exposed slope 7 miles north of Warm River, Route 191, Fremont County, Idaho.
232237. No. 318. Stemple Pass (Helena National Forest), Lewis and Clark County, Montana. Elevation 6,370 feet. Panicles erect.
232238. No. 319. Stemple Pass (Helena National Forest), Lewis and Clark County, Montana. Elevation 6,370 feet.
232239. No. 327. Bear Gulch, Armstrong Ranch near Lincoln, Lewis and Clark County, Montana. Elevation 4,900 feet. Plants to 5 feet high; spikelets divergent.
232240. No. 504. Grassy ravine in lodgepole pine woods, Yellowstone National Park, Bay Bridge, Wyoming. Elevation 6,700 feet. Plants to 2 feet high.
- 232241 and 232242. *BROMUS PUMPELLIANUS* Scribn. **Bromegrass.**
232241. No. 352. Open aspen woods, 1 mile south of junction 89 and 49, Glacier County, Montana. Plant 2 feet high; spikelets tinged purple; hair on the first nerve.
232242. No. 353. Exposed soil, border of aspen woods, 1 mile south of Junction 89 and 49, Glacier County, Montana.
- 232243 to 232246. *BROMUS VULGARIS* (Hook.) Shear **Columbia bromegrass.**
232243. No. 310. West slope, Battle Ridge Campground, 20 miles northeast of Bozeman, Gallatin County, Montana. Elevation 6,000 feet. Plant 3 feet high; florets small; caryopsis large.
232244. No. 393. Scattered in thicket along Reynolds Creek, Glacier National Park, Glacier County, Montana. Elevation 4,900 feet. Plant 2 feet high.
232245. No. 394. Scattered through fir and spruce woods, Piegan Pass Trail, 0.5 mile above Gunsight Lake, Glacier National Park, Glacier County, Montana. Elevation 4,900 feet. Plant 3 feet high; spikelets fine.
232246. No. 401. Piegan Pass Trail along St. Mary River, Glacier National Park, Glacier County, Montana. Elevation 4,900 feet. Plant 2 feet high; spikelets drooping.

232115 to 232628—Continued

- 232247.** *DANTHONIA CALIFORNICA* Boland. Poaceae. **Oatgrass.**
No. 9. Mat Davis Trail, Boot Jack Camp, Mount Tamalpais, Marin County, California.
- 232248.** *DANTHONIA INTERMEDIA* Vasey **Oatgrass.**
No. 77. Pasture 12 miles northwest of Riggins, near Seven Devils Mountain, Cold Springs Lookout, Idaho County, Idaho. Elevation 6,900 feet. Plant 1 foot high; spikes small, narrow, compact.
- 232249 to 232251.** *ELYMUS CANADENSIS* L. Poaceae. **Canada wildrye.**
232249. No. 307. Eighteen miles south of Cameron, Route 1, Madison County, Montana. Plant 2 feet high; heads drooping.
232250. No. 338. On shallow clay bank 9 miles north of Augusta, Route 33, Teton County, Montana. Plants abundant.
232251. No. 531. Four miles east of Bozeman, Route 10, Gallatin County, Montana. Plant 2 feet high; spikes long.
- 232252 to 232255.** *ELYMUS CINEREUS* Scribn. & Merr. **Wildrye.**
232252. No. 25. Sagebrush plains 1 mile south of Vinton, Route 89, Plumas County, California. Large clump.
232253. No. 27. Front of the Sierra Valley Grange, Vinton, Plumas County, California. Elevation 4,900 feet. Clump isolated, 6 feet high.
232254. No. 64. Arid hillside 20 miles southwest of Toppenish, Route 97, Yakima County, Washington. Clumps large, to 6 feet high; foliage still green.
232255. No. 253. Dry aspen slope above east shore, Half Moon Lake (Wind River Mountains), Sublette County, Wyoming. Typical.
- 232256 to 232280.** *ELYMUS GLAUCUS* Buckl. **Blue wildrye.**
232256. No. 5. Serpentine outcrop, Mat Davis Trail, Boot Jack Camp, Mount Tamalpais, Marin County, California.
232257. No. 6. Serpentine outcrop, Mat Davis Trail, Boot Jack Camp, Mount Tamalpais, Marin County, California.
232258. No. 10. Mat Davis Trail, Boot Jack Camp, Mt. Tamalpais, Marin County, California. Resembles var. *jepsoni*.
232259. No. 11. Under redwoods in ravine, Panoramic Highway, Steep Ravine, Mount Tamalpais, Marin County, California. Plant heavy seeder.
232260. No. 12. Panoramic Highway, Steep Ravine, Mount Tamalpais, Marin County, California. Plants to 5 feet high, very robust; heads large, long; heavy seeder.
232261. No. 20. Grove 6 miles southwest of Colfax, Placer County, California. Heavy seeder.
232262. No. 63. Twenty-two miles southwest of Toppenish along U.S. Route 97, Yakima County, Washington. Plants typical, abundant.
232263. No. 94. Under scattered yellow pines in pasture 6 miles south of Pollock, Little Salmon Creek, Idaho County, Idaho. Elevation 5,000 feet. Plants glabrous.
232264. No. 96. Dry bank of Douglas fir woods, Evergreen Forest Camp, Weiser River, Adams County, Idaho. Clumps to 5 feet high, some sterile.
232265. No. 129. Mountain bald associated with balsam roots, Trappist Monastery, Wasatch Range, near Huntsville, Weber County, Utah. Plants heavy seeders, abundant.
232266. No. 135. Nine miles south of Huntsville, near the top of Mount Ogden, Snow Basin, Weber County, Utah. Abundant.

232115 to 232628—Continued

232267. No. 138. Wheeler Springs, near Snow Basin, Ogden Mountain, Weber County, Utah. Plant 5 feet high, damp soil type.

232268. No. 168. Ten miles west of Trappers Lake, Route 132 (White River Valley), Rio Blanco County, Colorado. Plant 3.5 feet high; awns long; leaves 1 inch wide, well up on stem.

232269. No. 171. Open aspen grove 10 miles west of Trappers Lake, Route 132 (White River Valley), Rio Blanco County, Colorado. Elevation 7,500 feet. Plant to 4 feet high; spikes narrow; awns short.

232270. No. 179. Twenty miles south of Buford, New Castle Road, Garfield County, Colorado. Elevation 8,500 feet. Plant 2 feet high; spikes purple.

232271. No. 193. Aspen grove 5 miles north of Mesa Lake, Route 65 (Grand Mesa), Mesa County, Colorado. Elevation 8,500 feet. Plant 4 feet high; spikes 4 inches long; leaves 1 inch wide, well up on stem.

232272. No. 245. Willow thicket along north shore, Half Moon Lake, (Wind River Mountains), Sublette County, Wyoming. Elevation 8,000 feet. Plant with narrow spikes.

232273. No. 246. Willow thicket along north shore, Half Moon Lake (Wind River Mountains), Sublette County, Wyoming. Plant with broad spikes; typical.

232274. No. 304. Gravelly siding along highway, 2 miles north of Warm River, Route 191, Fremont County, Idaho. Typical.

232275. No. 328. Bear Gulch, Armstrong Ranch near Lincoln, Lewis and Clark County, Montana. Scattered, typical.

232276. No. 397. Glacier National Park, Piegan Pass Trail along Reynolds Creek, Glacier County, Montana. Plants to 5 feet high, abundant; spikelets 4 inches long.

232277. No. 409. Just south of Canadian border, Glacier National Park, Belly River, Glacier County. Plants to 6 feet high.

232278. No. 413. Glacier National Park, Belly River, Glacier County, Montana. Elevation 4,800 feet. Heads robust.

232279. No. 445. Sedge meadows, trail to Rogers Lake, Glacier National Park, Camas Valley, Flathead County, Montana. Plants to 5 feet high; abundant.

232280. No. 508. Dry west slope of Mount Washburne, 0.5 mile north of Dunraven Pass, Yellowstone National Park, Wyoming. Elevation 8,700 feet.

232281. *ELYMUS GLAUCUS* var. *JEPSONI* Davy

Wildrye.

No. 19. Deer Park School, Fairfax, Marin County, California. Plant 5 feet high; heavy seeder.

232282. *ELYMUS INNOVATUS* Beal

Wildrye.

No. 421. Moist open river bank, 3 miles south of Canadian border, Glacier National Park, Belly River, Glacier County, Montana. Plant very pubescent, 2.5 feet high; spikes thick.

232283. *ELYMUS PACIFICUS* Gould

Wildrye.

No. 18. Growing through blacktop, road to Point Reyes, front of the American Telephone Trans-Pacific sending station, Marin County, California. Plant 4 inches high; leaves longer than flowering spikes.

232284 and 232285. *ELYMUS TRITICOIDES* Buckl.

Creeping wildrye.

232284. No. 26. Sierra Valley Grange, Vinton, Plumas County, California.

Plants to 2.5 feet high, abundant; heavy seeder.

232115 to 232628—Continued

- 232285.** No. 102. Three miles west of meadow, foot of Ruby Mountains, road between Elko and Lamoille Canyon, Elko County, Nevada. Plant 4 feet high.
- 232286.** *FESTUCA CALIFORNICA* Vasey Poaceae. **California fescue.**
No. 4. Dry slope, Boot Jack Camp, Mat Davis Trail, Mount Tamalpais, Marin County, California. Plants to 4 feet high; heavy seeder.
- 232287.** *FESTUCA ELATIOR* L. Poaceae. **Meadow fescue.**
No. 92. Three miles south of Pollock, Route 95, Idaho County, Idaho.
- 232288 to 232295.** *FESTUCA IDAHOENSIS* Elmer **Idaho fescue.**
232288. No. 40. Dry, gravel soil, entrance to Rogue River National Forest, Route 62, Klamath County, Oregon.
232289. No. 72. Gravel clearing 12 miles northeast of White Bird, Route 95, Idaho County, Idaho. Elevation 4,500 feet. Isolated clump, 3 feet high; very heavy seeder.
232290. No. 76. Cold Springs Lookout, 12 miles northwest of Riggins near Seven Devils Mountain, Idaho County, Idaho. Elevation 6,900 feet. Plant 3 feet high.
232291. No. 185. Nineteen miles north of New Castle on the Buford Road, Garfield County, Colorado.
232292. No. 224. Meadow among groves of lodgepole pines, Bridger National Forest, Green River Lake, Sublette County, Wyoming. Elevation 9,000 feet. Plants caespitose.
232293. No. 278. Exposed slope above Fiddlers Lake, 20 miles southwest of Lander (Wind River Range), Fremont County, Wyoming. Plants to 12 inches high; leaves thin, glaucous; spikes green or glaucous; very poor seeder.
232294. No. 279. High slope, Fiddlers Lake, 20 miles southwest of Lander (Wind River Range), Fremont County, Wyoming. Elevation 10,000 feet. Plants to 1.5 feet high; spikes and stems purplish; leaves glaucous; good seeder.
232295. No. 516. Dry, rocky, open, lodgepole pine slope, Yellowstone National Park, 9 miles west of Tower Junction, Mammoth Hot Springs Road.
- 232296.** *FESTUCA OVINA* var. *BRACHYPHYLLA* (Schult.) Piper **Fescue.**
No. 148. Among lodgepole and yellow pine, road between South Fork and Middle Fork of Carter Creek (east of Sheep Creek Park, Ashley National Forest), Daggett County, Utah. Elevation 9,000 feet. Plants to 6 inches high.
- 232297.** *FESTUCA SCABRELLA* Torr. **Rough fescue.**
No. 320. Dry lodgepole hillside, Stemple Pass (Helena National Forest), Lewis and Clark County, Montana. Elevation 6,300 feet. Large clumps, to 3.5 feet high.
- 232298.** *FESTUCA SUBULATA* Trin. **Bearded fescue.**
No. 395. Moist flat of spruce and fir trees, Glacier National Park, Piegan National Forest, Glacier County, Montana. Elevation 4,900 feet. Plants to 1.5 feet high; spikelets reflexed.
- 232299 to 232303.** *FESTUCA THURBERI* Vasey. **Fescue.**
232299. No. 166. Open aspen slope, 10 miles west of Trappers Lake (White River Valley), Rio Blanco County, Colorado. Elevation 7,500 feet.
232300. No. 175. Trappers Lake, Garfield County, Colorado. Elevation 10,000 feet. Plants to 3 feet high, abundant.

232115 to 232628—Continued

232301. No. 183. Subalpine meadow, 20 miles north of New Castle, Buford Road, Garfield County, Colorado. Clumps; inflorescence pale.

232302. No. 197. Mesa Lake (Grand Mesa), Mesa County, Colorado. Elevation 10,000 feet. Plant to 3 feet high.

232303. No. 203. Meadow between Lost Lake and Mesa Lake, Mesa County, Colorado. Plants to 5 feet high; inflorescence pale; panicles upright.

232304. *FESTUCA* sp.

No. 225. Steep shore, lodgepole pine, west side of Green River Lake, Bridger National Forest, Sublette County, Wyoming. Plant 3 feet high; leaves 0.75 inch wide.

232305. *HESPEROCHLOA KINGII* (Wats.) Rydb. Poaceae.

No. 285. Open lodgepole grove, 11 miles northeast of Fiddlers Lake, Wind River Range, Sinks Canyon, Fremont County, Wyoming. Elevation 9,900 feet. Large, stout, isolated clumps to 3 feet high; heavy seeder.

232306. *HYSTRIX CALIFORNICA* (Boland.) Ktze. Poaceae. **Bottlebrushgrass.**

No. 15. Four miles past Inverness Park, road to Point Reyes, Marin County, California. Plant robust, to 7 feet high.

232307 to 232309. *MELICA BULBOSA* Geyer. Poaceae.

Melic.

232307. No. 174. Spruce woods below Trappers Lake, Garfield County, Colorado. Plants scarce to 1.5 feet high.

232308. No. 184. Meadow near the ranger reseeding experimental plots, 19 miles north of New Castle, road to Buford, Garfield County, Colorado.

232309. No. 187. Meadow, road to Rifle Mount Park off the Buford-New Castle Road, intersection to Guard Station, Garfield County, Colorado. Plants plentiful, robust.

232310 and 232311. *MELICA SUBULATA* (Griseb.) Scribn.

Melic.

232310. No. 309. Fir woods on dry slope, 20 miles northwest of Bozeman, Battle Ridge Campgrounds, Gallatin County, Montana. Elevation 6,000 feet. Plant 2 feet high; spikelet flowers few.

232311. No. 448. One-half mile northeast of Roger Ranch, Glacier National Park, Camas Creek Valley, Flathead County, Montana.

232312. *ORYZOPSIS ASPERIFOLIA* Michx. Poaceae.

Ricegrass.

No. 441. Under Douglas firs 3 miles west of Rogers Lake, Glacier National Park, Camas Creek Valley, Flathead County, Montana.

232313. *ORYZOPSIS BLOOMERI* (Boland.) Ricker.

Bloomers ricegrass.

No. 251. Camping area, east end of Half Moon Lake (Wind River Mountain), Sublette County, Wyoming. Elevation 8,000 feet. Plant with constricted panicles.

232314 to 232317. *ORYZOPSIS EXIGUA* Thurb.

Little ricegrass.

232314. No. 149. Dry, open, lodgepole pine slope, road between South Fork and Middle Fork, Carter Creek, east of Sheep Creek Park, Daggett County, Utah. Elevation 8,500 feet. Plants to 6 feet high; densely cespitose; heavily grazed.

232315. No. 211. Lodgepole pine woods, Green River Lake (Bridger National Forest, Wind River Mountain), Sublette County, Wyoming.

232316. No. 263. Base of cliff, edge of Lodgepole grove, 6 miles Northwest of Southpass City, Pine Creek (Wind River Range), Fremont County, Wyoming.

232317. No. 277. Lodgepole pine above Fiddlers Lake, 24 miles southwest of Lander, Fremont County, Wyoming. Elevation 10,000 feet. Plants to 1 foot high; robust. (Associated with *Festuca idahoensis*).

232115 to 232628—Continued

232318 to 232344. *ORYZOPSIS HYMENOIDES* (Roem. & Schult.) Ricker
Indian ricegrass.

232318. No. 29. Arid sagebrush slope, Beckwourth, northside of Beckwourth School, Plumas County, California. Heavy seeder.
232319. No. 88. Volcanic soil on desert plain, 26 miles southwest of Rome, Route 95, Malheur County, Oregon.
232320. No. 91. Six miles west of Pacific Time Line, Route 95, Malheur County, Oregon. Plants late maturing, 1.5 feet high (4 inches higher than typical form).
232321. No. 108. Sand dunes, Route 95, 10 miles north of Winnemucca, Humboldt County, Nevada. Plant 1 foot high; seeds light brown.
232322. No. 121. Scattered along road, 33 miles east of Elko, Route 40, Elko County, Nevada. Seeds large, black, shattered.
232323. No. 123. Sagebrush flat between two ranges, 13 miles east of Wells, Elko County, Nevada. Plants to 2 feet high.
232324. No. 124. Higher elevations of Great Salt Lake Desert, 86 miles west of Salt Lake City, Tooele County, Utah.
232325. No. 141. Dry, clay sagebrush slope, 17 miles east of Evanston, Route 30, Uinta County, Wyoming. Elevation 6,000 feet. Densely caespitose.
232326. No. 142. Sagebrush and rabbit-brush plains, west of Green River, Sweetwater County, Wyoming.
232327. No. 147. Sandy hillside, Death Valley Canyon, 1 mile north of Tower Rock (Ashley National Forest), Daggett County, Utah (Associated with *Stipa* spp.).
232328. No. 156. Huslinger Creek, 3 miles south of Summit Springs Ranger Station (Ashley National Forest), Daggett County, Utah. Elevation 8,000 feet.
232329. No. 160. Twenty-five miles east of Rangely, Route 64, Rio Blanco County, Colorado. Small seed type.
232330. No. 161. Twenty-five miles east of Rangely, Route 64, Rio Blanco County, Colorado. Large seed type.
232331. No. 162. Dry sandy mesa above Green River, east of Jensen, Uintah County, Utah. Elevation 5,000 feet. Plants abundant; large seed type.
232332. No. 165. Thirty miles west of Trappers Lake, Route 132, White River Valley, Rio Blanco County, Colorado. Small seed type.
232333. No. 188. Eight miles north of New Castle on Buford Road, Garfield County, Colorado. Small seed type.
232334. No. 204. Colorado National Monument, Cold Shivers Point, 7 miles southwest of Grand Junction, Mesa County, Colorado. Large seed type.
232335. No. 205. Rabbit-brush dry plains, 2 miles west of Woodside, Route 50, Emery County, Utah. Large seed type.
232336. No. 207. Isolated mesa, 7 miles northwest of Woodside, Route 50, Emery County, Utah. Large seed type; seeds light-brown.
232337. No. 208. Seventeen miles northwest of Woodside near Carbon County line, Route 50, Emery County, Utah. Large seed type.
232338. No. 235. Near Pinedale, road to Half Moon Lake, Route 187, Sublette County, Wyoming.
232339. No. 252. Dry slope below aspen grove, Half Moon Lake, Sublette County, Wyoming. Elevation 8,000 feet. Plant typical; seeds large, brown.

232115 to 232628—Continued

- 232340.** No. 256. Dry wash in sagebrush plains, 7 miles north of Farson, Route 187, Sweetwater County, Wyoming. Elevation 6,500 feet. Plant 8 inches high; abundant; seeds black, small.
- 232341.** No. 308. Eighteen miles south of Cameron, Route 1, Madison County, Montana. Plant large; seeds black.
- 232342.** No. 474. Along eroded bank, 30 miles southeast of Jackson, Beaverhead County, Montana. Elevation 7,000 feet. Small seed type; seeds black; heavily grazed by stock.
- 232343.** No. 484. Eroded rhyolite slope, Yellowstone National Park, Norris Basin Road, 1 mile south of Mammoth Hot Springs, Wyoming. Small seed type.
- 232344.** No. 515. Scattered on open, eroded, slope, 8 miles west of Tower Junction, Yellowstone National Park. Seeds large.
- 232345.** *PHLEUM ALPINUM* L. Poaceae. **Alpine timothy.**
No. 528. Tundra, five miles north of Beartooth Lake, Route 12, Park County, Wyoming. Elevation 9,700.
- 232346.** *POA AMPLA* Merr. Poaceae. **Big bluegrass.**
No. 219. Sagebrush meadow along lodgepole pine woods, Green River Lake, Sublette County, Wyoming. Plants to 3 feet high, abundant; heavy seeder.
- 232347.** *POA CANBYI* (Scribn.) Piper **Bluegrass.**
No. 316. Stemple Pass (Helena National Forest), Lewis and Clark County, Montana. Elevation 6,400 feet. Plant 1.5 feet high.
- 232348.** *POA JUNCIFOLIA* Scribn. **Bluegrass.**
No. 221. Sagebrush meadow along lodgepole pine woods, Green River Lake, (Bridger National Forest, Wind River Mountain), Sublette County, Wyoming. Plant 1.5 feet high.
- 232349.** *POA NERVOSA* (Hook.) Vasey **Bluegrass.**
No. 53. Dry pumice hillside, Crater Lake National Park, Vidale Falls, Klamath County, Oregon. Elevation 6,100 feet. Plant to 1.5 feet high.
- 232350.** *POA NEVADENSIS* Vasey ex Scribn. **Nevada bluegrass.**
No. 99. Arid pasture along Route 11, between Elko and Tuscorora, Elko County, Nevada. Elevation 7,000 feet. Plant to 2.5 feet high, dense, pure stand covering several acres.
- 232351.** *POA PALUSTRIS* L. **Bluegrass.**
No. 317. Dry lodgepole pine, Stemple Pass (Helena National Forest), Lewis and Clark County, Montana. Elevation 6,300.
- 232352.** *POA NERVOSA* (Hook.) Vasey **Bluegrass.**
No. 280. Lodgepole pine on dry granite slope, Fiddlers Lake, 24 miles southwest of Lander (Wind River Range near the Continental Divide), Fremont County, Wyoming. Elevation 10,000 feet. Plant 1 foot high; spikes drooping.
- 232353.** *SITANION HYSTRIX* (Nutt.) J. G. Smith Poaceae. **Bottlebrush squirreltail.**
No. 157. Between Elk Creek and Little Elk Creek (Ashley National Forest), Daggett County, Utah. Plant 2 feet high; awns long.
- 232354.** *STIPA CALIFORNICA* Merr. & Davy Poaceae. **Pacific needlegrass.**
No. 58. Crater Lake National Park, front of Ranger Headquarters, Klamath County, Oregon. Elevation 6,400 feet. Plants abundant.

232115 to 232628—Continued

232355 and 232356. *STIPA LEMMONI* (Vasey) Scribn.

Needlegrass.

232355. No. 28. Arid sagebrush slope, west side of Beckwourth School, Beckwourth, Plumas County, California.

232356. No. 45. Exposed rock surface, summit of Mount Hershberger, Douglas County, Oregon. Elevation 6,200 feet. Plants to 8 inches high; leaves narrow; glaucous.

232357. *STIPA OCCIDENTALIS* Thurber.

Western needlegrass.

No. 30. Sagebrush, arid, gravel hill, north side of Beckwourth School, Beckwourth, Plumas County, California. Elevation 5,000 feet.

232358. *STIPA* sp.

No. 52. Crater Lake National Park, Route 62, Cascade Divide, Klamath County, Oregon. Elevation 6,200 feet. Only mature plants in group of 8 to 15 other grasses, Dry, pumice soil.

232359. *TRisetum CANESCENS* Buckl. Poaceae.

No. 447. Glacier National Park, Camas Creek Valley, 0.5 mile northeast of Roger Ranch, Flathead County, Montana.

232360. *CAREX ABRUPTA* Mack. Cyperaceae.

Sedge.

No. 57. Crater Lake National Park, Klamath County, Oregon. In front of Rangers Headquarters. Elevation 6,500 feet.

232361 to 232365. *CAREX AQUATILIS* Wahl.

Water sedge.

232361. No. 367. West shore, along willow thicket, Glacier National Park Swiftcurrent Lake, Glacier County, Montana. Elevation 5,000 feet.

232362. No. 467. One mile up Elk Creek, 23 miles west of Wisdom, Route 43, Beaverhead County, Montana. Plants abundant; heavily grazed.

232363. No. 482. Meadow along Madison River, Yellowstone National Park, Wyoming. Elevation 6,500 feet. Spikes long; heavy seeder.

232364. No. 483. Grassy spruce woods along Madison River, Yellowstone National Park, Wyoming. Elevation 6,500 feet.

232365. No. 526. Tundra 5 miles north of Beartooth Lake, Route 12, Park County, Wyoming. Elevation 9,500 feet.

232366 and 232367. *CAREX ARCTA* Boott

Sedge.

232366. No. 392. East shore of MacDonald Lake, Sprague Creek Campgrounds, Glacier National Park, Flathead County, Montana. Dried swale.

232367. No. 435. Marsh in lodgepole pine woods, 0.1 mile south of Camas Creek, North Fork Road, Flathead County, Glacier National Park, Montana.

232368 to 232370. *CAREX ATHROSTACHYA* Olney

Slenderbeak sedge.

232368. No. 254. Crevice of rocks, east shore of Half Moon Lake, Wind River Mountains, Sublette County, Wyoming. Elevation 8,000 feet.

232369. No. 324. Grazed meadow, Armstrong Ranch, Lincoln, Bear Gulch, Lewis and Clark County, Montana. Elevation 4,890 feet.

232370. No. 464. Marshy depression along river, 16 miles north of Wisdom, Route 43, Big Hole River Bridge, Beaverhead County, Montana. Elevation 5,500 feet. Plants abundant.

232371 and 232372. *CAREX ATRATA* L.

Black sedge.

232371. No. 182. Subalpine meadow, 20 miles north of New Castle, Buford Road, Garfield County, Colorado.

232372. No. 524. Five miles north of Beartooth Lake, Route 12, Park County, Wyoming.

232115 to 232628—Continued

232373 to 232375. *CAREX AUREA* Nutt.

Golden sedge.

232373. No. 247. Dry aspen slope, east end of Half Moon Lake (Wind River Mountain), Sublette County, Wyoming.

232374. No. 365. Between water and willow thicket, west shore Swift-current Lake, Glacier County, Glacier National Park, Montana. Elevation 5,000 feet.

232375. No. 424. Boggy edge of inlet, Belly River, 2.5 miles south of Canadian border, Glacier County, Glacier National Park, Montana. Elevation 4,800 feet.

232376. *CAREX BARBARAE* Dewey

Sedge.

No. 7. Mat Davis Trail, Boot Jack Camp, Mount Tamalpais, Marin County, California.

232377 and 232378. *CAREX BEBBII* Olney

Sedge.

232377. No. 333. Bog in aspen thicket, Bear Gulch near Lincoln, Lewis and Clark County, Montana.

232378. No. 366. Between water and willow thicket, west shore Swift-current Lake, Glacier County, Glacier National Park, Montana. Elevation 5,000 feet.

232379. *CAREX BUXBAUMII* Wahl.

Sedge.

No. 436. North Fork Road, 0.1 mile south of Camas Creek, Flathead County, Glacier National Park, Montana.

232380 to 232383. *CAREX CANESCENS* L.

Sedge.

232380. No. 275. Wet, grassy edge of Fiddlers Lake, 24 miles southwest of Lander (Wind River Range, near Continental Divide), Fremont County, Wyoming. Elevation 10,000 feet.

232381. No. 405. Marsh area along Mary River, below Gunsight Lake, Glacier County, Montana. Elevation 4,800 feet.

232382. No. 457. Hungry Horse Dam, Trail 386, near Hope Creek, Flathead County, Montana.

232383. No. 496. Boggy edge of Isa Lake, Craig Pass (Continental Divide), Wyoming. Elevation 8,300 feet.

232384. *CAREX CAPILLARIS* L.

Sedge.

No. 423. Under low willows, Belly River shore, Glacier County, Glacier National Park, Montana.

232385 to 232387. *CAREX CHIMAPHILA* Holm

Sedge.

232385. No. 520. Rocky wet bank, 1 mile southwest of Beartooth Lake, Route 12, Park County, Wyoming. Elevation 9,000 feet.

232386. No. 525. Tundra 5 miles north of Beartooth Lake, Route 12, Park County, Wyoming. Elevation 9,500 feet. Plants abundant.

232387. No. 527. Tundra 5 miles north of Beartooth Lake, Route 12, Park County, Wyoming. Elevation 9,500 feet. Plants abundant.

232388. *CAREX CUSICKII* Mack.

Sedge.

No. 433. Beaver Pond, end of logging road No. 20, Flathead Ranger Station, Flathead County, Glacier National Park, Montana. Elevation 3,500 feet.

232389. *CAREX DIANDRA* Schrank.

Sedge.

No. 403. Marshy willow thicket, St. Mary River below Gunsight Lake, Glacier County, Glacier National Park, Montana. Elevation 4,800 feet.

232390 to 232394. *CAREX DISPERMA* Dewey

Sedge.

232390. No. 226. Mossy bank of cold streamlet on lodgepole slope west of Green River Lake, Sublette County, Bridger National Forest, Wyoming.

232391. No. 431. Near bridge, Lime Spring, Flathead County, Montana.

232115 to 232628—Continued

- 232392.** No. 450. Boggy streamlet in larch and hemlock woods, west side of Hungry Horse Dam, 5 miles southeast of Hungry Horse, Flathead County, Montana.
- 232393.** No. 456. Hungry Horse Dam, Trail 386 near Hoke Creek, Flathead County, Montana.
- 232394.** No. 506. Log in lodgepole pine woods, Yellowstone National Park, Bay Bridge, Wyoming.
- 232395.** *CAREX DOUGLASHII* Boott. **Douglas sedge.**
No. 241. Gravelly edge of road, Half Moon Lake, Sublette County, Wyoming. Elevation, 8,000 feet. Plants plentiful.
- 232396 and 232397.** *CAREX EASTWOODIANA* Stacey **Sedge.**
232396. No. 283. Dry, grassy, gravelly slope northeast of Fiddlers Lake, 24 miles southwest of Lander (Wind River Range, near the Continental Divide), Fremont County, Wyoming. Elevation 10,000 feet.
232397. No. 497. Dry rocky slope on edge of lodgepole pine woods, 4 miles northwest of West Thumb, Yellowstone National Park. Elevation 8,300 feet.
- 232398.** *CAREX EGGLESTONII* Mack. **Sedge.**
No. 195. North shore of Beaver Lake, Mesa County, Colorado. Elevation 10,000 feet.
- 232399 to 232401.** *CAREX EPAPILLOSA* Mack. **Sedge.**
232399. No. 109. Park at mouth of smaller canyon, Lamoille Canyon, Elko County, Nevada.
232400. No. 152. Meadow in lodgepole pine, Middle Fork of Sheeps Creek, road to Spirit Lake, Ashley National Forest, Daggett County, Utah.
232401. No. 267. Lodgepole pine grove bordering meadow, Fiddlers Lake, 24 miles northwest of Lander, near Continental Divide, Fremont County, Wyoming. Elevation 10,000 feet.
- 232402 and 232403.** *CAREX FLAVIA* L. **Sedge.**
232402. No. 362. Edge of willow thicket, west side of Swiftcurrent Lake, Glacier National Park, Glacier County, Montana. Elevation 5,000 feet.
232403. No. 406. Marshy area bordering willow thicket, St. Mary River, Gunsight Lake, Glacier County, Montana.
- 232404 and 232405.** *CAREX GEYERI* Boott. **Elk sedge.**
232404. No. 83. Dry lodgepole pine slope, Seven Devils Road, 3 miles above Squaw Creek crossing, Idaho County, Idaho. Elevation 6,000 feet. Plant non-cespitose.
232405. No. 159. Beaver pond between Burnt Creek and Cub Creek, Ashley National Forest, Daggett County, Utah.
- 232406 to 232408.** *CAREX HAYDENIANA* Olney. **Sedge.**
232406. No. 151. High ground, Middle Fork of Sheeps Creek, road to Spirit Lake, Daggett County, Utah. Elevation 9,000 feet. Stand dense.
232407. No. 372. Alpine rock slide, Glacier National Park, Grinnell Mountain, trail to Grinnell Glacier, Glacier County, Montana. (Associated with *Juncus drummondii* and *J. mertensianus*.)
232408. No. 378. Trail to Grinnell Glacier, Glacier County, Montana. Elevation 7,500 feet.
- 232409 to 232412.** *CAREX HOODII* Boott. **Sedge.**
232409. No. 34. Grassy roadside, Fort Creek Motel, 3 miles south of Fort Klamath, Route 62, Klamath County, Oregon. Elevation 5,500 feet.

232115 to 232628—Continued

232410. No. 79. Cold Springs Lookout, 12 miles northwest of Riggins near Seven Devils Mountain, Idaho County, Idaho.

232411. No. 348. Grassy lodgepole pine slope, 6 miles east of Two Medicine Lake, Glacier National Park, Glacier County, Montana. Plants abundant.

232412. No. 354. Well-drained soil in aspen woods, 1 mile south of Junction 89, Route 49, Glacier National Park, Glacier County, Montana. Plants grazed.

232413. *CAREX IDAHOA* Bailey.

Sedge.

No. 470. Meadow 4 miles north of Jackson, Beaverhead County, Montana.

232414 to 232416. *CAREX ILLOTA* Bailey.

Sedge.

232414. No. 268. Lodgepole grove bordering meadow, Fiddlers Lake, 24 miles northwest of Lander (Wind River Range, near the Continental Divide), Fremont County, Wyoming. Elevation 10,000 feet.

232415. No. 501. Meadow, 4 miles east of West Thumb, Yellowstone National Park. Elevation 8,300 feet.

232416. No. 523. Tundra 4 miles north of Beartooth Lake, Park County, Wyoming. Elevation 9,500.

232417. *CAREX INOPS* Bailey.

Sedge.

No. 51. Open lodgepole pine grove, Crater Lake National Park, Route 62, Cascade Divide, Klamath County, Oregon. Elevation 6,300 feet.

232418. *CAREX INTERIOR* Bailey.

Inland sedge.

No. 446. Meadow near Rogers Lake, Camas Creek Valley, Flathead County, Glacier National Park, Montana.

232419 to 232421. *CAREX INTERIOR* f. *KEWEENAWENSIS* (Hermann) Fernald.

Sedge.

232419. No. 404. Marshy area bordering willow thicket, St. Mary River, below Gunsight Lake, Glacier National Park, Glacier County, Montana. Elevation 4,800 feet.

232420. No. 420. Edge of streamlet in thicket, Belly River, Glacier National Park, Glacier County, Montana.

232421. No. 451. Boggy edge of streamlet, clearing in larch and hemlock woods, 5 miles southeast of Hungry Horse Dam, Flathead County, Montana.

232422 to 232427. *CAREX KELLOGGII* W. Boott.

Kellogg sedge.

232422. No. 255. Crevice of rocks on the east shore, Half Moon Lake, Wind River Mountains, Sublette County, Wyoming. Elevation 8,000 feet.

232423. No. 368. Willow thicket along west shore of Swiftcurrent Lake, Glacier National Park, Montana. Elevation 5,000 feet.

232424. No. 399. Moist spots along Reynolds Creek, Piegan Pass Trail, Glacier County, Montana. Elevation 4,900 feet.

232425. No. 425. East shore at Sprague Creek campgrounds, Lake MacDonald, Glacier National Park, Flathead County, Montana.

232426. No. 432. Near bridge, Lime Springs, Beaver Road, Glacier National Park, Flathead County, Montana.

232427. No. 493. Yellowstone National Park, Isa Lake, Craig Pass, Continental Divide, Wyoming. Elevation 8,200 feet.

232428 and 232429. *CAREX LAEVICULMIS* Meinsh.

Sedge.

232428. No. 430. Boggy edge of streamlet near Lake MacDonald Hotel, Glacier National Park, Flathead County, Montana. (In *Thuja plicata* woods.) Elevation 3,100 feet.

232115 to 232628—Continued

232429. No. 442. Bank of streamlet in woods, 3 miles west of Rogers Lake, Camas Creek Valley, Glacier National Park, Flathead County, Montana.

232430. *CAREX LANUGINOSA* Michx.

Woolly sedge.

No. 417. Glacier National Park, Belly River, Glacier County, Montana. Elevation 4,800 feet.

232431. *CAREX LASIOCARPA* Ehrh.

Woolfruit sedge.

No. 459. Sphagnum swamp, Douglas fir and yellow pine forest, 1 mile south of South Fork of Logan Creek, 38 miles southeast of Martin City, Flathead County, Montana.

232432. *CAREX LEPORINELLA* Mack.

Sedge.

No. 498. Dry meadow, Yellowstone National Park, 4 miles northwest of West Thumb, Continental Divide, Wyoming. Elevation 8,300 feet.

232433. *CAREX LEPTALEA* Wahl.

Sedge.

No. 449. Boggy streamlet, west side of Hungry Horse Dam, 5 miles wouth-east of Hungry Horse, Flathead County, Montana.

232434 and 232435. *CAREX LEPTOPODA* Mack.

Sedge.

232434. No. 429. Lake MacDonald, Glacier National Park, Flathead County, Montana. Elevation 3,100 feet.

232435. No. 453. Boggy area along stream in larch and hemlock woods, west side of Hungry Horse Dam, 5 miles southeast of Hungry Horse, Flathead County, Montana.

232436. *CAREX LIMNOPHILA* Hermann.

Sedge.

No. 242. Gravelly roadside bordering willows, Half Moon Lake, Wind River Mountains, Sublette County, Wyoming. Elevation 8,000 feet.

232437. *CAREX LIMOSA* L.

Mud sedge.

No. 458. Sphagnum swamp in Douglas fir and white pine woods, Hungry Horse Dam, 1 mile south of South Fork of Logan Creek, 38 miles southeast of Martin City, Flathead County, Montana.

232438 and 232439. *CAREX MEDIA* R. Br.

Sedge.

232438. No. 227. Mossy bank of cold streamlet on lodgepole slope, west of Green River Lake, Bridger National Forest, Sublette County, Wyoming. Elevation 9,000 feet.

232439. No. 519. Mossy bank of streamlet, clearing in Douglas fir and lodgepole pine woods, Route 12, 1 mile southwest of Beartooth Lake, Park County, Wyoming. Elevation 9,000 feet.

232440. *CAREX MENDOCINENSIS* Olney.

Sedge.

No. 3. Wet area, Muir Woods Road, below Boot Jack Camp, Mount Tamalpais, Marin County, California.

232441 and 232442. *CAREX MERTENSII* Prescott.

Sedge.

232441. No. 373. Trail to Grinnell Glacier, Grinnell Mountain, Glacier National Park, Glacier County, Montana. Plant 2 feet high; leaves green; very tender. (Associated with *Rubus* sp.)

232442. No. 454. Dry slope near Emma Creek, 3 miles northwest of West Side Ranger Station, west side of Hungry Horse Dam, Flathead County, Montana. (Associated with *Juncus ensifolius* and *Rubus* sp.)

232443 to 232452. *CAREX MICROPTERA* Mack.

Smaliwing sedge.

232443. No. 107. Subalpine meadow at end of Lamoille Canyon, Elko County, Nevada. Elevation 8,500 feet.

232444. No. 110. Along stream at base of Lamoille Canyon, Elko County, Nevada. Heads grazed by stock.

232115 to 232628—Continued

- 232445.** No. 180. Meadow 32 miles north of New Castle, road to Buford, Garfield County, Colorado. Elevation 10,000 feet.
- 232446.** No. 202. Subalpine meadow, Lost Lake, Grand Mesa, Mesa County, Colorado. Elevation 10,000 feet.
- 232447.** No. 273. Lodgepole pine woods, Fiddlers Lake, 24 miles southwest of Lander, Wind River Range, near Continental Divide, Fremont County, Wyoming. Elevation 10,000 feet.
- 232448.** No. 295. Gravelly embankment, 38 miles southeast of Moran, Route 287, near Togwottee Pass, Fremont County, Wyoming. Elevation 9,600 feet.
- 232449.** No. 396. Moist spruce and fir woods, Trail along Reynolds Creek, Glacier National Park, Glacier County, Montana.
- 232450.** No. 398. Moist spot, Piegan Pass Trail, Glacier National Park, Glacier County, Montana. Plants very heavy seeders.
- 232451.** No. 492. Boggy edge and rocky bank, Isa Lake, Craig Pass (Continental Divide), Wyoming. Elevation 8,300 feet.
- 232452.** No. 522. Gravelly embankment, 1 mile north of Beartooth Lake, Park County, Wyoming. Elevation 9,000 feet.
- 232453 and 232454.** *CAREX NEBRASKENSIS* Dewey. **Nebraska sedge.**
- 232453.** No. 326. Bear Gulch, Armstrong Ranch near Lincoln, Lewis and Clark County, Montana. Elevation 4,900 feet. Heavily grazed.
- 232454.** No. 440. Extensive meadows 3.5 miles off North Fork Road, Camas Creek Valley, Glacier National Park, Flathead County, Montana.
- 232455 and 232456.** *CAREX NEUROPHORA* Mack. **Sedge.**
- 232455.** No. 42. Rich low meadow in Douglas fir woods, Muir River, along Route 230, 11 miles northeast of Union Creek, Douglas County, Oregon. Elevation 6,000 feet.
- 232456.** No. 507. Border of streamlet 0.5 mile north of Dunraven Pass, west slope of Mount Washburn, Yellowstone National Park, Wyoming. Elevation 8,700 feet.
- 232457 and 232458.** *CAREX NIGRICANS* C. A. Mey. **Sedge.**
- 232457.** No. 374. Moist rocky slope, Grinnell Mountain trail to Grinnell Glacier, Glacier County, Montana.
- 232458.** No. 382A. Meadow, eastern slope, Logan Pass on Clements Mountain, Glacier National Park, Glacier County, Montana. Elevation 7,000 feet. Plants abundant.
- 232459 and 232460.** *CAREX PACHYSTACHYA* Cham. **Chamisso sedge.**
- 232459.** No. 36. Three miles south of Fort Klamath at Fort Creek Motel, Route 62, Klamath County, Oregon. Elevation 5,500 feet.
- 232460.** No. 71. Twelve miles northeast of White Bird, Route 95, Idaho County, Idaho.
- 232461.** *CAREX MULTICOSTATA* Mack. **Sedge.**
- No. 78. Cold Springs Lookout, 12 miles northwest of Riggins, near Seven Devils Mountain, Idaho County, Idaho. Almost a pure stand.
- 232462 to 232468.** *CAREX PACHYSTACHYA* Cham. **Chamisso sedge.**
- 232462.** No. 332. Bear Gulch near Lincoln, Lewis and Clark County, Montana. Low, marshy willow area.
- 232463.** No. 363. Along west shore, edge of willow thicket, Swiftcurrent Lake, Glacier National Park, Glacier County, Montana. Elevation 5,000 feet.

232115 to 232628—Continued

- 232464.** No. 376. Moist rocky slope, Grinnell Glacier trail, Grinnell Mountain, Glacier National Park, Glacier County, Montana. Elevation 7,000 feet.
- 232465.** No. 407. Moist area along Reynolds Creek, Piegan Pass Trail, Glacier National Park, Glacier County, Montana. (Associated with *Melica* spp., *Bromus* spp., and *Festuca* spp.)
- 232466.** No. 439. Edge of meadow, North Fork Rd., south of Camas Creek, Glacier National Park, Flathead County, Montana.
- 232467.** No. 452. Boggy area along streamlet in larch and hemlock woods, 5 miles southeast of Hungry Horse, west side of Hungry Horse Dam, Flathead County, Montana.
- 232468.** No. 465. Springy slope 17 miles west of Wisdom, Route 43, Beaverhead County, Montana.
- 232469.** *CAREX PETASTA* Dewey **Sedge.**
No. 334. Bear Gulch near Lincoln, Lewis and Clark County, Montana. Elevation 4,900 feet.
- 232470 and 232471.** *CAREX PHAEOCEPHALA* Piper **Sedge.**
232470. No. 349. Grassy slope, 6 miles east of Two Medicine Lake, Glacier National Park, Glacier County, Montana.
232471. No. 390. Loose rocks, steep eastern slope of moraine, Logan Pass, Clements Mountain (Hanging Gardens), Glacier County, Montana.
- 232472.** *CAREX PODOCARPA* R. Br. **Sedge.**
No. 385. Meadow, eastern slope Logan Pass, Clements Mountain (Hanging Garden), Glacier County, Montana. Elevation 7,000 feet.
- 232473 to 232476.** *CAREX PRAEGRACILIS* W. Boott **Sedge.**
232473. No. 234. Marshy meadow along Green River, 4 miles northwest of Green River Lake, Sublette County, Wyoming. Elevation 9,000 feet.
232474. No. 475. Upper Red Rock Lake, 22 miles northwest of Monida, Beaverhead County, Montana. Elevation 6,700 feet. Plants abundant; cut for hay; ("Nutgrass" famous for "finishing up" cattle at Big Hole).
232475. No. 476. Dry ledge overlooking meadow, Upper Red Rock Lake, 22 miles northwest of Monida, Beaverhead County, Montana. Elevation 6,700 feet. Plants to 2 feet high; heads big; leaves fine; high percentage of fruit per plant.
232476. No. 478. Dry meadow, upper Red Rock Lake, Beaverhead County, Montana. Elevation 6,700 feet. Plants heavy seeders; heads large, long; 95 percent forage.
- 232477.** *CAREX PRATICOLA* var. *SUBCORIACE* Hermann **Sedge.**
No. 220. Meadow along lodgepole pine woods, Green River Lake (Bridger National Forest, Wind River Mountains), Sublette County, Wyoming. Elevation 9,000 feet.
- 232478 to 232481.** *CAREX PRATICOLA* Rydb. **Sedge.**
232478. No. 223. Floor of open lodgepole pine woods, Green River Lake, Sublette County, Wyoming. Elevation 9,000 feet.
232479. No. 503. Steep roadside bank, Yellowstone National Park, Wyoming. Elevation 6,700 feet.
232480. No. 512. Dry, low grassy hill near pond, 38 miles west of Tower Junction, Mammoth Hot Springs Road, Yellowstone National Park, Wyoming.
232481. No. 518. Dry slope, 9.6 miles west of Tower Junction, Mammoth Hot Springs Road, Yellowstone National Park, Wyoming.

232115 to 232628—Continued

232482 and 232483. *CAREX RAYNOLDsii* Dewey Sedge.

232482. No. 186. Meadow, road to Rifle Mountain Park, intersection of Guard Station, Garfield County, Colorado. Plants abundant.

232483. No. 299. Dry meadow bordering pine grove, 20 miles northeast of Moran, Togwotee Pass, 1 mile west of County line, Teton County, Wyoming. Elevation 9,500 feet.

232484. *CAREX ROSSii* Boott Ross sedge.

No. 215. Scattered in lodgepole pine woods, Green River Lake, Sublette County, Wyoming. Elevation 9,000 feet.

232485 and 232486. *CAREX ROSTRATA* Stokes. Beaked sedge.

232485. No. 331. Dried pond in aspen belt, Sauerkraut Creek near Lincoln, Lewis and Clark County, Montana. Elevation 4,900 feet.

232486. No. 479. Along Madison River, Route 20, Yellowstone National Park, Wyoming. Elevation 6,500 feet.

232487. *CAREX SARTWELLii* Dewey. Sedge.

No. 438. Glacier National Park, 0.1 mile south of Camas Creek, North Fork Road, Flathead County, Montana.

232488 to 232490. *CAREX SIMULATA* Mack. Sedge.

232488. No. 460. Marshy roadside ditch, 0.25 mile south of Hall, Route 10A, Granite County, Montana. Elevation 4,000 feet. (Associated with *Agrostis alba*, *Carex nebraskensis*, and *Juncus balticus*.)

232489. No. 471. Low meadow, 4 miles north of Jackson, Beaverhead County, Montana.

232490. No. 477. Meadow, Upper Red Rock Lake, Beaverhead County, Montana. Elevation 6,700 feet.

232491. *CAREX STENOPTILA* Hermann. Sedge.

No. 494. Isa Lake, Craig Pass (Continental Divide), Yellowstone National Park, Wyoming. Elevation 8,200 feet.

232492. *CAREX STIPATA* Muhl. Sedge.

No. 428. Springy roadside embankment bordering *Thuja* woods, near Lake MacDonald Hotel, Glacier National Park, Flathead County, Montana. Elevation 3,100 feet.

232493 and 232494. *CAREX SUBSTRICATA* (Kukenth.) Mack. Sedge.

232493. No. 274. Meadow along Fiddlers Lake, 24 miles southwest of Lander, Wind River Range near the Continental Divide, Fremont County, Wyoming. Elevation 10,000 feet.

232494. No. 402. Marshy edge bordering willow thicket, St. Mary River, below Gunsight Lake, Glacier County, Montana. Elevation 4,800 feet.

232495 to 232501. *CAREX TOLMIEi* Boott. Sedge.

232495. No. 371. Mossy seepage on limestone bluff, Grinnell Mountain trail to Grinnell Glacier, Glacier County, Montana. Elevation 6,500 feet.

232496. No. 377. Moist rocky slope, Grinnell Mountain trail to Grinnell Glacier, Glacier County, Montana. Elevation 7,500 feet.

232497 to 232500. Meadow on eastern slope, Logan Pass, Clements Mountain (Hanging Gardens), Glacier County, Montana. Elevation 7,000 feet.

232497. No. 383. 232499. No. 387.

232498. No. 386. 232500. No. 388.

232501. No. 500. Sedge meadow 4 miles east of West Thumb, Wyoming.

232115 to 232628—Continued

- 232502 and 232503.** *CAREX VESICARIA* L. Blister sedge.
232502. No. 364. Along west shore of Swiftcurrent Lake, Glacier National Park, Glacier County, Montana. Elevation 5,000 feet.
232503. No. 437. Meadow in lodgepole pine woods, 0.1 mile south of Camas Creek, North Fork Road, Glacier National Park, Flathead County, Montana.
- 232504.** *CAREX VIRIDULA* Michx. Green sedge.
 No. 422. Boggy edge of inlet, Belly River, Glacier National Park, Glacier County, Montana. Elevation 4,800 feet. (Associated with *C. aurea*, *C. flava* and *C. capillaris*.)
- 232505.** *CAREX WHITNEYI* Olney. Sedge.
 No. 55. Vidae Falls, Crater Lake National Park, Klamath County, Oregon. Elevation 6,170 feet.
- 232506.** *JUNCUS BALTICUS* var. *MONTANUS* Engelm. Juncaceae. Rush.
 No. 481. Sedge meadow near Madison River, Yellowstone National Park, Wyoming. Elevation 6,500 feet.
- 232507.** *JUNCUS COMPRESSUS* Jacq. Rush.
 No. 469. Wet marshy roadside ditch, 9 miles south of Wisdom, Beaverhead County, Montana.
- 232508 to 232512.** *JUNCUS ENSIFOLIUS* Wikstr. Rush.
232508. No. 44. Edge of shallow ditch bordering woods, 11 miles northeast of Union Creek, Route 230, Douglas County, Oregon. Elevation 6,000 feet.
232509. No. 113. Lamoille Canyon, mouth of a small box canyon, Elko County, Nevada. Heavily grazed.
232510. No. 330. Bear Gulch, Armstrong Ranch near Lincoln, Lewis and Clark County, Montana. Elevation 4,900 feet.
232511. No. 346. Grassy roadside along Two Medicine Lake, Glacier National Park, Route 49, Glacier County, Montana. Plants abundant.
232512. No. 400. Piegian Pass Trail along Reynolds Creek, Glacier National Park, Glacier County, Montana. Elevation 4,900 feet.
- 232513.** *JUNCUS HALLII* Engelm. Rush.
 No. 499. Meadow, 4 miles northwest of West Thumb, Yellowstone National Park, (Continental Divide) Wyoming. Elevation 8,300 feet. Plants abundant.
- 232514.** *JUNCUS LONGISTYLIS* Torr. Rush.
 No. 243. Gravelly roadside bordering willows, Half Moon Lake, Wind River Mountains, Sublette County, Wyoming. Elevation 8,000 feet.
- 232515.** *JUNCUS MERTENSIANUS* Bong. Rush.
 No. 495. Yellowstone National Park, Isa Lake, Craig Pass, Continental Divide. Elevation 8,200 feet.
- 232516.** *JUNCUS NODOSUS* L. Rush.
 No. 434. Logging road No. 20 around Lime Springs Beaver Pond, Ranger Station, Glacier National Park, Flathead County, Montana.
- 232517.** *JUNCUS PARRYI* Engelm. Rush.
 No. 380. Meadow on eastern slope, Logan Pass on Clements Mountain, Glacier National Park, Glacier County, Montana. Elevation 7,000 feet.
- 232518.** *JUNCUS REGELII* Buch. Rush.
 No. 369. Edge of streamlet, Glacier National Park, trail to Grinnell Glacier, Glacier County, Montana. Elevation 4,900 feet.

232115 to 232628—Continued**232519. JUNCUS TRACYI** Rydb.**Rush.**

No. 514. Wet slope, edge of Douglas fir and aspen woods, Yellowstone National Park, 5.6 miles west of Tower Junction, Wyoming. Elevation 7,500 feet.

232520. JUNCUS TWEEDI Rydb.**Rush.**

No. 502. Edge of hot spring, West Thumb, Yellowstone National Park, Wyoming. Elevation 7,700 feet.

232521 to 232523. LUZULA GLABRATA (Hoppe) Desv. Juncaceae. **Woodrush.**

232521. No. 56. Above snow bank, Crater Lake National Park, Mount Thielsen, Klamath County, Oregon. Elevation 8,120 feet. Plants few.

232522. No. 59. Along hillside under Douglas firs, near Ranger Headquarters, Crater Lake National Park, Klamath County, Oregon. Elevation 6,000 feet. Plants to 6 inches high, abundant, very succulent; leaves broad.

232523. No. 391. Meadow on eastern slope, Logan Pass, Clements Mountain, Hanging Gardens, Glacier County, Montana. Elevation 7,000 feet.

232524. LUZULA PARVIFLORA (Ehrh.) Desv.**Millet woodrush.**

No. 266. Lodgepole pinewoods, 7 miles northwest of Southpass City, along Pine Creek, Fremont County, Wyoming. Elevation 7,200 feet.

232525. LUZULA PIPERI (Coville) Jones**Woodrush.**

No. 271. Lodgepole pinewoods, Fiddlers Lake, 24 miles southwest of Lander, Fremont County, Wyoming. Elevation 10,000 feet.

232526. ACONITUM BAKERI Greene. Ranunculaceae.**Baker monkshood.**

No. 112. Aspen woods along a stream, Lamoille Canyon, Elko County, Nevada.

232527. ALLIUM NUTTALLII Wats. Liliaceae.

No. 240. Willow thicket on north shore, Half Moon Lake, Wind River Mountains, Sublette County, Wyoming. A possible ornamental.

232528 to 232530. AMELANCHIER ALNIFOLIA Nutt. Malaceae. **Serviceberry.**

232528. No. 140. Dry slope near a gully above the Trappist Monastery in the Wasatch Range, Weber County, Utah. Elevation 6,300 feet.

232529. No. 164. Steep rocky slope along the White River Valley, 20 miles west of Trappers Lake, Route 132, Rio Blanco County, Colorado. Plant 15 feet high; fruit large, blue, 0.5 inch in diameter.

232530. No. 194. Five miles north of Mesa Lake, Route 65 (Grand Mesa), Mesa County, Colorado. Elevation 8,500 feet. Plant 10 feet high; fruit large, palatable.

232531. AMELANCHIER sp.

No. 358. Loose gravelly soil, rocky trail east of Mount Altyn and southwest of Swiftcurrent Lake on Appekunny Mountain, Glacier National Park, Glacier County, Montana. Fruit large, juicy; rust present.

232532. AQUILEGIA FORMOSA Fisch. Ranunculaceae.**Columbine.**

No. 111. Aspen woods, Lamoille Canyon, Elko County, Nevada. Plant prolific flowering; heavy seeder.

232533. ASTRAGALUS AGRESTIS Dougl. Fabaceae.**Purple milkvetch.**

No. 259. Lodgepole pine clearing, 6 miles northwest of Southpass City along Pine Creek, Fremont County, Wyoming. Elevation 7,190 feet.

232534 to 232537. ASTRAGALUS ALPINUS L.**Alpine milkvetch.**

232534. No. 214. Edge of dried streamlet in a lodgepole pinewoods, Green River Lake area, Sublette County, Wyoming. Elevation 9,000 feet.

232115 to 232628—Continued

232535. No. 261. Creek bank, 6 miles northwest of Southpass City along Pine Creek, Fremont County, Wyoming. Elevation 9,180 feet.

232536. No. 288. Aspen and lodgepole pine grove, 24 miles northwest of Dubois along Route 187, Fremont County, Wyoming. Elevation 8,500 feet.

232537. No. 489. Site of Mammoth's water supply, Yellowstone National Park, Gardiner Creek.

232538. *ASTRAGALUS AMERICANUS* (Hook.) Jones **Milkvetch.**

No. 418. Grassy roadside through aspens, Glacier National Park, Belly River, Glacier County, Montana.

232539. *ASTRAGALUS CANADENSIS* var. *BREVIDENS* (Gand.) Barneby **Milkvetch.**

No. 239. Sandy roadside gravel, north side of Half Moon Lake, Sublette County, Wyoming. Elevation 8,000 feet.

23540. *ASTROGALUS EUCOSMUS* Robinson **Milkvetch.**

No. 491. Site of Mammoth's water supply, Yellowstone National Park, Gardiner Creek.

232541. *ASTRAGALUS FLEXUOSUS* Dougl. **Flexile milkvetch.**

No. 339. Nine miles north of Augusta, Route 33, Teton County, Montana.

232542. *ASTRAGALUS HUMISTRATUS* var. *HOSACKIAE* (Greene) Jones **Milkvetch.**

No. 537. Gravelly roadside 3 miles southwest of Flagstaff, Route 89A, Coconino County, Arizona.

232543 to 232545. *ASTRAGALUS MISER* var. *HYLOPHILUS* (Rydb.) Barneby. **Milkvetch.**

232543. No. 210. Grassy, open lodgepole pine woods, Green River Lake Camp, Sublette County, Wyoming. Elevation 9,000 feet.

232544. No. 290. Aspen and lodgepole pine woods, 24 miles southwest of Dubois, Route 187, Fremont County, Wyoming. Elevation 8,500 feet.

232545. No. 303. Clearing in lodgepole pine woods, 11 miles southwest of West Yellowstone, Tanghee Pass, Route 191 (Tanghee National Forest), Fremont County, Idaho. Elevation 7,080 feet.

232546. *ASTRAGALUS PECTINATUS* Dougl. *Fabaceae.* **Narrowleaf poison-vetch.**

No. 342. Over-grazed dry meadow, 4 miles south of Choteau, Route 33, Teton County, Montana. Plants robust, scattered.

232547. *ASTRAGALUS STRIATUS* Nutt. **Prairie milkvetch.**

No. 344. Dry field, 8 miles north of Dupuyer, Route 89, Pondera County, Montana.

232548. *ASTRAGALUS VESILLIFLEXUS* Sheld. **Milkvetch.**

No. 416. Trail along Belly River, Glacier National Park, Glacier County, Montana. Elevation 4,800 feet.

232549. *ATRIPLEX CONFERTIFOLIA* (Torr. & Frem.) Wats. *Chenopodiaceae.* **Saltbush.**

No. 206. Two miles northwest of Woodside, Route 50, Emery County, Utah.

232550. *ATRIPLEX ROSEA* L. **Tumbling orach.**

No. 473. Arid hillside east of Big Hole, 23 miles east of Jackson, Beaverhead County, Montana.

232115 to 232628—Continued

- 232551.** *BERBERIS HAEMATOCARPA* Wooton Berberidaceae. **Barberry.**
No. 536. Gravelly pine slope, 11 miles east of Jacob Lake, Route 89, Coconino County, Arizona. Plant 10 feet high; leaf cut; fruit pink; possible ornamental.
- 232552.** *BETULA GLANDULOSA* Michx. Betulaceae. **Bog birch.**
No. 414. Edge of spruce grove bordering Belly River, Glacier National Park, Glacier County, Montana.
- 232553.** *DICENTRA FORMOSA* (Andr.) DC. Papaveraceae. **Pacific bleeding-heart.**
No. 48. Exposed rock surface, Summit of Mount Hershberger, Douglas County, Oregon. Elevation 6,200 feet.
- 232554.** *DRYAS DRUMMONDII* Richards Rosaceae.
No. 415. Rocky island in Belly River, 2 miles south of Canadian border, Glacier County, Montana.
- 232555.** *ERYTHRONIUM* sp. Liliaceae.
No. 86. Cold Spring Lookout, 12 miles northwest of Riggins near Seven Devils Mountain, Idaho County, Idaho.
- 232556 to 232558.** *EUROTIA LANATA* (Pursh) Miq. Chenopodiaceae. **Common winterfat.**
232556. No. 343. Over-grazed dry field 4 miles south of Choteau, Route 33, Teton County, Montana.
232557. No. 533. Rabbit-sagebrush plain, 4 miles west of Bryce Canyon, Dixie National Forest, Utah.
232558. No. 238. Rabbit-sagebrush plain, 24 miles south of Cameron, Route 89A, Yavapai County, Arizona.
- 232559.** *GENTIANA ELEGANS* A. Nels. Gentianaceae.
No. 486. Sedge meadow, Swan Lake, Yellowstone National Park, Wyoming.
- 232560.** *HEDYSARUM SULPHURESCENS* Rydb. Fabaceae. **Sweetvetch.**
No. 350. Exposed eastern slope, 4 miles south of Kiowa near Medicine Ridge, Route 49, Glacier National Park, Glacier County, Montana. Elevation 5,900 feet.
- 232561 and 232562.** *JUNIPERUS COMMUNIS* var. *SAXATILIS* Pallas Pinaceae. **Juniper.**
232561. No. 359. East of Mt. Altyn and southwest of Swiftcurrent Lake, Appekunny Mountain, Glacier National Park, Glacier County, Montana. Elevation 7,000 feet. Plant depressed, almost prostrate.
232562. No. 480. Along Madison River, Yellowstone National Park, Wyoming. Elevation 6,500 feet.
- 232563.** *KALLSTROEMIA GRANDIFLORA* Torr. Zygophyllaceae.
No. 540. Desert, about 42 feet below sea level, near Yuma County line, 16 miles east of Datel, Route 80, Yuma County, Arizona.
- 232564.** *LATHYRUS VESTITUS* var. *PUBERULUS* (White) Jeps. Fabaceae. **Peavine.**
No. 1. Roadside redwood grove, 3 miles north of Gorda, Monterey County, California. Plant 3 feet high, upright.
- 232565.** *LEPTARRHENA PYRIFOLIA* (D. Don) R. Br. Saxifragaceae.
No. 389. Meadow on eastern slope, Logan Pass, Clements Mountain (Hanging Gardens), Glacier National Park, Montana. Elevation 7,000 feet.

232115 to 232628—Continued

- 232566.** *LONICERA INVOLUCRATA* (Richards) Banks Caprifoliaceae. **Honeysuckle.**
No. 119. Aspen grove along stream, Lamoille Canyon, Elko County, Nevada. Very ornamental.
- 232567.** *LOTUS PURSHIANUS* (Benth). Clements & Clements Fabaceae. **Trefoil.**
No. 93. Mica outcrop 3 miles south of Pollock, Route 95, Idaho County, Idaho. Plant with nodules on roots.
- 232568.** *LOTUS WRIGHTII* (Gray) Greene **Trefoil.**
No. 535. Yellow pine forest, Jacobs Lake, Route 89, east of Kaibab National Forest, Coconino County, Arizona.
- 232569 to 232574.** *LUPINUS ARGENTUS* Pursh Fabaceae. **Silvery lupine.**
232569. No. 97. Arid sagebrush plain, 3 miles north of Jordan Valley, Malheur County, Oregon. Bush low; flowers lavender.
232570. No. 126. Associated with balsam root on a bald above Trappist Monastery, Wasatch Range, near Huntsville, Weber County, Utah.
232571. No. 217. Sagebrush meadow north of lower Green River Lake, Sublette County, Wyoming.
232572. No. 257. Dry wash in sagebrush plain 7 miles north of Farson, Route 187, Sweetwater County, Wyoming. Elevation 6,500 feet. Possible drought resistant.
232573. No. 282. Dry granite slope, Fiddlers Lake, 24 miles southwest of Lander, near Continental Divide, Fremont County, Wyoming. Elevation 10,000 feet.
232574. No. 468. Gravelly roadside bank bordering lodgepole pine, 20 miles west of Wisdom, Route 43, Beaverhead County, Montana. Banner violet with white spots.
- 232575.** *LUPINUS HUMICOLA* A. Nels. **Lupine.**
No. 297. Open lodgepole pine woods, 38 miles southeast of Moran near Togwotee Pass, Route 287, Fremont County, Wyoming. Elevation 9,600 feet. Plants abundant; leaves large, ovoid; pods large.
- 232576.** *LUPINUS LAXIFLORUS* Dougl. **Spur lupine.**
No. 74. Cold Springs Lookout, 12 miles northwest of Riggins near Seven Devils Mountain, Idaho County, Idaho. Elevation 6,900 feet. Plants abundant to 1 foot high; flowers blue.
- 232577.** *LUPINUS LEPIDUS* Dogl. **Pacific lupine.**
No. 35. Fort Creek Motel, 3 miles south of Fort Klamath, Route 62, Klamath County, Oregon. Elevation 5,500 feet.
- 232578.** *LUPINUS LEPIDUS* var. *CAESPITOSUS* (Nutt.) Detling **Lupine.**
No. 298. Open lodgepole pinewoods, 38 miles southwest of Moran, Route 287, near Togwotee Pass, Fremont County, Wyoming. Elevation 9,600 feet. Plants 5 inches high, scattered; flowers partly hidden by leaves.
- 232579.** *LUPINUS LYALLII* A. Gray **Lupine.**
No. 43. Dry volcanic soil, along Route 230, 11 miles northeast of Union Creek, Douglas County, Oregon. Elevation 6,000 feet.
- 232580.** *LUPINUS POLYPHYLLUS* Lindl. **Washington lupine.**
No. 39. Grassy ditch, 1 mile north of Fort Klamath, Route 62, Klamath County, Oregon. Elevation 5,600 feet.
- 232581.** *LUPINUS SERICEUS* Pursh **Silky lupine.**
No. 347. Scattered in lodgepole pine openings, Two Medicine Lake, Glacier National Park, Glacier County, Montana.

232115 to 232628—Continued

232582. LUPINUS sp.

No. 509. Dry slope of Mount Washburne, 0.5 mile north of Dunraven Pass, Yellowstone National Park, Wyoming.

232583. MIMULUS GUTTATUS DC. Scrophulariaceae.

No. 137. Along stream, Wheeler Springs near Snow Basin, Mount Ogden, Wasatch Range, Weber County, Utah. Flowers yellow.

232584. ORTHOCARPUS TENUIFOLIUS (Pursh) Benth. Scrophulariaceae.

No. 329. Sauerkraut Creek near Lincoln, Lewis and Clark County, Montana. Elevation 4,900 feet.

232585 to 232588. OXYTROPIS DEFLEXA var. SERICEA Torr. & Gray Fabaceae.

232585. No. 209. Sandy clay, northwest shore of Green River Lake, Bridger National Forest, Sublette County, Wyoming. Elevation 9,000 feet.

232586. No. 244. Willows, gravelly roadside bordering Half Moon Lake, Sublette County, Wyoming.

232587. No. 419. Meadow, Belly River, Glacier National Park, Glacier County, Montana. Elevation 4,800 feet.

232588. No. 490. Site of Mammoth's water supply, Gardiner Creek, Yellowstone National Park, Wyoming.

232589. OXYTROPIS LAMBERTII var. BIGELOVII Gray

No. 539. Gravelly slope, Route 89, 18 miles north of Flagstaff, Coconino County, Arizona. Elevation 7,200 feet.

232590. OXYTROPIS OREOPHILA Gray

No. 532. Rocky slope in yellow pine grove, Inspiration Point, Bryce Canyon, Utah. Ornamental possibilities.

232591. OXYTROPIS SERICEA Nutt.

No. 345. Dry meadow, 4 miles south of Choteau, Route 89, Pondera County, Montana.

232592. OXYTROPIS SPLENDENS Richards

No. 360. Gravel along bridle path, east of Mount Altyn, southwest of Swiftcurrent Lake, Appekunny Mountain, Glacier County, Montana. Plant prostrate, very pubescent, silver-woolly appearing; fruiting stem upright.

232593 and 232594. OXYTROPIS VISCIDA Nutt.

232593. No. 351. Rocky bank bordering aspen woods, 1 mile south of Junction 89, Route 49, Glacier National Park, Glacier County, Montana. Elevation 6,000 feet.

232594. No. 511. Sagebrush hill, edge of lodgepole pinewoods, Tower Falls Campgrounds, Yellowstone National Park, Wyoming. Elevation 6,000 feet.

232595. PEDICULARIS GROENLANDICA Retz. Scrophulariaceae. **Woodbetony.**

No. 228. Green River Lake, Sublette County, Wyoming. Plant very showy.

232596. PENSTEMON CONFERTUS Dougl. Scrophulariaceae.

No. 262. Six miles northwest of Southpass City, Pine Creek, Fremont County, Wyoming.

232597. PENSTEMON ELLIPTICUS Coult. & Fisch.

No. 370. Dry ledge, trail to Grinnell Glacier, Glacier County, Montana. Elevation 6,000 feet. Flowers purple.

232115 to 232628—Continued**232598. PENSTEMON LYALLII Gray**

No. 357. Gravelly soil, trail east of Mount Altyn, northwest of Swift-current Lake, Appekunny Mountain, Glacier County, Montana. Elevation 6,000 feet.

232599. PENSTEMON PALMERI Gray

No. 534. Sandy canyon roadside, Zion National Park, Washington County, Utah. Plant 3 feet high.

232600 and 232601. PURSHIA TRIDENTATA (Pursh) DC. Rosaceae.

232600. No. 38. One-half mile northwest of Junction 232, Route 62, Klamath County, Oregon. Elevation 5,600 feet. Plant 5 feet high; dense.

232601. No. 89. Dry bank, Evergreen Forest Camp, Idaho County, Idaho. Plant small, thick low habit.

232602. RATIBIDA COLUMNARIS (Sims) D. Don Asteraceae.

No. 313. Roadside, 2 miles southeast of Winston, Route 10 north, Broadwater County, Montana. Ornamental possibilities.

232603. ROSA (hybrid). Rosaceae.**Rose.**

No. 192. (*Rosa acicularis* × *nutkana*). Aspen grove 5 miles north of Mesa Lake, Route 65, Mesa County, Montana. Elevation 7,500 feet. Plants to 5 feet high; fruit orange, ovoid.

232604. ROSA ACICULARIS var. SAYIANA Erlanson

No. 355. One mile south of Junction 89, Route 49, Glacier County, Montana. Plant 1 foot high, very dense; fruit colorful.

232605. ROSA NUTKANA Presl**Nutka rose.**

No. 189. Associated with scrub oak and aspen, 6 miles north of New Castle, Garfield County, Colorado. Shrub, 5 feet high; hips large, orange-scarlet.

232606. ROSA PISOCARPA Gray**Rose.**

No. 65. Three miles north of Toppenish, Route 97, Yakima County, Washington. Plant made profuse growth; canes not self-supporting, slender, arching, hips attractive, orange to scarlet, heavy.

232607 to 232610. ROSA WOODSII Lindl.**Woods rose.**

232607. No. 144. Sheeps Creek Canyon between Manila and Vernal, Daggett County, Utah. Elevation 7,500 feet. Plant possible understock for tree roses; hips bright orange.

232608. No. 190. Red clay bank with aspen and scrub oak, 6 miles north of New Castle, Garfield County, Colorado. Plant 3 feet high; hips small.

232609. No. 335. Grassy slope, 26 miles northeast of Lincoln, Montana. Route 20, Lewis and Clark County, Montana. Elevation 5,000 feet. Plants to 1.5 feet high; leaves thin; fruit red, showy.

232610. No. 485. Rhyolite slope, 1 mile south of Mammoth, Wyoming. Elevation 6,700 feet. Plants to 8 feet high; fruits heavy, scarlet; ornamental.

232611 to 232613. ROSA sp.

232611. No. 455. Bush partly shaded by larch and hemlock, associated with *Rubus* spp., *Juncus ensifolius* and *Carex mertensi*, west side of Hungry Horse Dam, Flathead County, Montana. Plant 4 feet high; fruits bright red.

232612. No. 427. Flathead Ranger Station, Flathead County, Montana. Elevation 3,500 feet. Plant 4 feet high; fruit very attractive.

232613. No. 517. Yellowstone National Park, 9.4 miles west of Tower Junction, Mammoth Hot Springs Rd. Plant 3 feet high; fruit scarlet, ovoid.

232115 to 232628—Continued

232614 to 232617. *SALIX PETROPHILA* Rydb. Salicaceae. **Skyland willow.**

232614. No. 375. Rocky moraine, Grinnell Glacier, Glacier County, Montana. Elevation 8,400 feet. Plant 3 feet high; creeping.

232615. No. 381. Meadow on eastern slope, Logan Pass, Clements Mountain, Glacier County, Montana. Elevation 7,000 feet.

232616. No. 382. Meadow on eastern slope, Logan Pass, Clements Mountain, Glacier County, Montana. Elevation 7,000 feet. Plant 2 inches high; capsules red.

232617. No. 529. Tundra near Beartooth Pass, Park County, Wyoming. Elevation 10,000 feet.

232618. *SAXIFRAGA ARGUTA* Don. Saxifragaceae. **Brook saxifrage.**

No. 212. Mossy stream bank, lodgepole pine forest, Green River Lake, Sublette County, Wyoming. Elevation 9,000 feet.

232619. *THERMOPSIS XYLOPHIZA* Nels. Fabaceae.

No. 81. Edge of fir woods about 4 miles below Cold Springs Lookout, Cold Spring Road, Idaho County, Idaho. Elevation 6,600 feet.

232620. *TRIFOLIUM LATIFOLIUM* (Hook.) Greene. Fabaceae. **Twin clover.**

No. 80. One mile below Cold Springs Lookout, Idaho County, Idaho. Elevation 6,800 feet. Plants creeping, not light sensitive, forming beds in shady spots; color heads pink to white; heavy seeders.

232621. *TRIFOLIUM PARRYI* Gray. **Clover.**

No. 530. Rocky tundra near Beartooth Pass, Route 12, Park County, Wyoming. Elevation 10,500 feet. Seed heads erect about 2 inches from ground.

232622 to 232626. *TRIFOLIUM RYDBERGII* Greene. **Clover.**

232622. No. 150. Lodgepole pine meadow along Middle Fork of Sheeps Creek, road to Spirit Lake, Daggett County, Utah. Elevation 9,000 feet.

232623. No. 216. Lodgepole pine meadow, Green River Lake, Sublette County, Wyoming. Elevation 9,000 feet. Plants abundant.

232624. No. 258. Lodgepole pine woods, 6 miles northwest of Southpass City, along Pine Creek, Fremont County, Wyoming. Elevation 7,100 feet.

232625. No. 289. Aspen woods, 24 miles southwest of Dubois, Route 87, Fremont County, Wyoming. Elevation 8,500 feet. Plants abundant.

232626. No. 488. In moist thicket of dwarf willows, Gardiner Creek, Yellowstone National Park.

232627. *VANCOUVERIA HEXANDRA* (Hook.) Morr. & Dcne. Berberidaceae.

No. 62. Shrine of Our Lady of Sorrows, Portland, Oregon.

232628. *VICIA AMERICANA* Muhl. Fabaceae. **American vetch.**

No. 356. Rocky trail east of Mount Altyn, northwest of Swiftcurrent Lake, Appekunny Mountain, Glacier County, Montana. Elevation 6,000 feet.

232629 to 232649. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricola, Turrialba. Received Apr. 10, 1956.

232629. (49) F.A. 21, T. 2691 $\times$ F. 840, T. 2707.

232630. (44) B.A. 21, T. 2691 $\times$ 'Geisha', T. 2722.

232631. (39) B.A. 21, T. 2691 $\times$ H. 66, T. 2721.

232632. (53) B.A. 21, T. 2691 $\times$ K-7, T. 2737.

232633. (62) B.A. 21, T. 2691 $\times$ 'Mundo Novo'.

232629 to 232649—Continued

232634. (56) F. 840, T. 2707 $\times$ B.A. 21, T. 2691.
 232635. (43) F. 840, T. 2707 $\times$ 'Geisha', T. 2722.
 232636. (38) F. 840, T. 2707 $\times$ H. 66, T. 2721.
 232637. (59) F. 840, T. 2707 $\times$ 'Mundo Novo'.
 232638. (60) F. 840, T. 2707 $\times$ 'Mundo Novo'.
 232639. (54) H. 66, T. 2721 $\times$ B.A. 21, T. 269.
 232640. (50) H. 66, T. 2721 $\times$ K-7, T. 2737.
 232641. (42) H. 66, T. 2721 $\times$ 'Geisha', T. 2722.
 232642. (46) H. 66, T. 2721 $\times$ F. 840, T. 2707.
 232643. (58) H. 66, T. 2721 $\times$ 'Mundo Novo'.
 232644. (57) K-7, T. 2737 $\times$ B.A. 21, T. 2691.
 232645. (45) K-7, T. 2737 $\times$ 'Geisha', T. 2722.
 232646. (41) K-7, T. 2737 $\times$ H. 66, T. 2721.
 232647. (61) K-7, T. 2737 $\times$ 'Mundo Novo'.
 232648. (48) K-7, T. 2737 $\times$ F. 840, T. 2707.
 232649. (52) F. 840, T. 2707 $\times$ K-7, T. 2737.

232650. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From Ireland. Scions presented by J. O'Boyle, Killala, County Mayo. Received Apr. 10, 1956.

'Warner King'.

232651 and 232652. FRAGARIA (hybrids). Rosaceae. Strawberry.

From France. Plants presented by G. Delbard, Commentry, Allier. Received Apr. 10, 1956.

232651. 'Ville de Caen'.

232652. 'St. Joseph'.

232653. JASMINUM sp. Oleaceae.

From Great Britain. Plant presented by Birch Farm Nursery, East Grinstead, Sussex, England. Received Apr. 10, 1956.

232654 to 232659.

From Germany. Seeds presented by the Botanischer Garten der Universitat, Halle. Received Apr. 10, 1956.

232654. LINUM FLAVUM L. Linaceae.

Golden flax.

232655. LINUM GRANDIFLORUM Desf.

Flowering flax.

232656. LINUM LEWISII Pursh.

Flax.

232657. LINUM NARBONENSE L.

Narbonne flax.

232658. LINUM PERENNE L.

Perennial flax.

232659. LINUM USITATISSIMUM L.

Common flax.**232660 to 232663.**

From Sweden. Plant material presented by the Horticultural Research Station, Alnarp, Akarp. Received Apr. 11, 1956.

232660 and 232661. MALUS SYLVESTRIS Mill. Malaceae. Common apple. Cuttings.

232660. 'Mio'.

232661. 'Smovit'.

232660 to 232663—Continued**232662 and 232663.** RUBUS (hybrids). Rosaceae.

Plants.

232662. 'Miranda'.**232663.** 'Mitra'.**232664 and 232665.**

From the Canary Islands. Seeds presented by the Jardin de Aclimatacion, Ortova, Tenerife. Received Apr. 11, 1956.

232664. RUMEX LUNARIA L. Polygonaceae.**Dock.****232665.** RUMEX VESICARIUS var. RHODOPHYSA Ball.**Dock.****232666 and 232667.** ZEA MAYS L. Poaceae.**Corn.**

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Apr. 11, 1956.

Originally from the Agronomy Department, Agricultural Experiment Station, Lincoln, Nebraska.

232666. Logan County composite.**232667.** Keith County composite.**232668 and 232669.** PINUS SYLVESTRIS L. Pinaceae. **Scotch pine.**

From Spain. Seeds presented by the Ministerio de Agricultura, Madrid. Received Apr. 11, 1956.

232668. From Navarredonda, Avila.**232669.** From La Granja, Segovia.**232670.** GLYCINE JAVAICA var. CLAESSENSII (DeWild.) Hauman
Fabaceae.

From Japan. Presented by the Laboratory of Plant Biology, Hyogo Agricultural College, Sasayama.

Originally from Africa.

232671 to 232673.

From the Union of South Africa. Seeds presented by the Sugar Experiment Station, Mount Edgecombe, Natal. Received Apr. 12, 1956.

232671. ERIOCHRYSIS MUNROANA (Hackel) Pilger Poaceae.**232672.** MISCANTHIDIUM CAPENSE Stapf Poaceae.**232673.** MISCANTHIDIUM VIOLACEUM (K. Schum.) Robyns.**232674.** PINUS SYLVESTRIS L. Pinaceae.**Scotch pine.**

From Greece. Seeds presented by the Agricultural Attaché, American Embassy, Athens. Received Apr. 12, 1956.

Collected from Kozani District, Kataphygio County, Kataphygro Forest, Greece. Elevation 900 meters.

232675 and 232676.

From Great Britain. Plants presented by T. Hilling & Company, Surrey, England. Received Apr. 12, 1956.

232675. MAHONIA AQUIFOLIUM (Pursh) Nutt. Berberidaceae. **Oregongrape.**
'Undulata'.**232676.** MALUS (hybrid). Malaceae.**Apple.**

'Golden Gem'.

232677 to 232741.

From Great Britain. Plants presented by Hillier & Sons, Winchester, England.
Received Apr. 12, 1956.

- 232677.** ABIES FABRI (Mast.) Craib. Pinaceae. Fir.
232678. ABIES FAXONIANA Rehd. & Wilson Fir.
232679. ABIES GEORGEI Orr Fir.
232680. ABIES PINDROW Royle Fir.

'Brevifolia'.

- 232681.** ABIES SPECTABILIS Lamb Himalayan fir.
232682. ABIES SUTCHUENENSIS (Franch) Rehd. & Wilson Fir.
232683. ABIES VENUSTA (Dougl.) K. Koch Fir.
232684. ABIES VILMORINI Masters Fir.
232685. ACER CAPPADOCICUM Gleditsch Aceraceae. Coliseum maple.
 'Rubrum'.
232686. ACER DAVIDII Franch. Maple.
232687. ACER MICRANTHUM Sieb. & Zucc. Maple.
232688. ACER NEGUNDO L. Boxelder.

'Auratum'.

- 232689 to 232696** BERBERIS $\times$ STENOPHYLLA Lindl. Berberidaceae.
 Rosemary barberry.

- 232689.** 'Autumnalis'. **232693.** 'Gracilis'.
232690. 'Coccinea'. **232694.** 'Irwinii'.
232691. 'Corallina'. **232695.** 'Picturata'.
232692. 'Corallina Compacta'. **232696.** 'Semperflorens'.

- 232697 to 232699.** CEDRUS ATLANTICA Manetti Pinaceae. Atlas cedar.
232697. 'Aurea'.
232698. 'Fastigata'.
232699. 'Glauca Pendula'.

- 232700.** CEDRUS BREVIFOLIA (Hook. f) Henry Cyprian cedar.
232701 and 232702. CEDRUS DEODORA (Lamb) Laud. Deodar cedar.
232701. 'Albo-spica'.
232702. 'Robusta'.

- 232703 and 232704.** CYTISUS BEANII Nichols Fabaceae. Broom.
232703. Typical form.
232704. 'C. E. Pearson'.

- 232705 and 232706.** FRAXINUS EXCELSIOR L. Oleaceae. European ash.
232705. 'Diversifolia'.
232706. 'Pendula'.

- 232707.** ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.
 'Handsworth'.

- 232708.** ILEX CORALLINA Franch. Coral holly.
232709. ILEX DIPYRENA Wall. Himalaya holly.
232710. ILEX FARGESII Franch. Holly.
232711. ILEX INTRICATA Hook. f. Nepal holly.

232677 to 232741—Continued

232712. *LARIX DECIDUA* Miller Pinaceae. European larch.
 'Fastigiata'.
232713. *LARIX GRIFFITHIANA* (Hook.) Carr. Himalayan larch.
232714. *LARIX GMELINII* var. *JAPONICA* (Maxim.) Pilger Larch.
232715. *LARIX POTANINII* Batal. Chinese larch.
232716. *MAHONIA LOMARIIFOLIA* Takeda Berberidaceae.
232717. *MAHONIA REPENS* var. *ROTUNDIFOLIA* Fedde.
- 232718 and 232719. *PICEA ABIES* (L.) Karst Pinaceae. Norway spruce.
232718. 'Argentea'.
232719. 'Pseudo-prostrata'.
232720. *PICEA BRACHYTYLA* (Franch.) Pritzel. Spruce.
232721. *PICEA LIKIANGENSIS* (Franch.) Pritzel. Spruce.
232722. *PINUS CEMBRA* L. Pinaceae. Swiss stone pine.
 'Chlorocarpa'.
232723. *PINUS GERARDIANA* Wall. Pine.
232724. *PINUS* × *HOLFERDIANA* A. B. Jacks. Pine.
232725. *PINUS SYLVESTRIS* L. Scotch pine.
 'Aurea'.
232726. *PINUS TABULAEFORMIS* var. *DENSATA* (Mast.) Rehd. Pine.
232727. *PINUS YUNNANENSIS* Franch. Yunna pine.
232728. *POPULUS LASIOCARPA* Oliver Salicaceae. Chinese poplar.
232729. *PRUNUS INCISA* Thunb. Amygdalaceae. Mame cherry.
 'February Pink'.
232730. *PRUNUS PROSTRATA* L. Mountain cherry.
232731. *PRUNUS* (hybrid).
 'Helliery Spire'.
232732. *PSEUDOTSUGA JAPONICA* (Shiras.) Beiss. Pinaceae. Japanese Douglas-fir.
232733. *RIBES ALPINUS* L. Grossulariaceae. Mountain currant.
 'Pumilum'.
232734. *SALIX ACUTIFOLIA* Willd. Salicaceae. Sharpleaf willow.
232735. *SALIX CORDATA* Michx. Heartleaf willow.
232736. *SALIX DAPHNOIDES* Vill. Willow.
 'Aglaiia'.
232737. *SALIX FARGESII* Burkill. Willow.
232738. *SALIX LANATA* L. Willow.
232739. *SALIX RETICULATA* L. Netleaf willow.
232740. *SALIX RETUSA* L. Notchleaf willow.
232741. *ULMUS AMERICANA* L. Ulmaceae. American elm.
 'Aurea'.

232742 to 232749. SACCHARUM (hybrids). Poaceae. Sugarcane.

From India. Cuttings presented by the Crop Production Advisor, American Embassy, New Delhi. Received Apr. 13, 1956.

232742. B.O. 3.	232746. B.O. 17.
232743. B.O. 10.	232747. B.O. 21.
232744. B.O. 11.	232748. B.O. 22.
232745. B.O. 14.	232749. B.O. 28.

232750 to 232775. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Brazil. Clones presented by the Instituto de Cacau de Bahia, in cooperation with the Instituto Agronomico do l'Este, Bahia.

Numbered Apr. 6, 1956.

<i>Selection.</i>	<i>Fruit type.</i>	<i>Selection.</i>	<i>Fruit type.</i>
232750. 'Catongo'	Amelonado.	232763. IAL-24	Calabacillo.
232751. SIC-1	Amelonado.	232764. IAL-42	Calabacillo
232752. SIC-2	Amelonado.	232765. IAL-44	Cundeamor.
232753. SIC-3	Amelonado.	232766. IAL-46	Amelonado.
232754. SIC-4	Amelonado.	232767. IAL-50	Calabacillo.
232755. SIC-5	Amelonado.	232768. IAL-53	Calabacillo.
232756. SIC-6	Amelonado.	232769. IAL-59	Calabacillo.
232757. SIC-7	Amelonado.	232770. IAL-70	Amelonado.
232758. IAL-3	Amelonado.	232771. IAL-84	Amelonado.
232759. IAL-4	Amelonado.	232772. IAL-92	Amelonado.
232760. IAL-5	Cundeamor.	232773. IAL-93	Amelonado.
232761. IAL-13	Amelonado.	232774. IAL-94	Amelonado.
232762. IAL-21	Amelonado.	232775. IAL-98	Calabacillo.

232776 to 232784.

From Germany. Plants purchased from the Herm. A. Hesse Nurseries, Weener. Received Apr. 13, 1956.

232776. ACER RUBRUM L. Aceraceae.	Red maple.
'Wageri'.	
232777. AESCULUS HIPPOCASTANUM L. Aesculaceae.	Common horsechestnut
'Laciniata'.	
232778. EUONYMUS AMERICANUS L. Celastraceae.	Brook euonymus.
'Purpurea'.	
232779. EUONYMUS NIKOENSIS Nakai.	
232780. EUONYMUS PAUCIFLORUS Maxim.	
232781. EUONYMUS VERRUCOSUS Scop.	
232782. POPULUS TREMULA L. Salicaceae.	European aspen.
'Purpurea'.	
232783. PRUNUS CERASIFERA Ehrh. Amygdalaceae.	Myrobalan plum.
'Variegata'.	
232784. SALIX ALBA var. CALVA G. F. W. May. Salicaceae.	White yellow.
'Liempde'.	

232785 to 232814. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Peru. Seeds presented by the Programa Cooperativo de Experimentacion Agropecuaria, Lima. Received Mar. 27, 1956.

- 232785. No. 1B-55. 'Maribal' × S.R.
- 232786. No. 3A-54. 'Maribal 50' × 'Klein 40 C 9606'.
- 232787. No. 3B-55. 'Maribal' × 'Kenya 155'.
- 232788. No. 4B-55. 'Maribal' × 'Florence C.I. 4170'.
- 232789. No. 6A-54. 'Maribal 50' × 'Marina 50'.
- 232790. No. 6B-55. 'Maribal' × 'Mariache'.
- 232791. No. 7B-55. 'Maribal' × 'Mariache'.
- 232792. No. 13B-55. 'Mariache' × 'Industrial Argentino'.
- 232793. No. 14B-55. 'Mariache' × 'Chapingo'.
- 232794. No. 15B-55. 'Mariache' × 'Ciento Cincuenta'.
- 232795. No. 16B-55. 'Marikenya' × 'Rewarho'.
- 232796. No. 17B-55. 'Marikenya' × 'Rewarho'.
- 232797. No. 19B-55. 'Marikenya' × 'Linea G'.
- 232798. No. 20B-55. 'Marikenya' × 'Linea G'.
- 232799. No. 21B-55. 'Marikenya' × 'Linea G'.
- 232800. No. 23A-54. 'Spring Progress' × 'Kenya 58'.
- 232801. No. 23B-54. 'Spring Progress' × 'Kenya 58'.
- 232802. No. 23B-55. 'Marikenya' × 'Linea G'.
- 232803. No. 24B-55. 'Merebal' × 'Linea G'.
- 232804. No. 25B-55. 'Merebal' × Na 101.
- 232805. No. 26Z-54. 'H44-Marquis' × 'Kenya 58'.
- 232806. No. 27B-55. 'Merebal' × 'Macmubal'.
- 232807. No. 28B-55. 'Rewarho' × 'Chapingo'.
- 232808. No. 29A-54. 'H44-Marquis' × 'Kenya 58'.
- 232809. No. 30B-55. 'Klein 40 C 9606' × Na 101.
- 232810. No. 31B-55. 'Klein 40 C 9606' × 'Industrial Argentino'.
- 232811. No. 34B-55. 'Florence' × 'Aurora 8193' × 'Marina'.
- 232812. No. 42B-55. 'Marina 50' × 'Kenya 58'.
- 232813. No. — 'Helvia'.
- 232814. No. 32B-55. 'Klein 40 C 9606' × 'Linea G'.

232815 to 232817. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Italy. Seeds presented by the Agricultural Attache, American Embassy, Rome. Received Apr. 16, 1956.

- 232815. 'R. 539. San Giorgio'.
- 232816. 'Senatore Cappelli R. 538'.
- 232817. 'Roma R. 540'.

232818. INDIGOFERA TEYSMANII Miq. Fabaceae.**Indigo.**

From Malaya. Seeds presented by the Department of Agriculture, Federation of Malaya, Kuala, Lumpur. Received Apr. 9, 1956.

232819. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.

From the United States. Plants growing at the Plant Introduction Station, Glenn Dale, Maryland. Numbered Apr. 17, 1956.

Collected by J. S. Cooley, on farm in Middletown, Virginia, Feb. 15, 1956. Heavy annual producer; fruits medium size, red; possible rootstock value.

232820 to 232822.

From Paraguay. Seeds presented by the Ministry of Agriculture, Asuncion. Received Apr. 17, 1956.

232820. PASPALUM GUENOARUM Arech. Poaceae.

232821. PASPALUM NICORAI Parodi.

232822. PASPALUM NOTATUM Fluegge. **Bahia grass.**

232823 to 232826.

From Germany. Seeds presented by the Institut fur Kulturpflanzenforschung, Gatersleben. Received Apr. 17, 1956.

232823. LINUM ANGUSTIFOLIUM Huds. Linaceae. **Narrowleaf flax.**

232824 to 232826. LINUM HUMILE Mill. **Low flax.**

232824. 'Bayrischer Springlein'.

232825. 'Mourisco'.

232826. 'Spanischer Springlein'.

232827 and 232828.

From the Canary Islands. Seeds presented by the Jardin de Aclimatacion de la Orotava, Puerto de la Cruz, Tenerife. Received Apr. 17, 1956.

232827. RUMEX ACETOSELLA L. Polygonaceae. **Sheep sorrel.**

232828. RUMEX CRISPUS L. **Curly dock.**

232829 to 232831.

From Germany. Seeds presented by the Botanischer Garten, Johannes Gutenberg-Universitat, Mainz. Received Apr. 17, 1956.

232829. LINUM AUSTRIACUM L. Linaceae. **Austrian flax.**

232830. LINUM JULICUM Hayek. **Flax.**

232831. LINUM TENUIFOLIUM L. **Slimleaf flax.**

232832 and 232833. MESPILUS GERMANICA L. Malaceae. **Medlar.**

From Germany. Cuttings presented by the University of Leipzig. Received Apr. 18, 1956.

Said to be forms of a chimera of the medlar.

232832. 'Asnieresii'.

232833. 'Dardari'.

232834 to 232838. FRAGARIA (hybrids). Rosaceae. Strawberry.

From Germany. Plants presented by R. von Sengbusch, Hamburg-Valksdorf. Received Apr. 18, 1956.

232834. 'Jenga Sengana', **232837.** 'Jenga 145'.

232835. 'Jenga 29', **232838.** 'Jenga 146'.

232836. 'Jenga 139'.

232839 to 232842. SOLANUM ANDIGENUM Juz. & Buk. Solanaceae.

From Peru. Seeds presented by the United States Operations Mission, Lima.
Received Apr. 18, 1956.

232839. 'Casa Blanca'.

From La Molina.

232841. 'Huasahuasi'.

From Canete.

232840. 'Cuzco'.

From Huaras.

232842. 'Maco'.

From La Molina.

232843 to 232846. PINUS SYLVESTRIS L. Pinaceae. Scotch pine.

From Great Britain. Plants presented by Hillier & Sons, Winchester, England.
Received Apr. 18, 1956.

232843. 'Argentea'.**232845.** 'Pumila'.**232844.** 'Beauvronensis'.**232846.** 'Viridis'.**232847. CAMELLIA sp. Theaceae.**

From Portugal. Plants presented by Alfred Moreira da Silva & Filhos, Porto.
Received Apr. 18, 1956.
'Jaune'.

232848 and 232849.

From Morocco. Seeds presented by the Service de la Recherche Agronomique
et de l'Experimentation Agricole, Rabat. Received Apr. 19, 1956.

232848. RUMEX CRISPUS L. Polygonaceae.**Curly dock.****232849.** RUMEX PAPILO COSSON**Dock.****232850 and 232851.**

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya.
Received Apr. 19, 1956.

232850. ORYZA LATIFOLIA Desv. Poaceae.**Broadleaf rice.****232851.** ORYZA MEYERIANA Baill.**Rice.****232852 to 232855.**

From Sierra Leone. Seeds presented by the Rice Station, Rokupr. Received
Apr. 20, 1956.

232852. ORYZA BARTHII Cheval. Poaceae.**Rice.****232853 to 232855.** ORYZA GLABERRIMA Steud**Rice.****232853.** 'Kebleh'.**232854.** 'Legbeh'.**232855.** 'Yenti'.**232856. PLATYMISCIUM PINNATUM (Jacq.) Dugand Fabaceae.**

From Cuba. Seeds presented by the Atkins Garden, Soledad, Cienfuegos. Re-
ceived Apr. 20, 1956.

Ornamental; flowers red.

232857. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From India. Seeds presented by the Botany Department, India Agricultural
Research Institute, New Delhi. Received Apr. 20, 1956.

Strain 65.

232858. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

From Costa Rica. Seeds presented by the Agricultural Mission to Costa Rica,
San Jose. Received Apr. 20, 1956.

'Higuerilla'.

232859 to 232873.

From Norway. Scions presented by the Statens Forsksgard Kise, Postadr, Nes, Hedmark. Received Apr. 20, 1956.

232859 to 232864. *MALUS SYLVESTRIS* Mill. Malaceae. Common apple.

232859. 'Belfleur-Kitaika'.

232862. 'Kandil-Rekord'.

232860. 'Bjessemjanka-mitsjurina'.

232863. 'Pepin-sjafrannyi'.

232864. 'Slavjanka'.

232861. 'Kandil-Kitaika'.

232865 to 232868. *PRUNUS* (hybrids). Amygdalaceae.

(Cherry.)

232865. 'Idea'.

232867. 'Plodornodnaja-mitsjurina'.

232866. 'Krase-severa'.

232868. 'Sjirpotreb-tsjornaja'.

232869 to 232871. *PRUNUS* (hybrids).

(Plum.)

232869. 'Persikovaja'.

232870. 'Renklod-kolkhozny'.

232871. 'Renklod-ternovy'.

232872 and 232873. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

232872. 'Bere-obtjabra'.

232873. 'Bere-zimnjaja-mitsjurina'.

232874. *Gossypium* (hybrid). Malvaceae.

Cotton.

From Venezuela. Seeds presented by the Agricultural Attache, United States Embassy, Caracas. Received Apr. 20, 1956.

Collected on Isla Piritu Adentro, 10° north and 65° west, 3 miles from mainland.

232875. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Great Britain. Seeds presented by the National Institute of Agricultural Botany, Cambridge, England, through the British Embassy, Washington, D.C. Received Apr. 18, 1956.

'Koga II' (1955 seed).

232876 to 232880. *FESTUCA ARUNDINACEA* Schreb. Poaceae.

Tall fescue.

From Algeria. Seeds presented by the Service de l'Experimentation Agricole, Maison-Carree. Received Apr. 20, 1956.

232876. L 130.

232879. L 179.

232877. L 177.

232880. L 352.

232878. L 178.

232881 to 232883.

From the Canary Islands. Seeds presented by Jaime O'Shanahan, Bravo de Laguna, Las Palmas, Gran Canaria. Received Apr. 20, 1956.

232881 and 232882. *RUMEX LUNARIA* L. Polygonaceae.

Dock.

232881. From Tenerife.

232882. From La Isla de Gran Canaria.

232883. *RUMEX VESICARIUS* var. *RHODOFHYS* Ball.

Dock.

232884 to 232975.

From Hungary. Seeds presented by the Mezogazdasági Kutatóintézet, Fajta-
gyűjtemény, Martonvasar. Received Apr. 23, 1956.

232884 and 232885. *AVENA SATIVA* L. Poaceae. Common oats.

232884. 'Bankuti 553'.

232885. F.

232886. *AVENA* sp.

'Szeiacs 8'.

232887 and 232894. *BETA VULGARIS* L. Chenopodiaceae. Beet.

232887 to 232890. 'Crassa' group.

232887. 'Babolnai Sarga Hen-
ger'.

232889. 'Eszterhazai Voros'.

232890. 'Rozsaszinu'.

232888. K. 331.

232891 to 232894. 'Saccharifera' group.

232891. K 91.

232893. 242-53.

232892. 242/C.

232894. 242-53 127.

232895. *BRASSICA NAPUS* L. Brassicaceae.

Rape.

'Fertodi'.

232896 to 232898. *CANNABIS SATIVA* L. Urticaceae.

Hemp.

232896. 'Fertodi'.

232897. 'Kompolti B-7'.

232898. 'Kompolti F'.

232899 to 232902. *GLYCINE MAX* (L.) Merr. Fabaceae.

Soybean.

232899. 'Iregszemcsei Corona'.

232901. 'Iregszemcsei Szurke-
barat'.

232900. 'Iregszemcsei Nagyszemu
Feher'.

232902. 'Iregszemcsei Universal'.

232903 to 232906. *HELIANTHUS ANNUUS* L. Asteraceae.

Sunflower.

232903. 'Iregszemcsei Alacsony
Csikos'.

232905. 'Mezohegyesi Cirmos'.

232906. 'Szabolesi'.

232904. 'Lovaszpatonai'.

232907. *HORDEUM* sp. Poaceae.

'Bankuti korai'.

232908. *HORDEUM* sp.

'Beta 40'.

232909. *HORDEUM* sp.

'Fertodi B. 70-55'.

232910. *HORDEUM* sp.

'Fertodi D. 9-55'.

232911. *HORDEUM* sp.

'Fertodi D. 12-55'.

232912. *HORDEUM* sp.

'Fertodi P. 8'.

232913. *HORDEUM* sp.

'Fertodi 4'.

232884 to 232975—Continued

232914. *HORDEUM* sp.
'Hanna'.
232915. *HORDEUM* sp.
'H. 308'.
232916. *HORDEUM* sp.
'H. 1108'.
232917. *HORDEUM* sp.
'Lovaszpatonai Universal'.
232918. *HORDEUM* sp.
'Mezohegyesi 68'.
232919. *HORDEUM* sp.
'M.F.B. 101'.
232920. *HORDEUM* sp.
'M.F.B. 102'.
232921. *HORDEUM* sp.
'M.F.B. 104'.
232922. *HOREDUM* sp.
'M.F.B. 105'.
232923. *LATHYRUS SATIVUS* L. Fabaceae. Grasspea.
'Karcagi'.
232924. *LUPINUS ALBUS* L. Fabaceae. White lupine.
'Gyulatanyai Edes'.
- 232925 and 232926. *LUPINUS LUTEUS* L. Yellow lupine.
232925. 'Gyulatanyai Edes'.
232926. 'Kisvardai Edes'.
232927. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urban Fabaceae. Alfalfa.
'Ovari 2A 77'.
232928. *MELIOTUS ALBA* Desr. Fabaceae. White sweetclover.
'Sopronhorpaci 2A 79'.
232929. *PANICUM MILIACEUM* L. Poaceae. Proso.
'Lovaszpatonai Piros'.
232930. *PAPAVER SOMNIFERUM* L. Papaveraceae. Opium poppy.
'Fertodi Zarttoku Kik'.
- 232931 to 232936. *SECALE CEREALE* L. Poaceae. Rye.
232931. F. 232934. 'Lovaszpatonai'.
232932. 'Kecskemeti Heterozis'. 232935. 'Nagyecenki'.
232933. 'Kisvardai'. 232936. 'Ovari'.
232937. *SORGHUM SUDANENSE* (Piper) Stapf Poaceae. Sudangrass.
- 232938 and 232939. *SORGHUM TECHNICUM* Batt. & Trab. Broomcorn.
232938. 'Kecskemeti'.
232939. 'B. Mezokovacshazi Magas'.
232940. *TRIFOLIUM INCARNATUM* L. Fabaceae. Crimsonclover.
'Lovaszpatonai'.

232884 to 232975—Continued

232941. *TRIFOLIUM PRATENSE* L. Red clover.
'Fertodi'.

232942. *TRIFOLIUM REPENS* L. Whiteclover.

232943 to 232955. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

232943. 'Bankati 1201'. 232950. F. 481.

232944. 'Bankati 1205'. 232951. 'Karcagi 21'.

232945. 'Bankati 1205/690'. 232952. 'Karcagi 1042'.

232946. B. 8000. 232953. K. 96.

232947. 'B. Tavaszi'. 232954. K. 133.

232948. 'B. Fertodi U. 130'. 232955. 'Lovaszpatonai 160'.

232949. 'Betabanhuti'.

232956. *VICIA PANNONICA* Crantz Fabaceae. Hungarian vetch.
'Beta'.

232957. *VICIA SATIVA* L. Common vetch.
'Beta'.

232958 and 232959. *VICIA VILLOSA* Roth Hairy vetch.

232958. 'Kisvardai'.

232959. 'Kompoltisima'.

232960 to 232975. *ZEA MAYS* L. Poaceae. Corn.

232960. 'Aranyozon'.

232961. 'Badeni'.

232962. 'Fertodi B. Korai Sarga Lofogu'.

232963. 'Iregszemcsei 12 Hetes'.

232964. 'Korai F. Sarga Lofogu'.

232965. 'M. Silo'.

232966. 'Martonvasari 1 hybrid'.

232967. 'Martonvasari 2 hybrid'.

232968. 'Martonvasari 5 hybrid'.

232969. 'Mezohegyesi F. Lofogu'.

232970. 'Mindszentpusztai Feher'.

232971. 'Mindszentpusztai Sarga'.

232972. '0-1 Fajtahibrid'.

232973. '0-3 Fajtahibrid'.

232974. '0-4 Fajtahibrid'.

232975. 'Szegedi Sarga Lofogu'.

232976 to 232982. *SACCHARUM* (hybrids). Poaceae. Sugarcane.

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Apr. 23, 1956.

232976. SES 84 A/58N=32. 232980. SES 239/43.N=40.

232977. SES 106 B.N.=24. 232981. SES 248.

232978. SES 184A. 232982. S.H. 546/3.N=64 (Egypt).

232979. SES 199A.

232983 to 232985.

From Morocco. Plants presented by the Ministers de l'Agriculture et des Forets, Rabat. Received Apr. 23, 1956.

232983. *SANSEVIERIA CYLINDRICA* Bojer Liliaceae.

232984. *SANSEVIERIA THYRSIFLORA* Thunb.

232985. *SANSEVIERIA TRIFASCIATA* var. *LAURENTII* (DeWild.) N. E. Brown.

232986. ERAGROSTIS CURVULA (Schrad.) Nees Poaceae.

Weeping lovegrass.

From the Union of South Africa. Seeds presented by G. A. van Dem Heever, Nigel, Transvaal. Received Apr. 18, 1956.

'Ermelo strain'.

232987 to 232999.

From the United States. Seeds held by Soybean Investigations, Horticultural Crops Research Branch, Beltsville, Md. Numbered Apr. 24, 1956.

232987 to 232991. *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**
Probably from Manchuria.

232987. T 36.

232990. T 107.

232988. T 97. Harbin No. 413.

232991. T 108.

232989. T 105.

232992 to 332999. *GLYCINE MAX* (L.) Merr.

Soybean.

232992. 'Kono-Kuradaizu'. From the Kono Experiment Station, Japan.

232993. 'Kono'. No. 207. From the Kono Experiment Station, Japan.

232994 to 232999. From Germany.

232994. No. 1648/44.

232997. No. 119/49.

232995. No. 1369/47.

232998. No. 128/49.

232996. No. 113/49.

232999. No. 115/49.

233000 to 233015. ZEA MAYS L. Poaceae.

Corn.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Apr. 24, 1956.

Open-pollinated varieties from strains from the Agriculture Experiment Station, Columbia, Missouri.

233000. 'Gatepost'.

233001. No. 2315. 'White-dent'.

233002. No. 2300. 'Krug'.

233003. No. 2296. '100-Day'.

233004. No. 2475. 'Midland Showears'.

233005. 'Indian corn'. 1948 miscellaneous bulk.

233006. No. 2314. 'Krug Yellow-dent'.

233007. No. 2478. 'Calico Corn'.

233008. No. 2312. 'Boone County White'.

233009. No. 2623. 'Reids'.

233010. No. 2282. 'Yellow-dent'.

233011. 'Hounschild White'. Golden City.

233012. 'White-dent'. Golden City.

233013. 'Yellow-dent'. Golden City.

233000 to 233015—Continued**233014.** No. 2562. 'Ozark White'.**233015.** No. 2603. 'Potter Jumbo Yellow-dent'.**233016.** *RUMEX VESICARIUS* L. Polygonaceae.**Dock.**

From Morocco. Seeds presented by the Ministers de l'Agriculture et des Forets, Rabat. Received Apr. 24, 1956.

233017 to 233019. *FRAGARIA* (hybrids). Rosaceae. **Strawberry.**

From Great Britain. Plants presented by A. Montgomery & Sons, Thorne, Kent, England. Received Apr. 24, 1956.

233017. 'Cambridge Rearguard S.C.R. 55'.**233018.** 'Early Cambridge S.E.C. 55'.**233019.** 'Talisman S.T. 55'.**233020 to 233023.**

From India. Seeds presented by the Agricultural Attache, United States Embassy, New Delhi. Received Apr. 25, 1956.

233020. *CAJANUS CAJAN* (L.) Millsp. Fabaceae.**Pigeonpea.**

'Red Gram'.

233021. *DOLICHOS BIFLORUS* L. Fabaceae.**Twinflower dolichos.**

'Horse Gram No. 35'.

233022. *PHASEOLUS AUREUS* Roxb. Fabaceae.**Mung bean.**

'Green Gram Co. 1'.

233023. *PHASEOLUS MUNGO* L.**Urd.**

'Black Gram No. 212'.

233024 and 233025. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Indonesia. Cuttings presented by the Proefstation Java Suiker Industrie, Pasuruan. Received Apr. 25, 1956.

233024. 'Ketingan Tengarron 1930'.**233025.** 'Mamehak Mahakan'.**233026 to 233046.**

From Greece. Seeds presented by the Agricultural Attache, Athens. Received Apr. 25, 1956.

233026. *ALLIUM AMPELOPRASUM* L. Liliaceae.**233027.** *ALLIUM ROSEUM* L.

Collected 4 km. east of Megara.

233028 to 233033. Collected on Mount Lycabettus.**233028.** *ALLIUM* sp.

No. 41.

233029. *ALLIUM* sp.

No. 47.

233030. *ALLIUM* sp.

Unnumbered.

233031. *ALLIUM* sp.

No. 43.

233026 to 233046—Continued**233032.** ALLIUM sp.

No. 42.

233033. ALLIUM sp.

Unnumbered.

233034 to 233036. Collected at Mycenae. Unnumbered.**233034.** ALLIUM sp.**233035.** ALLIUM sp.**233036.** ALLIUM sp.**233037 and 233038.** Collected 1.5 km. south of Knossos, Crete.**233037.** ALLIUM sp.

No. 45.

233038. ALLIUM sp.

No. 44.

233039 and 233040. Collected near the Acropolis, Athens.**233039.** ALLIUM sp.

No. 46.

233040. ALLIUM sp.

No. 45.

233041. ALLIUM sp.

No. 40. Collected near Nema.

233042. ALLIUM sp.

No. 38. Collected near Naphlion.

233043. ALLIUM sp.

No. 39. Collected in vineyards near Acrocorinthus.

233044. ALLIUM sp.

Unnumbered. Collected near Herakleion, Crete.

233045. IRIS SISYRINCHIUM L. Iridaceae.**Moraea iris.**

Collected near Herakleion, Crete.

233046. ORNITHOGALUM sp. Liliaceae.

Collected near Acrocorinthus.

233047. VITIS (hybrid). Vitaceae.**Grape.**From Colombia. Cuttings presented by the United States Embassy, Bogota.
Received Apr. 26, 1956.**233048.** ELAEAGNUS ANGUSTIFOLIA L. Elaeagnaceae.**Russian-olive.**From Turkey. Cuttings presented by the Agricultural Attache, United States
Embassy, Ankara. Received Apr. 25, 1956.

Collected by the Turkish Ministry of Agriculture.

233049. FRAGARIA (hybrid). ROSACEAE.**Strawberry.**From the Netherlands. Plants presented by the Instituut voor de Veredeling
van Tuinbouwgewassen, Wageningen. Received Apr. 26, 1956.

'Regina'.

233050. ILEX YUNANENSIS Franch. Aquifoliaceae. Holly.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Apr. 26, 1956.

Received Nov. 10, 1952, from the Arnold Arboretum, Jamaica Plain, Mass.

233051 and 233052.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received Apr. 27, 1956.

Collected at Hengohung, near southern tip of island.

233051. GLYCINE TOMENTELLA Hayata Fabaceae.

233052. RHYNCHOSIA sp. Fabaceae.

233053 and 233054.

From Uruguay. Seeds presented by C. F. Deyoe, Montevideo.

Received Apr. 27, 1956.

233053. PASPALUM DILATATUM Poir. Poaceae. Dallis grass.

Collected near Military Airpost, 20 km. northeast of Montevideo.

233054. PASPALUM NOTATUM Fluegge Bahia grass.

Collected 35 km. north of Florida.

233055 and 233056. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Sweden. Seeds presented by S. Bingefors, Uppsala. Received Apr. 27, 1956.

233055. U. 0611.

233056. U. 0615.

233057 and 233058.

From Canada. Plants presented by the Dominion Experimental Farm, Melfort, Saskatchewan. Received Apr. 27, 1956.

233057. TRIFOLIUM sp. Fabaceae.

Strain S-48-186-1.

233058. TRIFOLIUM sp.

Strain S-48-190-1.

233059 to 233062.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered May 1, 1956.

233059 to 233061. ILEX OPACA Ait. Aquifoliaceae. American holly.

Pistillate selections from the Missouri Botanic Garden, St. Louis, Mo.

233059. No. 1.

233060. No. 2.

233061. No. 3.

233062. ILEX sp.

Original seeds from Taiwan. Presented by the Holly-by-Golly Nursery, St. James, N.Y.

233063. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. Chileo strawberry.

From Chile. Plants presented by the Ministry of Agriculture, Santiago. Received Apr. 30, 1956.

Wild type.

233064. THEOBROMA CACAO L. Sterculiaceae.**Cacao.**

From American Samoa. Cuttings presented by the Director of Agriculture, Government of American Samoa, Pago, Tutuila. Received Apr. 30, 1956.

'Lafi 7'.

233065 to 233106.

From India. Seeds presented by the Central Rice Research Institute, Cuttack 4, Orissa. Received May 1, 1956.

233065. ORYZA BREVILIGULATA Cheval. & Roehr. Poaceae. **Rice.**
G. S. 707.

233066. ORYZA COARCTATA Roxb. **Rice.**
G. S. 434.

233067. ORYZA PERENNIS Moench **Rice.**
G. S. 437.

233068 to 233106. ORYZA SATIVA L. Common rice.

233068. AC 13.

233069. AC 45.

233070. AC 434 (T 141).

233071. AC 453 (Bam-10).

233072. GS No. 11 ('Bonma-dewa').

233073. GS No. 334 (498-2A) (BR-8).

233074. GS No. 357 ('Baspatia T60S').

233075. GS No. 390 (J-1).

233076. GS No. 400 (SR 26B).

233077. GS No. 475 (T136).

233078. GS No. 476 (T812)

233079. GS No. 477 (T1242).

233080. GS No. 479 (Tetraploid T1767).

233081. GS No. 507 ('R. 10 Chhatr').

233082. GS No. 509 ('R. 15. Chinoor').

233083. GS No. 513 ('Nabatat Asmar').

233084. GS No. 514 ('Yambi Montakhab-55').

233085. GS No. 515 ('Yambi Montakhab-47').

233086. GS No. 516 ('Yambi Pearl').

233087. GS No. 721n (Co 26).

233088. GS No. 780 (Co 20).

233089. J.B.S. 4 ('Bonda').

233090. F.B.S. 7 ('Atma Sital').

233091. J.B.S. 13 ('Mahipal').

233092. J.B.S. 15 ('Singpurallu').

233093. J.B.S. 16 ('Jerunallu').

233094. J.B.S. 19 ('Rathan Chudilu').

233095. F.B.S. 20 ('Dupitokalu').

233096. J.B.S. 25 ('Gorumul Kohulkuchy').

233097. J.B.S. 29 ('Bia Banda').

233098. J.B.S. 34 ('Basumati').

233099. J.B.S. 36 ('Rellawadla').

233100. J.B.S. 40 ('Tella Kalchu').

233101. J.B.S. 41 ('Kusuma Dhanyam').

233102. N.C. 785 ('Balam', 'Early Basmati').

233103. No. 31 ('Aus Basmati').

233104. No. 35 ('Early Basmati').

233105. No. 30 ('Patna-mid-season').

233106. 'Japaka'.

233107 to 233109.

From France. Grafted plants and cuttings presented by George Delbard, Paris.
Received May 2, 1956.

233107 and 233108. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

233107. 'Bon Chretien'.

233108. 'Doyenne Du Comie'.

233109. *CYDONIA ORLONGA* Mill. Malaceae.

Quince.

233110 to 233121.

From the United States. Plants growing at the Regional Potato Project,
Branch Experiment Station, Sturgeon Bay, Wisconsin. Numbered May 2,
1956.

Originally from Coleccion Central Colombiana, Estacion Experimental de Papa,
Ministerio de Agricultura, Bogotá, Colombia. Received Mar. 30, 1956.

233110 to 233118. *SOLANUM ANDIGENUM* Juz. & Buk. Solanaceae.

233110. 'Lisaraza-rosada'.

233111. 'Pana Blanca'.

233112. 'Quincha'.

233113. 'Tocana Blanca'.

233114. 'Tuquerrena'.

233115. 'Velena'.

233116. 'Argentina' × ('Jabonilla' × 'Curipamba #33A').

233117. 'Jabonilla' × 'Curipamba #17a'.

233118. 'Paspuela' × 'Leona #5'.

233119. *SOLANUM COLUMBIANUM* Dunal.

233120 and 233121. *SOLANUM RYBINII* Juz. & Buk.

233120. Typical.

233121. 'Morcilla'.

233122 to 233125.

From the United States. Plants growing at the Regional Potato Project,
Branch Experiment Station, Sturgeon Bay, Wisconsin. Numbered May 2,
1956.

Originally from Dr. J. C. Hawkes, Botany Department, University of Bir-
mingham, Edgbaston, Birmingham 15, England. Received Mar. 10, 1956.

233122. *SOLANUM INFUNDIBULIFORME* Phil. Solanaceae.
2×1.

233123. *SOLANUM MEDIANIS* Bitter

'Neoweberbaueri'. Hawkes H. 39/6.

233124 and 233125. *SOLANUM MEGISTACROLOBUM* Bitter

233124. 'Alticola'. H. 25/1×H. 25/2.

233125. 'Tilcarensis'. CPC 2482 /1×/6.

233126. *SORGHUM* sp. Poaceae.

From Indonesia. Seeds presented by the Proefstation Java Suiker Industrie,
Pasuruan. Received May 2, 1956.

Originally from New Guinea.

233127 to 233136.

From Canada. Scions presented by the Dominion Experimental Station, Morden, Manitoba. Received May 3, 1956.

233127 and 233128. *PRUNUS ARMENIACA* L. Amygdalaceae. Apricot.

233127. M. 601.

233128. 'Robust'.

233129. *PRUNUS AVIUM* L. Sweet cherry.
M-510.

233130. *PRUNUS PEDUNCULATA* (Pall.) Maxim.

233131. *PRUNUS TENELLA* Batsch

233132. *PRUNUS TOMENTOSA* Thunb. Manchu cherry.

233133 to 233136. *PRUNUS* (hybrids).

233133. 'Heaver'. **233135.** M-800.

233134. 'Mansan'. **233136.** 'Yuksa'.

233137. *CROTALARIA PUMILA* Ortega Fabaceae.

From the Bahamas. Seeds presented by Mrs. Franklin Chace, Nassau. Received May 4, 1956.

233138 to 233148.

From Japan. Seeds presented by the Hyogo Agricultural College, Sasayama. Received May 7, 1956.

233138. *GLYCINE CLANDESTINA* Wendl. Fabaceae.

Originally from Australia.

233139 and 233140. *GLYCINE FALCATA* Benth.

Originally from Australia.

233139. C 430.

233140. Q 156.

233141 to 233148. *GLYCINE JAVANICA* L.

233141. C.P.I. 12600. From India.

233142. C.P.I. 13300. From Rhodesia.

233143. C.P.I. 13420. From Kenya.

233144. C.P.I. 16417. From Malaya.

233145. C.P.I. 16673. From Rhodesia.

233146. C.P.I. 16830. From South Africa.

233147. C.P.I. 17185. From Nigeria.

233148. C.P.I. 17673. From Rhodesia.

233149. *CROTALARIA FIHERENENSIS* R. Viguer Fabaceae.

From Madagascar. Plants growing at the United States Plant Introduction Garden, Coconut Grove, Florida. Numbered May 7, 1956.

233150 and 233151. *SACCHARUM* (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Bureau of Sugar Experiment Stations, Brisbane. Received May 7, 1956.

233150. 28 N.G. 253.

233151. 51 N.G. 6.

233152 to 233155.

From Italy. Bulbs presented by Louis K. Mann, Florence. Received May 7, 1956.

233152. *ALLIUM NIGRUM* L. Liliaceae.

Collected in olive orchard near Fiesole.

233153. *ALLIUM* sp.

No. 1. Collected along road, east of San Gualiano, near Pisa.

233154. *ALLIUM* sp.

No. 3. Collected along road, east of San Gualiano, near Pisa.

233155. *ALLIUM* sp.

No. 4. Collected along wall, Fiesole.

233156 to 233158. ORYZA SATIVA L. Poaceae. **Common rice.**

From Indonesia. Seeds presented by the Institute for Agricultural Research, Bogor. Received May 7, 1956.

233156. 'Remadja'.

233157. 'Sigadis'.

233158. 'Tjina'.

233159 to 233161.

From France. Plants presented by LePage & Company, Angers. Received May 8, 1956.

233159. *PYRUS BETULAEFOLIA* Bunge Malaceae.

Birchleaf pear.

233160. *PYRUS COMMUNIS* L.

Common pear.

233161. *CYDONIA OBLONGA* Mill. Malaceae.

Quince.

Cognaissiers de Provence.

233162 to 233171. ZEA MAYS L. Poaceae. **Corn.**

From Israel. Seeds presented by the Government Agricultural Experiment Station, Neveh-Yaar. Received May 8, 1956.

233162. No. 61.

233167. No. 134.

233163. No. 69.

233168. No. 139.

233164. No. 71.

233169. No. 1 b.

233165. No. 118.

233170. CM-1.

233166. No. 123.

233171. S.A.-14.

233172 to 233179.

From Canada. Scions presented by the Experimental Farms Service, Horticulture Division, Ottawa, Ontario. Received May 8, 1956.

233172 to 233175. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

233172. 'Carleton'.

233174. 0-241.

233173. 'Nepean'.

233175. 0-381.

233176 to 233178. *PRUNUS DOMESTICA* L.

Common plum.

233176. 'Charcutus of Kharkoff'.

233177. 0-312.

233178. 0-383.

233179. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

'No-Blight'.

233180 to 233184.

From Japan. Presented by Edward L. Holsten, New York, N.Y. Received May 8, 1956.

233180. *BERBERIS* sp. Berberidaceae.

233181. *CHAENOMELES JAPONICA* (Thunb.) Lindl. Rosaceae.

Flowering quince.

233182. *JUNIPERUS* sp. Pinaceae.

233183. *PINUS PARVIFLORA* Sieb. & Zucc. Pinaceae. Japanese white pine.

233184. *ROSA ROULETTII* Correvon Rosaceae.

Rose.

233185. TRIFOLIUM AFRICANUM Ser. Fabaceae.

Clover.

From the Union of South Africa. Seeds presented by C. V. Porter, Menomonie, Wisconsin. Received May 8, 1956.

233186 to 233214.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 9, 1956, through Amtorg Corp.

233186 to 233190. *ALLIUM CEPA* L. Liliaceae.

Onion.

233186. No. 1.

233189. No. 254.

233187. No. 2.

233190. No. 255.

233188. No. 253-2.

233191 to 233194. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae.

Cabbage.

233191. No. 1428.

233193. No. 1915.

233192. No. 1829.

233194. No. 2070.

233195 to 233202. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

233195. No. 26534.

233199. No. 26948.

233196. No. 26595.

233200. No. 27546.

233197. No. 26693.

233201. No. 27733.

233198. No. 26787.

233202. No. 28909.

233203 to 233211. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

233203. No. 38531. 'Albidium 43'.

233204. No. 34706. 'Albidium 3700'.

233205. No. 28116. 'Alborubrum-Sarrubra'.

233206. No. 13215. 'Caesium-111'.

233207. No. 38440. 'Erythrospermum-Odesskaja 13'.

233208. No. 40583. 'Erythrospermum-Dezenchukskaja 98'.

233209. No. 29912. 'Erythrospermum No. 841'.

233210. No. 38331. 'Lutescens-801'.

233211. No. 18780. 'Melturum No. 321'.

233212 to 233214. *TRITICUM DURUM* Desf.

Durum wheat.

233212. No. 30345. 'Apulicum-Arandany'.

233213. No. 40585. 'Hordeiforme-Sevindz'.

233214. No. 38265. 'Leucurum-AkBugda 13/60'.

233215 to 233221.

From Great Britain. Scions presented by the Royal Botanic Garden, Kew, Richmond, Surrey, England. Received May 9, 1956.

233215. *CAMELLIA HONGKONGENSIS* Seem. Theaceae.

233216. *CAMELLIA OLEIFERA* Abel.

233217. *CAMELLIA PITARDII* Cohen Stuart
'Yunnanica'.

233218 and 233219. *CAMELLIA RETICULATA* Lindl. Netvein camellia.

233218. Unnumbered.

233219. F25352.

233220. *CAMELLIA SINENSIS* (L.) Kuntze Tea.

233221. *CAMELLIA TALIENSIS* (W. W. Smith) Melch.

233222 to 233288.

From Israel. Seeds presented by the Department of Botany, Hebrew University, Jerusalem. Received May 9, 1965.

233222. *HYPARRHENIA HIRTA* (L.) Stapf Poaceae.

233223. *ARGYROLOBIMUM UNIFLORUM* (Dene.) Jaub. & Spach Fabaceae.

233224. *ASTRAGALUS AMALECITANUS* Boiss. Fabaceae. Milkvetch.

233225. *ASTRAGALUS BOETICUS* L. Milkvetch.

233226. *ASTRAGALUS HAMOSUS* L. Milkvetch.

233227. *ASTRAGALUS KAHIRICUS* DC. Milkvetch.

233228. *BRACHYPODIUM DISTACHYON* (L.) Beauv. Poaceae.
Purple falsebrome.

233229. *BROMUS ALOPECURUS* Poir. Poaceae. Bromegrass.

233230. *BROMUS FASCICULATUS* Presl Bromegrass.

233231. *BROMUS LANCEOLATUS* Roth Bromegrass.

233232. *BROMUS RUBENS* L. Foxtail bromegrass.

233233. *BROMUS SCOPARIUS* L. Bromegrass.

233234. *BROMUS STERILIS* L. Poverty bromegrass.

233235. *BROMUS TECTORUM* L. Cheatgrass.

233236. *ELYMUS GENICULATUS* Del. Poaceae. Wildrye.

233237. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.

233238. *GENISTA RAETAM* Forsk. Fabaceae.

233239. *HEDYSARUM SPINOSISSIMUM* var. *CAPITATUM* (Desf.) Beck Fabaceae.

233240. *HIPPOCREPIS BICONTORTA* Loisel. Fabaceae.

233241. *HIPPOCREPIS UNISILIQUEA* L.

233242. *HORDEUM BULBOSUM* L. Poaceae. Bulbous barley.

233243. *HORDEUM MURINUM* L. Barley.

233244. *IMPERATA CYLINDRICA* (L.) Beauv. Poaceae. Cogongrass.

233245. *LUPINUS HIRSUTUS* L. Fabaceae. European blue lupine.

233246. *MEDICAGO BLANCHEANA* Boiss. Fabaceae. Medic.

233247. *MEDICAGO CILIARIS* (L.) All. Medic.

233248. *MEDICAGO CORONATA* (L.) Gaertn. Medic.

233249. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinnars
California burclover.

233222 to 233288—Continued

233250.	MEDICAGO LITTORALIS Rhode	Medic.
233251.	MEDICAGO ORBICULARIS (L.) All.	Buttonclover.
233252.	MEDICAGO RIGIDULA (L.) Desr.	Tifton medic.
233253.	MEDICAGO ROTATA Boiss.	Medic.
233254.	MEDICAGO RUGOSA Desr.	Medic.
233255.	MEDICAGO SCUTELLATA (L.) Mill.	Snail medic.
233256.	MEDICAGO TUBERCULATA (Retz.) Willd.	Cogwheel medic.
233257.	MELICA CUPANI Guss. Poaceae.	Medic.
233258.	ONOBRYCHIS CAPUT-GALLI (L.) Lam. Fabaceae.	Sainfoin.
233259.	ONOBRYCHIS SQUARROSA Viv.	Sainfoin.
233260.	ONONIS ALOPECUROIDES L. Fabaceae.	
233261.	ONONIS ORNITHOPODIOIDES L.	
233262.	ONONIS PUBESCENS L.	
233263.	ONONIS RECLINATA L.	
233264.	ONONIS SICULA Guss.	
233265.	ORYZOPSIS HOLCIFORMIS (Bieb.) Hack. Poaceae.	Ricegrass.
233266.	PANICUM REPENS L. Poaceae.	Torpedograss.
233267.	PENNISETUM ASPERIFOLIUM (Desf.) Kunth Poaceae.	
233268.	PHALARIS PARADOXA L. Poaceae.	Hood canarygrass.
233269.	PSORALEA BITUMINOSA L. Fabaceae.	Scurf-pea.
233270.	SCORPIURUS MURICATA L. Fabaceae.	
233271.	STIPA FONTANESII Parl. Poaceae.	Needlegrass.
233272.	TRIFOLIUM CAMPESTRE Schreb. Fabaceae.	Clover.
233273.	TRIFOLIUM CHERLERI Jusl.	Clover.
233274.	TRIFOLIUM CLYPEATUM L.	Clover.
233275.	TRIFOLIUM CURVISEPALUM Taeckh.	Clover.
233276.	TRIFOLIUM DICHROANTHUM Boiss.	Clover.
233277.	TRIFOLIUM FORMOSUM Urv.	Clover.
233278.	TRIFOLIUM LAPPACEUM L.	Lappa clover.
233279.	TRIFOLIUM PALAESTINUM Boiss.	Clover.
233280.	TRIFOLIUM PILULARE Boiss.	Clover.
233281.	TRIFOLIUM SCABRUM.	Rough clover.
233282.	TRIFOLIUM STELLATUM L.	Clover.
233283.	TRIFOLIUM TOMENTOSUM L.	Woolly clover.
233284.	TRIFOLIUM sp.	
233285.	TRIFOLIUM XEROCEPHALUM Fenzl.	Clover.
233286.	TRIFOLIUM PURPUREUM Loisel.	Clover.
233287.	TRIFOLIUM XEROCEPHALUM Fenzl.	Clover.
233288.	TRITICUM DICOCOIDES var. SPONTANEONIGRUM (Flaks.) Poaceae.	Percival Wheat.
233289.	ORYZA SATIVA L. Poaceae.	Common rice.

From Indonesia. Seeds presented by the Institute for Agricultural Research, Bogor. Received May 10, 1956.

'Peta'.

233290 to 233292. ZEA MAYS L. Poaceae. Corn.

From Argentina. Seeds presented by the Estacion Experimental Nacional, Tezanos, Pinto. Received May 10, 1956.

233290. L. 2310 T.P. (S.D.) **233292.** S.D.

233291. L. 2311 T.P. Dent.

233293 to 233298.

From Greece. Seeds presented by the University of Salonika, Salonika. Received May 11, 1956.

233293. ABIES CEPHALONICA Loud. Pinaceae. **Greek fir.**

233294. CUPRESSUS SEMPERVIRENS var. HORIZONTALIS (Mill.) Gord. Pinaceae. **Spreading Italian cypress.**

233295. CUPRESSUS SEMPERVIRENS var. STRICTA Ait. **Italian cypress.**

233296. PINUS HALEPENSIS Mill. Pinaceae. **Aleppo pine.**

233297. PINUS NIGRA Arnold. **Austrian pine.**

233298. PINUS PINEA L. **Italian stone pine.**

233299. CASSIA DESOLATA F. Muell. Caesalpinaceae. Senna.

From Australia. Seeds presented by Albert de Lestang, Camooweal, North Queensland. Received May 11, 1956.

233300 to 233303. LINUM USITATISSIMUM L. Linaceae.

Common flax.

From Hungary. Seeds presented by the Mezogazdasagi, Kulatoinieze, Martonvasar. Received May 11, 1956.

233300. 'Beta 88'. **233302.** 'Beta 201'.

233301. 'Beta 91'. **233303.** 'Szerepi'.

233304. SORGHUM MEMBRANACEUM Chiov. Poaceae.

From India. Seeds presented by the Vivekananda Laboratory, Almora, United Province. Received May 14, 1956.

'Ehrenbergianum'.

233305 to 233308.

From Denmark. Seeds presented by Soren Levinsen, Virum. Received May 14, 1956.

233305 and 233306. PICEA ABIES (L.) Karst. Pinaceae. Norway spruce.

233305. Originally from Wisla-Istebna, Poland.

233306. Originally from Bulgaria.

233307. LARIX DECIDUA Mill. Pinaceae. European larch.

'Sudetica'. Originally from Warsaw, Poland.

233308. LARIX SIBIRICA Ledeb. Siberian larch.

Originally from Krasnovarsk, Kakaut, Poland.

233309 to 233311. CERATONIA SILIQUA L. Caesalpinaceae. Carob.

From Israel. Cuttings presented by the Department of Agriculture, Haifa. Received May 14, 1956.

233309. A.A. 3. Trees at Athlit established about 50 years ago; medium vigor; yield heavy and consistent.

233310. 'Faradiya Male'. Experimental Station, Faradiya, Gallilee. Outstanding long-blooming period.

233311. 'Improved Sandalawy'. Trees at Athlit, established about 50 years ago, fruits dependably, exceptionally vigorous.

233312 to 233323. ZEA MAYS L. Poaceae. Corn.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered May 14, 1956.

Inbred lines of sweet corn developed at the Agricultural Experiment Station, College Station, South Dakota.

233312. S.D. No. 42. Selection P-39.

233313. S.D. No. 176. Selection 'Golden Sunshine'.

233314. S.D. No. 226. Selection 'Golden Market'.

233315. S.D. No. 277. Selection 'Golden Cross Bantam'.

233316. S.D. No. 469. Selection 'Borden's Wonder Bantam'.

233317. S.D. No. 592. Selection 'Bloomcross'.

233318. S.D. No. 789. Selection Experimental Hybrid.

233319. S.D. No. 829. Selection 'Burbank Bantam'.

233320. S.D. No. 883. Selection P-33.

233321. S.D. No. 808. Selection C-98A.

233322. S.D. No. 909. Selection P-39.

233323. S.D. No. 884. Selection U.S.D.A. 1313.

233324 to 233328.

From France. Seeds presented by the Jardin Botanique, Besancon, Doubs. Received May 15, 1956.

233324. LINUM AFRICANUM L. Linaceae. African flax.
No. 878.

233325. LINUM CATHARTICUM L. Flax.
No. 882.

233326. LINUM FLAVUM L. Golden flax.
No. 883.

233327. LINUM NARBONENSE L. Narbonne flax.
No. 884.

233328. LINUM TENUIFOLIUM L. Slimleaf flax.
No. 885.

233329. SYMPHYTUM OFFICINALE L. Boraginaceae. Common comfrey.

From Canada. Roots presented by Bodie Seeds Ltd., Winnipeg, Manitoba. Received May 15, 1956.

23330 to 233337. ZEA MAYS L. Poaceae. Corn.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered May 16, 1956.

Originally introduced from South Africa by the Agricultural Experiment Station, Knoxville, Tenn.

233330. 'Blythe Early'. **233334.** 'Kenya Maize'.

233331. 'Early Pearl'. **233335.** 'Sahara'.

233332. 'Golden Beauty'. **233336.** 'White Boesman'.

233333. 'Jackson White Dent'. **233337.** 'Woodgate'.

233338. CITRUS AURANTIFOLIA (Christm.) Swingle Rutaceae.**Lime.**

From French Guinea. Seeds presented by the Institut des Fruits et Agrumes
 Coloniaux, Kindia. Received May 16, 1956.

'Citron Gallet'.

233339 to 233537. ZEA MAYS L. Poaceae.**Corn.**

From the Union of South Africa. Seeds presented by the College of Agriculture,
 Potchefstroom, Transvaal. Received Apr. 27, 1956.

233339 to 233493. From the Department of Agriculture, Pietermaritzburg,
 Natal.

233339 to 233346. White Inbreds.

233339. A208P.

233340. A1624WS.

233341. D142P.

233342. N3-2-3-3-N5 (Rhod.)

233343. N3-2-3-3 (Rhod.)

233344. P.B.S. 5311 (Rhod.)

233345. NR 538 (Rhod.)

233346. G531 (Rhod.)

233347 to 233399. Whites S₂.

233347. E 2619 P.

233348. E 2621 P.

233349. E 2629 P.

233350. E 2633 P.

233351. E 2634 P.

233352. E 2635 P.

233353. E 2636 P.

233354. E 2737 P.

233355. E 2739 P.

233356. E 2640 P.

233357. E 2641 P.

233358. E 2643 P.

233359. E 2645 P.

233360. E 2647 P.

233361. E 2655 P.

233362. E 2658 P.

233363. E 2659 P.

233364. E 2663 P.

233365. E 2665 P.

233366. E 2666 P.

233367. E 2668 P.

233368. E 2669 P.

233369. E 2671 P.

233370. E 2673 P.

233371. E 2675 P.

233372. E 2677 P.

233373. E 2678 P.

233374. E 2682 P.

233375. E 2683 P.

233376. E 2685 P.

233377. E 2686 P.

233378. E 2687 P.

233379. E 2689 P.

233380. E 2692 P.

233381. E 2693 P.

233382. E 2696 P.

233383. E 2697 P.

233384. E 2698 P.

233385. E 2700 P.

233386. E 2701 P.

233387. E 2702 NW.

233388. E 2707 P.

233389. E 2708 SK.

233390. E 2709 SK.

233391. E 2711 NW.

233392. E 2712 NW.

233393. E 2713 NW.

233394. E 2716 NW.

233395. E 2717 NW.

233396. E 2719 NW.

233397. E 2721 NW.

233398. E 2723 W.C.

233399. 2724 P.

233339 to 233537—Continued

233400 to 233420. Yellow Inbreds.

233400.	B 9S.	233411.	B 581 T.
233401.	B 97 S.	233412.	B 585 T.
233402.	B 238S.	233413.	B 600 T.
233403.	B 311S.	233414.	B 659 T.
233404.	B 320S.	233415.	B 696 T.
233405.	B 328S.	233416.	B 756 T.
233406.	B 360S.	233417.	B 858 T.
233407.	B 2895 S (Brace root).	233418.	B 878 T.
233408.	21A Australian.	233419.	B 2900 T.
233409.	B 513 T.	233420.	D 2796 T.
233410.	B 531 T.		

233421 to 233493. Yellow S2.

233421.	E 191 S.	233450.	E 259 S.
233422.	E 193 S.	233451.	E 260 S.
233423.	E 199 S.	233452.	E 261 S.
233424.	E 200 S.	233453.	E 263 S.
233425.	E 204 S.	233454.	E 264 S.
233426.	E 205 S.	233455.	E 270 S.
233427.	E 211 S.	233456.	E 271 S.
233428.	E 213 S.	233457.	E 274 S.
233429.	E 214 S.	233458.	E 276 S.
233430.	E 220 S.	233459.	E 279 S.
233431.	E 223 S.	233460.	E 281 S.
233432.	E 225 S.	233461.	E 282 S.
233433.	E 226 S.	233462.	E 283 S.
233434.	E 227 S.	233463.	E 284 S.
233435.	E 232 S.	233464.	E 285 S.
233436.	E 233 S.	233465.	E 286 S.
233437.	E 234 S.	233466.	E 290 S.
233438.	E 239 S.	233467.	E 291 S.
233439.	E 241 S.	233468.	E 294 S.
233440.	E 242 S.	233469.	E 295 S.
233441.	E 247 S.	233470.	E 299 S.
233442.	E 250 S.	233471.	E 300 S.
233443.	E 251 S.	233472.	E 301 S.
233444.	E 252 S.	233473.	E 302 S.
233445.	E 254 S.	233474.	E 305 S.
233446.	E 255 S.	233475.	E 306 S.
233447.	E 256 S.	233476.	E 307 S.
233448.	E 257 S.	233477.	E 308 S.
233449.	E 258 S.	233478.	E 309 S.

233339 to 233537—Continued

233479.	E 310 S.	233487.	E 324 S.
233480.	E 312 S.	233488.	E 325 S.
233481.	E 314 S.	233489.	E 326 S.
233482.	E 317 S.	233490.	E 327 S.
233483.	E 319 S.	233491.	E 330 T.
233484.	E 321 S.	233492.	E 331 T.
233485.	E 322 S.	233493.	E 333 T.
233486.	E 323 S.		

233494 to 233537. From the College of Agriculture, Potchefstroom.

- 233494. Australian 21A 50 kernels.
- 233495. A 22.
- 233496. A 22-51-52; $\times$ 3a: 37-61.
- 233497. A 441-5 $\times$ B1138 T.
- 233498. A 508A.
- 233499. A 710 H.
- 233500. B 659T.
- 233501. B 696T.
- 233502. B 1138T.
- 233503. G 531.
- 233504. F 717-1(2a).
- 233505. F 725-1(2a).
- 233506. F 725-1(3a).
- 233507. F 725-2(1a).
- 233508. F 725-2 (2b).
- 233509. F 725-2(2c).
- 233510. F 726-1(1a).
- 233511. F 726-2(1a).
- 233512. F 749-2(1a).
- 233513. F 692-1(3b).
- 233514. ITE 701.
- 233515. K 41.
- 233516. K 64.
- 233517. K4-Ky 36-11 (2nd selec).
- 233518. K4-Ky 36-11 $\times$ B1138T.
- 233519. K4-Ky 36-11 $\times$ B6707.
- 233520. N3-2-3-3.
- 233521. NR 538 (Rhodesian).
- 233522. PES 5311.
- 233523. P4037.
- 233524. Ky 27 ms $\times$ A14 55:Y4:1493.
- 233525. Ky 27 ms $\times$ R6 55:Y4:1485.
- 233526. Ky 27 ms $\times$ K6 55:Y6:1490.

233339 to 233537—Continued

233527. Ky 27 ms $\times$ R7 55:X4:1488.
 233528. K64 55:Y6A:41.
 233529. T $\times$ 61 ms $\times$ A143/ 55:Y40:1308.
 233530. T $\times$ 61 ms $\times$ E1843/ 55:4D:1329.
 233531. T $\times$ 61 mx $\times$ K41 55:Y4:1399 $\times$ 1600.
 233532. T $\times$ 61 ms $\times$ K644/ 55:Y40:1274.
 233533. T $\times$ 61 ms Ky 209 55:Y6:13388-1389.
 233534. 33-16 Ky 27 ms $\times$ K554/ 55:Y6D:1262.
 233535. 33-16 $\times$ A507 H & recip.
 233536. 33-16 $\times$ A710 H & recip.
 233537. Gobi Yellow.

233538. CAMELLIA SINENSIS (L.) Kuntze Theaceae. Tea.

From Peru. Seeds presented by the Estacion Experimental Agricola, Tingo Maria. Received May 17, 1956.

'Indigena'.

233539 to 233548. ZEA MAYS L. Poaceae. Corn

From Israel. Seeds presented by the Government Agricultural Experiment Station, Neveh-Yaar. Received May 17, 1956.

- | | |
|-----------------------|-----------------------------|
| 233539. CLF Nc 3. | 233544. S-2 e 1. |
| 233540. C M-1. | 233545. S-3 e 11. |
| 233541. LP-7. | 233546. S.A. 302-1 No. 1. |
| 233542. LU-1 No. 1 b. | 233547. S.A. 272-2-1 No. 4. |
| 233543. No. 118. | 233548. No. 12. |

233549. ERAGROSTIS CURVULA (Schrad.) Nees Poaceae. Weeping lovegrass.

From the Union of South Africa. Seeds presented by P. Bydendyck, Kynochod Ltd., Kimberley, Cape Province. Received May 18, 1956.

'Andalusia Strain'.

233550. PINUS SYLVESTRIS L. Pinaceae. Scotch pine.

From Denmark. Seeds presented by Soren Levinsen, Virum. Received May 18, 1956.

233551. SESBANIA SESBAN (L.) Merr. Fabaceae.

From Okinawa. Seeds presented by the Far East Air Force, Naha. Received May 18, 1956.

'Koa Haole' (Hawaiian name); 'Ipil-Ipil' (Okinawan name).

233552 to 233554.

From Paraguay. Seeds presented by the Food and Agriculture Organization, Asuncion. Received May 18, 1956.

From land of the Agricultural School, Pilar.

- | | |
|---|--------------|
| 233552. LUPINUS sp. Fabaceae. | |
| 233553. PANICUM MAXIMUM Jacq. Poaceae. | Guineagrass. |
| 233554. TRIFOLIUM POLYMORPHUM Poir. Fabaceae. | Clover. |

233555. EUCHLAENA MEXICANA Schrad. Poaceae.**Mexican teosinte.**

From Guatemala. Seeds presented by the Servicio Cooperativo, Inter-Americano de Agricultura, Guatemala City. Received May 18, 1956.

233556 to 233559. CITRULLUS VULGARIS Schrad. Cucurbitaceae.**Watermelon.**

From Japan. Seeds presented by the Agricultural Experiment Station, Matamaru, Gifu City, Gifu. Received May 18, 1956.

233556. 'Asahi'. (tetraploid.)**233557.** 'Asahi' × 'Asahi'. (triploid.)**233558.** 'Asahi' (tetraploid) × 'Early Canada' (triploid.)**233559.** 'Fumin' (tetraploid) × 'Congo' (triploid.)**233560. PASPALUM DILATATUM Poir. Poaceae.****Dallisgrass.**

From Uruguay. Seeds presented by Carrol Deyoe, Escuela de Practica y Campo Experimental de Agronomia, Paysandu. Received May 18, 1956.

233561. TRIGONELLA SUAVISSIMA Lindl. Fabaceae.

From Australia. Seeds presented by the Botanic Museum and Herbarium, Botanic Gardens, Brisbane, Queensland. Received May 18, 1956.

233562. PHILADELPHUS MICROPHYLLUS Gray Hydrangeaceae.**Mockorange.**

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered May 21, 1956.

(B-40685) Originally received Feb. 14, 1949, from the Arnold Arboretum, Jamaica Plain, Mass.

233563 to 233569.

From Australia. Seeds presented by the Plant Introduction Section, Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 21, 1956.

233563 to 233567. PASPALUM DILATATUM Poir. Poaceae.**Dallisgrass.****233563.** Q13.**233566.** 17230.**233564.** 9211.**233567.** 17231.**233565.** 11814.**233568 and 233569. PASPALUM PAUCICILIATUM (Parodi) Herter****233568.** 11824.**233569.** 11859.**233570. CAMELLIA RETICULATA Lindl. Theaceae. Netvein camellia.**

From China. Scions presented by the National Taiwan University, Taipei, Taiwan. Received May 22, 1956.

'South Mountain'.

233571. BAUHINIA ACUMINATA L. Caesalpinaceae Snowy bauhinia.

From India. Seeds presented by the University of New Delhi, New Delhi. Received May 22, 1956.

233572. KHAYA SENEGALENSIS (Desr.) Juss. Meliaceae.

From Cuba. Seeds presented by the Atkins Garden, Soledad, Cienfuegos. Received May 22, 1956.

233573 to 233578.

From Hong Kong. Seeds presented by the Garden Department, Victoria, through E. A. Menninger, Stuart, Florida. Received May 22, 1956.

233573. *ALTINGIA CHINENSIS* Oliver Hamamelidaceae.
 233574. *ALYXIA SINENSIS* Champ. Apocynaceae.
 233575. *BAUHINIA GLAUCA* Wall. Caesalpiniaceae.
 233576. *MILLETTIA PULCHRA* Benth. Fabaceae.
 233577. *RADERMACHERA SINICA* (Hance) Hemsl. Bignoniaceae.
 233578. *SCHIMA NORONHA* Reinw. ex Blume Theaceae.

233579 and 233580. CERATONIA SILIQUA L. Caesalpiniaceae. Carob.

From Sicily. Cuttings presented by the Stazione Sperimentale di Agromicoltura e di Frutticoltura, Acireale. Received May 22, 1956.

233579. 'Saccarata'.
 233580. 'Tantillo'.

233581 to 233588.

From the Union of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch Newlands, Cape Province, through E. A. Menninger, Stuart, Florida. Received May 23, 1956.

233581. *ADHATODA DUVERNOIA* C. B. Clarke Acanthaceae.
 233582. *BURCHELLIA CAPENSIS* (L.f.) R.Br. Rubiaceae.
 233583. *CRASSULA FALCATA* Wendl. Crassulaceae.
 233584. *GREYIA RADLKOFERI* Szysz. Melianthaceae.
 233585. *HYPERICUM LANCEOLATUM* Lam. Hypericaceae.
 233586. *LEUCOSPERMUM REFLEXUM* Buek. Protaceae.
 233587. *RAUVOLFIA CAFFEA* Sond. Apocynaceae. Devilpepper.
 233588. *THUNBERGIA ALATA* Boj. Acanthaceae. Black-eyed clockvine

233589 to 233624. HEVEA (hybrids) Euphorbiaceae. Rubber tree.

From the United States. Clones held at the United States Plant Introduction Station, Coconut Grove, Florida. Numbered May 23, 1956. Received May 7, 1956, from the International Cooperation Administration, Turrialba, Costa Rica; originally from Belem, Para, Brazil.

(*H. brasiliensis* × (*H. brasiliensis* × *H. benthamiana*)). One parent of each of the following clones was a high-yielding *H. brasiliensis*, the other clone was an F-1 between *H. brasiliensis* and *H. benthamiana*. All are backcrosses or out crosses and all are one-fourth *H. benthamiana* and three-fourths *H. brasiliensis*. In all cases the *H. benthamiana* parent was F-4542. Resistant to South American leaf blight, caused by *Dothidella olei* P. Henn., with little or no sporulation except for IAN 3409, 3434, 3763, 3457, 3478, 3527, 3534, 3651, and 3816. All are considered sufficiently resistant for field or breeding use if other factors warrant it.

- | | |
|------------------------------|------------------------------|
| 233589. IAN 2225. PIG 15172. | 233598. IAN 2923. PIG 15182. |
| 233590. IAN 2229. PIG 15173. | 233599. IAN 2926. PIG 15183. |
| 233591. IAN 2576. PIG 15174. | 233600. IAN 2892. PIG 15181. |
| 233592. IAN 2830. PIG 15175. | 233601. IAN 2935. PIG 15184. |
| 233593. IAN 2861. PIG 15176. | 233602. IAN 2951. PIG 15185. |
| 233594. IAN 2867. PIG 15177. | 233603. IAN 2953. PIG 15186. |
| 233595. IAN 2872. PIG 15178. | 233604. IAN 2973. PIG 15187. |
| 233596. IAN 2884. PIG 15179. | 233605. IAN 3409. PIG 15188. |
| 233597. IAN 2887. PIG 15180. | 233606. IAN 3434. PIG 15189. |

233589 to 233624—Continued

233607. IAN 3702. PIG 15199.	233616. IAN 3649. PIG 15197.
233608. IAN 3763. PIG 15202.	233617. IAN 3651. PIG 15198.
233609. IAN 3457. PIG 15190.	233618. IAN 3786. PIG 15203.
233610. IAN 3460. PIG 15191.	233619. IAN 3787. PIG 15204.
233611. IAN 3601. PIG 15195.	233620. IAN 3716. PIG 15200.
233612. IAN 3478. PIG 15192.	233621. IAN 3722. PIG 15201.
233613. IAN 3527. PIG 15193.	233622. IAN 3803. PIG 15205.
233614. IAN 3534. PIG 15194.	233623. IAN 3804. PIG 15206.
233615. IAN 3646. PIG 15196.	233624. IAN 3816. PIG 15207.

233625 and 233626. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Bureau of Sugar Experiment, Brisbane, Queensland. Received May 24, 1956.

233625. I 233.

233626. Q 2.

233627. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Hawaii. Seeds presented by the Hawaiian Sugar Planters Association, Honolulu. Received May 28, 1956.

'Kamphaeng Phet' (Thailand 7).

233628 to 233633.

From Mexico. Seeds presented by J. Redowski, San Luis Potosi City. Received May 25, 1956.

233628. ZINNIA sp. Asteraceae.

No. 1.

233629. ZINNIA sp.

No. 2.

233630. ZINNIA sp.

No. 3.

233631. ZINNIZ sp.

No. 4.

233632. ZINNIA sp.

No. 5.

233633. ZINNIA sp.

No. 6.

233634. PYRUS CALLERYANA Decaisne Malaceae. Callery pear.

From Australia. Scions presented by the Gosford Citrus Experiment Station, Narara, New South Wales. Received May 28, 1956.

D-6 Clone has given consistently good results as a stock for all varieties tried; said to be very hardy, vigorous and particularly easy to propagate.

233635 to 233638.

From China. Cuttings presented by Paul Zehngraff, Army Post Office 63, (Taiwan) San Francisco, Calif. Received May 28, 1956.

233635. CAMELLIA sp. Theaceae.

No. 1. Dwarf, leaves dark green; flowers double, deep red.

233635 to 233638—Continued**233636.** *CAMELLIA* sp.

No. 2. Erect; leaves light green; flowers double, white.

233637 and 233638. *CAMELLIA SASANQUA* Thunb.**233637.** No. 3. Erect; flowers single, pink.**233638.** No. 4. Erect; flowers double, white.**233639 to 233644.**

From Japan. Cuttings presented by the Tokyo University, Tokyo. Received May 28, 1956.

From Niigata Prefecture.

233639 to 233643. *CAMELLIA RUSTICANA* Honda. Theaceae.**233639.** A. First 'Pink-Plena'.**233642.** B. First 'White-Plena'.**233640.** A-1. Second 'Plena-Red'.**233643.** B-1. Second 'Plena-White'.**233641.** A-2. Third 'Plena-Red'.**233644.** *LIRIODENDRON CHINENSE* (Hemsl.) Sarg. Magnoliaceae.

From Kyoto Prefecture.

233645. *SENECIO DORIA* L. Asteraceae.

From Puerto Rico. Plants held at the United States Plant Introduction Station, Glenn Dale, Md. Numbered May 29, 1956. Originally from the Federal Experiment Station, Mayaguez.

233646. *CUCUMIS SATIVUS* L. Cucurbitaceae.**Cucumber.**

From Ethiopia. Seeds held at the Regional Plant Introduction Station, Experiment, Ga. Numbered May 31, 1956.

Received with P.I. 193490.

233647 to 233651. *SACCHARUM* (hybrids). Poaceae.**Sugarcane.**

From Costa Rica. Cuttings presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received June 4, 1956.

233647. 'Bambu'.**233650.** 'Sorensi'.**233648.** 'Castilla'.**233651.** 'Zopilata'.**233649.** 'Japonesa'.**233652.** *ORMOSIA* sp. Fabaceae.

From Panama. Seeds presented by the Servicio Inter-Americano de Cooperacion, Agricola en Panama, Panama City.

Received June 4, 1956.

233653 to 233659.

From the Canary Islands. Seeds presented by Andres Garcia Cabezon, Puerto de la Cruz, Tenerife. Received June 4, 1956.

Countries indicated are the original sources.

233653. *RUMEX ACETOSA* L. Polygonaceae.**Garden sorrel.**

From Germany.

233654. *RUMEX AQUATICUS* L.**Pond dock.**

From Norway.

233655. *RUMEX ORIENTALIS* Bernh.**Dock.**

From Norway.

233653 to 233659—Continued**233656. RUMEX PATIENTIA L.****Patience dock.**

From Norway.

233657. RUMEX PULCHER L.**Fiddleleaf dock.**

From Italy.

233658. RUMEX TRIANGULIVALVIS (Dans) K. H. Rech.**Dock.**

From Norway.

233659. RUMEX sp.From Germany. Received as *R. crispus*, but seeds are not that species.**233660. ORYZA SATIVA L. Poaceae.****Common rice.**

From Malaya. Seed presented by the Department of Agriculture, Federation of Malaya, Kuala Lumpur. Received June 5, 1956.

'Seri Raja'.

233661. SOPHORA MICROPHYLLA Ait. Fabaceae.

From New Zealand. Seeds collected by E. G. Nelson, Field Crops Research Branch, Beltsville, Md. Received June 5, 1956.

'Kowhai'. From Christchurch.

233662 to 233665. ORYZA SATIVA L. Poaceae.**Common rice.**

From Thailand. Seeds presented by the Regional Office for Asia and the Far East, Maliwan Mansion, Phra Atit Road, Bangkok. Received June 5, 1956.

233662. 'Kaoshiang 27'.**233664. 'Pibifun'.****233663. 'Lomello'.****233665. 'R. 77'.****233666. LILIUM TSINGTAUENSE Gilg Liliaceae.****Lily.**

From Korea. Plants growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered June 6, 1956.

Originally received with P.I. 200314, from the vicinity of Kumwha.

233667. LOLIUM MULTIFLORUM Lam. Poaceae.**Italian ryegrass.**

From Uruguay. Seeds presented by the Food and Agriculture Organization of the United Nations, Montevideo. Received June 7, 1956.

233668 to 233687. ZEA MAYS L. Poaceae.**Corn.**

From Egypt. Seeds presented by the Ministry of Agriculture, Plant Breeding Section, Giza-Orman. Received June 7, 1956.

233668 to 233674. Double cross.**233668. G.H. 51.****233672. G.H. 90.****233669. G.H. 53.****233673. G.H. 93.****233670. G.H. 66.****233674. G.H. 110.****233671. G.H. 67.****233675 to 233687. Three-way crosses.****233675. (K 55 × K 64) × G2.****233676. (K 55 × K 64) × G3.****233677. (K 55 × K 64) × G4.****233678. (K 55 × K 64) × G10.****233679. (K 55 × K 64) × G102.****233680. (K 55 × K 64) × G202.****233681. (K 55 × K 64) × G205.**

233668 to 233687—Continued**233682.** (K 55 × K 64) × G207.**233683.** (K 55 × K 64) × G209.**233684.** (K 55 × K 64) × G210.**233685.** (K 55 × K 64) × G216.**233686.** (K 55 × K 64) × MR533.**233687.** (K 55 × K 64) × T. S-2-18 × T.S.-2-18.**233688.** *PERSEA AMERICANA* Miller Lauraceae.**Avocado.**

From Mexico. Plant growing at the United States Plant Introduction Garden, Coconut Grove, Fla. Numbered June 7, 1956.

'Toltec'. Seedling originally found in the Rodiles Grove, Atlitxco, Puebla. Leaves glossy green; fruits relatively small, freely produced; seeds large.

233689. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae.**Blue lupine.**

From Germany. Seeds presented by the Max-Planck Institute für Zuchtforschung, Cologne. Received June 7, 1956.

Strain 7003.

233690 to 233697.

From Great Britain. Plants growing at the Potato Introduction Project, Sturgeon Bay, Wisconsin. Numbered June 11, 1956.

From Dr. J. C. Hawkes, Botany Department, University of Birmingham, Edgbaston, Birmingham, England.

233690. *SOLANUM OPLOCENSE* Hawkes Solanaceae.

CPC 2503/5.

233691. *SOLANUM SETULOSISTYLUM* Bitter

Hawkes H.41.

233692 and 233693. *SOLANUM SPARSIPILUM* (Bitter) Juz. & Buk.**233692.** Hawkes H.32/2.**233693.** Hawkes H.33/2.**233694.** *SOLANUM SUCRENSE* Hawkes

CPC 2058.

233695 to 233697. *SOLANUM* (hybrids).**233695.** Hawkes H.16. (*S. soukupii* × *yabari*) × (CPC 531.11 × 1490).**233696.** Hawkes H.21. (*S. multidissectum* × *soukupii*) × (CPC 307.6.3 × 531.5).**233697.** Hawkes H.84. (*S. stenotomum* × *rybinii*) × (CPC 1558 × 2212).**233698.** *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.**Chiloe strawberry.**

From Chile. Plants presented by the Ministry of Agriculture, Santiago. Received June 11, 1956.

Mountains of southern Chile.

233699 and 233700.

From Italy. Collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received June 11, 1956.

233699. *Dioscorea* sp. Dioscoreaceae.

Col. No. 15921. San Luce Circeo. May 27, 1956. Vine small; tubers small, white.

233700. *Urginea maritima* (L.) Baker Liliaceae.

Sea-onion.

Col. No. 15926. Near Altamura about 40 km. south of Bari, May 30, 1956. Elevation 520 meters. Plant perennial; bulb purplish, cespitose.

233701. *Triticum aestivum* L. Poaceae.

Common wheat.

From Japan. Seeds presented by the Tohoku National Agricultural Experiment Station, Morioka, Iwate Prefecture. Received June 12, 1956.

'Norin 6'.

233702. *Gossypium* (hybrid). Malvaceae.

Cotton.

From the Sudan. Seeds presented by the Cotton Breeding Section, Shambat, North Khartoum. Received June 13, 1956.

WB2—2/55-56.

233703 to 233706.

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received June 13, 1956.

233703. *Oryza grandiglumis* Prodoehl Poaceae.

Rice.

Originally from French Guiana.

233704 and 233705. *Oryza latifolia* Desv.

Broadleaf rice.

233704. No. 1.

233705. No. 2. Originally from French Guiana.

233706. *Oryza sativa* L.

Common rice.

Dima-VD 5096/25.

233707. *Phalaris* (hybrid). Poaceae.

Canarygrass.

From the Union of South Africa. Stolons presented by Louis Mann, American Embassy, Pretoria. Received June 16, 1956.

(*P. aquatica* × *arundinacea*.) Plant grows well in high elevations where summers are cool and moisture adequate. Quick grower, to 4 feet high; long lived; very palatable.

233708 to 233723.

From Italy. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received June 15, 1956.

233708. *Asphodeline lutea* (L.) Reichb. Liliaceae.

Col. No. 15925. Near Altamura, about 40 km. south of Bari. May 30, 1956. Perennial herb used in medicine.

233709. *Avena fatua* L. Poaceae.

Wild oats.

Col. No. 15918. San Luce Circeo. May 26, 1956.

233710. *Linum* sp. Liniaceae.

Col. No. 15922. Rocky limestone slope, San Luce Circeo. May 27, 1956. Slender annual to 40 cm. high.

233708 to 233723—Continued**233711 to 233715. MEDICAGO SATIVA L. Fabaceae.****Alfalfa.**

Presented by the Istituto de Genetica, Rome.

233711. Col. No. 15911. 'Ascolana'. Ascoli. May 23, 1956.**233712.** Col. No. 15912. 'Molisana'. Molise. May 25, 1956.**233713.** Col. No. 15913. 'San Pastori'. Istituto de Genetica de Cerealo-cultura, Rome. May 25, 1956. Disease resistant.**233714.** Col. No. 15914. 'Umbra'. Umbria. May 25, 1956.**233715.** Col. No. 15915. 'Alfa Alfa'. Rome. May 25, 1956. Swedish variety.**233716. PHALARIS AQUATICA L. Poaceae.****Large canarygrass.**

Col. No. 15916. Tor Mancina Province. May 26, 1956. Plant caney, about 1 meter high in test plot.

233717. SANGUISORBA MINOR Scop. Rosaceae.**Small burnet.**

Col. No. 15920. 'Burnet'. Rocky limestone soil, San Luce Circeo. May 27, 1956. Erect-spreading annual herb.

233718. TRIFOLIUM CAMPESTRE Schreb. Fabaceae.**Clover.**

Col. No. 15930. Near Castel del Monte, west of Bari. May 30, 1956. Elevation 500 meters. Erect annual, diffuse, to 2.5 dm. high.

233719. TRIFOLIUM HIRTUM All.**Clover.**

Col. No. 15919. Rocky limestone soil, San Luce Circeo. Mar. 27, 1956. Erect annual.

233720. TRIFOLIUM SQUARROSUM L.

Col. No. 15917. Istituto Sperimentale per la Zootechnia, 28 km. north of Rome. May 26, 1956. An erect, diffuse, leafy biennial forming a dense cover, about 50 cm. high; excellent forage prospect.

233721. TRIFOLIUM STELLATUM L.**Clover.**

Col. No. 15929. Near Castel del Monte, west of Bari. May 30, 1956. Elevation 500 meters. Stony soil in old pasture. Erect spring annual.

233722. TRIFOLIUM TOMENTOSUM L.**Woolly clover.**

Col. No. 15927. Rocky old pasture near Castel del Monte, west of Bari. May 30, 1956. Elevation 500 meters. Small erect, diffuse, winter-spring annual.

233723. TRIFOLIUM NIGRESCENS Viv.**Clover.**

Col. No. 15923. Old pasture near Altamura, about 40 km. south of Bari. May 30, 1956. Diffuse annual; flowers white.

233724 to 233726. GOSSYPIUM ARBOREUM L. Malvaceae.**Asiatic tree cotton.**

From India. Seeds presented by the Institute of Plant Industry through the Agricultural Attache, Indore. Received June 18, 1956.

233724. 'Malvi Green' × 'Malvi Deficient F2'—Reference 55'–50–6.**233725.** 'Malvi Green' × 'Malvi Deficient F2'—Reference 55'–50–7.**233726.** 'Malvi Green' × 'Malvi Deficient F2'—Reference 55'–50–8.

233727 and 233728.

From India. Seeds presented by the Indian Council of Agricultural Research, New Delhi. Received June 18, 1956.

233727. *PHASEOLUS ACONITIFOLIUS* Jacq. Fabaceae.

Moth bean.

Type 4301-12. Selection from Agra (United Province). Spreading.

233728. *PHASEOLUS MUNGO* L.

Urd.

Type 9. Selection from Bareilly (United Province). Plant erect, early.

233729 to 233750.

From Italy. Plants collected by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received June 18, 1956.

Collected June 7, 1956.

233729. *ASTRAGALUS* sp. Fabaceae.

Col. No. 15949. Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Spreading perennial; flowers whitish.

233730. *BRACHYPODIUM* sp. Poaceae.

Col. No. 15944. Northern Apennines, between Parma and Spezzia. Elevation 2,500 feet. Tufted perennial; dense leaf crown.

233731. *FESTUCA* sp. Poaceae.

Col. No. 15943. Rocky knoll in shallow soil, Northern Apennines between Parma and Spezzia. Elevation 2,500 feet. Low xerophytic perennial.

233732. *LOTUS CORNICULATUS* L. Fabaceae.

Birdsfoot trefoil.

Col. No. 15934. Rocky pasture 23 miles south of Bologna, road to Florence. Elevation 3,000 feet. Spreading perennial.

233733. *LOTUS* sp.

Col. No. 15946. Northern Apennines between Parma and Spezzia. Elevation 2,500 feet.

233734. *LOTUS* sp.

Col. No. 15947. Thin, stony soil, Northern Apennines between Parma and Spezzia. Elevation 2,500 feet. Spreading perennial.

233735. *LOTUS* sp.

Col. No. 15956. Meadow, Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Spreading perennial herb; flowers yellow.

233736. *LOTUS* sp.

Col. No. 15957. Sod in meadow Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Perennial; flowers small.

233737. *LOTUS* sp.

Col. No. 15958. Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Vigorous perennial herb; flowers yellow.

233738. *LOTUS* sp.

Col. No. 15959. Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Small pubescent perennial.

233739. *SPIRANTHES* sp. Orchidaceae.

Col. No. 15960. Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Flowers in racemes, dark-lavender. Ornamental.

233729 to 233750—Continued**233740 to 233745.** *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.****233740.** Col. No. 15932. Stony pasture, 23 miles south of Bologna, along road to Florence. Elevation 3,000 feet. Erect perennial herb, diffuse, sparingly scattered.**233741.** Col. No. 15948. Rocky soil, Apennine Mountains between Parma and Spezzia. Elevation 2,500 feet. Plants small.**233742.** Col. No. 15951. Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Abundant low spreading perennial; sod-forming.**233743.** Col. No. 15952. Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Many-stemmed erect perennial, to 10 inches high.**233744.** Col. No. 15953. Meadow, Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Plant solitary, to 1 foot high.**233745.** Col. No. 15954. Apennine Mountains between Parma and Spezzia. Dwarf variety forming low, leafy sod.**233746 and 233747.** *TRIFOLIUM REPENS* L. Fabaceae. **Whiteclover.****233746.** Col. No. 15931. Stony pasture 23 miles south of Bologna, road to Florence. Elevation 3,000 feet. Low, turf-forming perennial, mixed with legumes and grasses.**233747.** Col. No. 15955. Meadow, Apennine Mountains between Parma and Spezzia. Plant low, sod-forming.**233748.** *TRIFOLIUM MONTANUM* L. **Clover.**

Col. No. 15945. Rocky soil, Northern Apennines between Parma and Spezzia. Elevation 2,500 feet. Erect perennial; stem long; leaves few; flowers white.

233749. *TRIFOLIUM* sp.

Col. No. 15950. Sodland, Apennine Mountains between Parma and Spezzia. Elevation 3,000 feet. Low, spreading perennial.

233750. *MEDICAGO FALCATA* L. Fabaceae. **Yellow-flowered alfalfa.**

Apennine Mountains between Parma and Spezzia, road to Florence.

233751 to 233757. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**

From Belgian Congo. Seeds presented by the Institute of Agronomy, Mulungu (Kivu). Received June 19, 1956.

233751. 'Blue Mountain Jamaïque'. **233755.** 'Local Bronze No. 12'.**233752.** 'Bourbon No. BM 71'. **233756.** 'Mibirizi No. 49'.**233753.** 'Bourbon No. BO 72'. **233757.** 'Mokka Kenya'.**233754.** 'Jackson No. 2'.**233758 to 233762.** *ZEA MAYS* L. Poaceae. **Corn.**

From Colombia. Presented by the Estacion Agricola Experimental "Tulio Ospina," Medellin. Received June 19, 1956.

233758. 'Venezuela 428'. **233761.** 'Venezuela 716'.**233759.** 'Venezuela 598'. **233762.** 'Venezuela 891'.**233760.** 'Venezuela 692'.

233763 to 233780. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Brazil. Seeds presented by the Instituto Agronomico do Sul, Pelotas, Rio Grande do Sul. Received June 20, 1956.

233763. L. 8217-54.	233772. L. 8230-54.
233764. L. 8218-54.	233773. L. 8231-54.
233765. L. 8219-54.	233774. L. 8232-54.
233766. L. 8220-54.	233775. L. 8233-54.
233767. L. 8221-54.	233776. L. 8234-54.
233768. L. 8225-54.	233777. L. 8235-54.
233769. L. 8226-54.	233778. L. 8236-54.
233770. L. 8228-54.	233779. L. 8241-54.
233771. L. 8229-54.	233780. L. 8242-54.

233781. CAMELLIA GRANTHAMIANA Sealy Theaceae.

From Hong Kong. Cuttings presented by the American Consulate General, Victoria. Received June 20, 1956.

233782. TRIFOLIUM VESICULOSUM Savi Fabaceae. Clover.

From Italy. Seeds presented by the University of Pisa, Pisa. Received June 21, 1956.

FAO-2999.

233783 and 233784.

From France. Clumps presented by the Department of Agriculture, Fort de France, Martinique. Received June 21, 1956.

233783. BOEHMERIA NIVEA (L.) Gaud. Urticaceae.	Ramie.
233784. BOEHMERIA UTILIS Diebard	

233785 to 233790. VITIS VINIFERA L. Vitaceae. European grape.

From Australia. Cuttings presented by the Department of Agriculture, Treasury Gardens, Melbourne. Received June 20, 1956.

233785. 'Raisin de Palestine'.	233788. S 28-112.
233786. 'Rosada'.	233789. 'Upston's White Syrian'.
233787. 'Syrian'.	233790. 'Xeres'.

233791 to 233805. GOSSYPIMUM (hybrids). Malvaceae. Cotton.

From Argentina. Seeds presented by the Division of Plant Exploration and Introduction, Buenos Aires. Received June 22, 1956.

233791. 'Acala'. Plants red.	233799. 'Green Lint'.
233792. 'Brown Brymer'.	233800. 'Guemes 82'.
233793. 'Catamarca'.	233801. 'Juntalgodon Brebbia 83'.
233794. 'Catamarca 321'.	233802. 'La Banda Precoz'.
233795. 'Catamarca 811'.	233803. 'Las Brenas 16'.
233796. 'Colomia Mascias 6769'.	233804. 'Las Brenas 341'.
233797. 'El Colorado 2R'.	233805. 'Sainz Pena 85'.
233798. 'El Colorado 88'.	

233806. CAMELLIA SINENSIS (L.) Kuntze Theaceae. Tea.

From India. Seeds presented by the Forest Research Institute, Dehra Dun. Received June 22, 1956.

233807 to 233816.

From Italy. Seeds collected by H. S. Gentry, Agricultural Explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 25, 1956.

From the Instituto di Agronomia, Università di Pisa, Pisa.

233807. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.

233808. *MEDICAGO TUBERCOLATA* (Retz.) Willd. Fabaceae. Cogwheel medic.

233809. *SCORPIURUS SUBVILLOSA* L. Fabaceae.

233810. *TRIFOLIUM SQUARROSUM* L. Fabaceae. Clover.

233811. *TRIFOLIUM ALEXANDRINUM* L. Berseem clover.

233812. *TRIFOLIUM INCARNATUM* L. Crimson clover.

233813. *TRIFOLIUM REPENS* L. Whiteclover.

233814. *TRIFOLIUM RESUPINATUM* L. Persian clover.

233815. *TRIFOLIUM SQUARROSUM* L. Clover

233816. *TRIFOLIUM VESICULOSUM* Savi Clover.

233817. *SACCHARUM* (hybrid). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Colonial Sugar Refining Company, Sydney. Received June 25, 1956.

28 N.G. 253.

233818 to 233831.

From Italy. Seeds collected by H. S. Gentry, Agricultural Explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 25, 1956. Collected June, 1956.

233818. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.
Col. No. 15965. Near Pisa.

233819. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
Col. No. 15937. Sandy alluvium, irrigated pasture, 8 km. northwest of Lodi. Plant semi-dwarf; leaves fine.

233820 and 233821. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.

233820. Col. No. 15936. Marshy margin, sandy alluvium, pasture 8 km. northwest of Lodi. Perennial; leaves broad.

233821. Col. No. 15938. Old pasture 12 km. northwest of Lodi. Perennial.

233822. *JUNIPERUS* sp. Pinaceae.

Col. No. 15962. Sedimentaries, Apennine Mountains between Parma and Spezzia. Elevation 750 meters. Ornamental tree; leaves pungent-tipped.

233823. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.

Col. No. 15942. Old pasture 12 km. northwest of Lodi. Plant small, upright; stems slender, leafy; seeds small.

233824. *PHALARIS COERULESCENS* Desf. Poaceae. Canarygrass.

Col. No. 15968. Coastal plain, sandy loam soil 90 km. northwest of Rome. Tall perennial, apparently stoloniferous, to 12 dm. high.

233825. *PINUS PINEA* L. Pinaceae. Italian stone pine.

Col. No. 15967. Cultivated pine forest near Pisa. Seeds harvested for export.

233826. *POA BULBOSA* L. Poaceae. Bulbous bluegrass.

Col. No. 15961. Scattered on soddy slope, Apennine Mountain between Parma and Spezzia. Elevation 903 meters. Tufted perennial; culms long.

233818 to 233831—Continued**233827 to 233829.** *TRIFOLIUM PRATENSE* L. Fabaceae.**Red clover.**

Old pasture 12 km. northwest of Lodi.

233827. Col. No. 15939. Normal leaf variegation lacking.**233828.** Col. No. 15940. Long pointed leaflets.**233829.** Col. No. 15941. Full seeding, solitary plant.**233830.** *TRIFOLIUM ALEXANDRINUM* L.**Berseem clover.**

Col. No. 15964. Near Pisa. Plant vigorous, spontaneous.

233831. *TRIFOLIUM PRATENSE* L. Fabaceae.**Red clover.**

Col. No. 15966. Wooded littoral near Pisa. Plant in heavy grassy growth; stems long; flowers white.

233832 and 233833.

From the Philippines. Seeds presented by the Foreign Operations Administration, Special Technical Economic Mission, San Francisco, California. Received June 25, 1956.

Collected at mouth of Buayan River, Southern Mindanao.

233832. *CHLORIS INFLATA* Link Poaceae.**233833.** *TEPHROSIA* sp. Fabaceae.**233834 to 233838.**

From Jordan. Seeds presented by H. W. Roath, Amman. Received June 26, 1956.

233834. *HORDEUM* sp. Poaceae.

'Baladi'. Local barley.

233835. *HORDEUM* sp.

'Quinari'. Barley.

233836. *HORDEUM* sp.

'Research'. Barley.

233837. *HORDEUM* sp.

'Sayti'. Barley.

233838. *HORDEUM* sp.

'Two-Rows'. Barley.

233839 to 233841. *PRUNUS AVIUM* L. Amygdalaceae.**Sweet cherry.**

From Australia. Scions presented by the Department of Agriculture, New South Wales, Sydney. Received June 26, 1956.

233839. 'Ransom'.**233840.** 'Regina'.**233841.** 'Rival'.**233842 to 233847.**

From Iraq. Seeds presented by the College of Agriculture, Abu Graib. Received June 26, 1956.

233842. *BETA* sp. Chenopodiaceae.

No. 1.

233843. *BETA* sp.

No. 2.

233842 to 233847—Continued**233844.** BETA sp.

No. 3.

233845. BETA sp.

No. 4.

233846. BETA sp.

No. 5.

233847. BETA sp.

No. 6.

233848. ERYTHRINA FUSCA Lour. Fabaceae.**Coraltree.**

From New Caledonia. Cuttings presented by the South Pacific Commission, Noumea. Received June 27, 1956.

'Fastigiata'.

233849. PHYLLOSTACHYS VIRIDIS (Young) McClure Poaceae.**Maso bamboo.**

From the United States. Plant growing at the Barbour Lathrop Plant Introduction Station, Savannah, Georgia. Numbered June 27, 1956.

'Houzeau'. A sport of the typical form, differing chiefly in having the sulcus of the (otherwise green) internodes greenish-yellow. The typical form is growing under P.I. 77257, the sport was first noted by Dr. F. A. McClure in spring of 1956.

233850 to 233861.

From Australia. Seeds presented by the Forestry and Timber Bureau, Canberra. Received June 27, 1956.

233850. EUCALYPTUS AGGREGATA Deane & Maiden Myrtaceae.**233851.** EUCALYPTUS BICOLOR A. Cunn ex Hook**Blackbox.****233852.** EUCALYPTUS COCCIFERA Hook f.**233853.** EUCALYPTUS DALRYMPLEANA Maiden**233854.** EUCALYPTUS GIGANTEA Hook f.**233855.** EUCALYPTUS GUNNII Hook f.**Cider gum.****233856.** EUCALYPTUS JOHNSTONII Maiden**233857.** EUCALYPTUS NIPHOPHILA Maiden & Blakely**233858.** EUCALYPTUS PAUCIFLORA Sieber ex Spreng.**White gum.****233859.** EUCALYPTUS RUBIDA Deane & Maiden**233860.** EUCALYPTUS STELLULATA D.C.**233861.** EUCALYPTUS URNIGERA Hook f.**233862 to 233864.**

From the Philippines. Seed presented by the Central Experiment Station, Laguna. Received June 29, 1956.

233862. COSMOS CAUDATUS H.B.K. Asteraceae.

Pink. Collected in Southern Cotabato. Elevation 1,200 feet.

233863. COSMOS SULPHUREUS Cav.

Yellow. Collected in Southern Cotabato. Elevation 1,200 feet.

233864. DESMODIUM sp. Fabaceae.

Collected north of Baguio, Mountain Province.

233865. ERYTHRINA FUSCA Lour. Fabaceae. **Coraltree.**
From the Fiji Islands. Cuttings presented by the Department of Agriculture,
Suva. Received June 29, 1956.

'Fastigiata'.

233866 to 233874. TRIFOLIUM SUBTERRANEUM L. Fabaceae.
Subterranean clover.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 2, 1956.

233866 to 233872. Hybrids.

233866. 'Mulwala' × 'Tallerook'. **233870.** 'Tallerook' × 'Mulwala'.

233867. 'Tallerook' × 'Daliak'. **233871.** 'Tallerook' × 'Nie'.

233868. 'Tallerook' × 'Mulwala'. **233872.** 'Tallerook' × 'Nie'.

233869. 'Tallerook' × 'Mulwala'.

From the Mediterranean area.

233873. 'Morroco'. C.P.I. No. 14743-C.

233874. 'Morroco'. C.P.I. No. 14744-A.

233875 and 233876.

From Iran. Seeds presented by the United States Operations Mission, Tehran.
Received July 3, 1956.

Purchased in bazaar, Zahedan, Baluchistan.

233875. PISTACIA KHINJUK Stocks. Anacardiaceae. **Egyptian pistache.**

233876. PISTACIA MUTICA Fisch. & Mey. **Terebinth.**

233877. FRAGARIA ORIENTALIS A. Los. Rosaceae. **Strawberry.**

From Great Britain. Plants presented by the Department of Botany, Manchester
University, Manchester, England. Received July 6, 1956.

233878 to 233881. ORYZA SATIVA L. Poaceae. **Common rice.**

From Thailand. Seeds obtained through the Food and Agriculture Organization,
United Nations, Bangkok. Received July 6, 1956.

Originally from Egypt.

233878. 'Agami Mont. 1 (G.S. 866)'. **233880.** 'Giza 35'.

233879. 'Giza 14 (G.S. 867)'. **233881.** 'Yabani 47 (G.S. 515)'.

233882 to 233886.

From Australia. Seeds presented by the Forestry and Timber Bureau, Canberra.
Received July 6, 1956.

233882. EUCALYPTUS BICOLOR A. Cunn. Myrtaceae. **Blackbox.**

S 2090. Collected in Mathoura, New South Wales.

233883. EUCALYPTUS BROCKWAYI C. A. Gardner

S 3509. Collected in Kalgoorlie.

233884. EUCALYPTUS CAMALDULENSIS var. *obtus* Blakely

S 3585. Collected in Woomera.

233885. EUCALYPTUS DUNDASI Maiden.

S 3448. Collected in Western Australia.

233886. EUCALYPTUS SALMONOPHLOIA F. Muell.

S 3625. Collected in Western Australia.

233887 and 233888.

From Costa Rica. Tubers presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received July 6, 1956.

233887. *DIOSCOREA* sp. Dioscoreaceae.

From grounds of the Instituto.

233888. *DIOSCOREA* sp.

From La Suiza, Turrialba.

33889 to 233894. ORYZA SATIVA L. Poaceae. Common rice.

From India. Seeds presented by the Central Rice Research Institute, Cutback, Orissa. Received July 9, 1956.

233889. Adt—10.

233892. Co. 13.

233890. A.K.P. 8.

233893. S.M. 6.

233891. A.K.P. 9.

233894. S. 67.

233895 to 233907.

From Colombia. Seeds presented by the Ministerio de Agricultura, Estacion Experimental "Tulio Ospina," Medellin. Received July 9, 1956.

Obtained through the Rockefeller Foundation.

233895. *COIX LACRYMAJOBI* L. Poaceae.

Jobs-tears.

Originally from Cuzco, Peru.

233896. *EUCHLAENA MEXICANA* Schrad. Poaceae.

Mexican teosinte.

Originally from Cuzco, Peru. Elevation 2,900 feet.

233897. *TRIPSACUM* sp. Poaceae.

'Cana Antigua'. Cultivated. Buenaventura, Valle. Elevation 24 feet.

233898. *TRIPSACUM* sp.

'Cana Antigua'. Cultivated. Buenaventura, Valle. Elevation 75 feet.

233899. *TRIPSACUM* sp.

'Cana Antigua'. Rio Cajambre, Buenaventura, Valle. Elevation 120 feet.

233900. *TRIPSACUM* sp.

'Costilla de Vaca'. Istmina, Choco. Elevation 300 feet.

233901. *TRIPSACUM* sp.

'Gramalote'. Rio Dulce, Villeta, Cundinamarca. Elevation 2,940 feet.

233902. *TRIPSACUM* sp.

'Gramalote'. La Plata, Huila. Elevation 2,850 feet.

233903. *TRIPSACUM* sp.

'Gramalote' or 'Guinedon'. Norte de Santander. Elevation 3,060 feet.

233904. *TRIPSACUM* sp.

'Gramalote'. Norte de Santander. Elevation 3,360 feet.

233905. *TRIPSACUM* sp.

'Gramalote, 158 VMP'. Sardinata, Norte de Santander. Elevation 1,320 feet.

233906. *TRIPSACUM* sp.

'Gramalote'. Originally from Km. 106, Huigra, Naranjapata, Ecuador.

233907. *TRIPSACUM* sp.

'Masiega'. Originally from Las Cruces, Merida, Venezuela. Elevation 3,540 feet.

233908 to 233913. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From El Salvador. Seeds presented by the Coffee Experiment Station, Santa Tecla. Received July 9, 1956.

233908. 'Chocola Bourbon'.

233911. 'Portillo'. Short internode.

233909. 'Pacas'.

233912. 'Puerto Rico Bourbon'.

233910. 'Pache'.

233913. 'Villalobos'.

233914. GOSSYPIUM (hybrid). Malvaceae. Cotton.

From West Germany. Seeds presented by Joel F. Henbree, Bremen. Received July 10, 1956.

Originally from the Union of Soviet Socialist Republics.

233915 and 233916.

From El Salvador. Seeds presented by the Centro Nacional de Agronomia Santa Tecla. Received July 10, 1956.

233915. PRUNUS SEROTINA var. SALICIFOLIA (Kunth) Koehne Amygdalaceae.
Capulin.

233916. SOLANUM MELONGENA L. Solanaceae. Eggplant.
Yellow.

233917 and 233918. ORYZA SATIVA L. Poaceae. Common rice.

From the Philippines. Seeds presented by the Department of Agriculture and Natural Resources, Manila. Received July 11, 1956.

233917. 'Buenketan'.

233918. 'Thailand'.

233919 to 233928.

From Great Britain. Budsticks presented by Thomas Hilling & Co., Chobham, Surrey, England. Received July 11, 1956.

233919 and 233920. ROSA (hybrids). Rosaceae. Rose.

233919. 'Alistar Stella Gray'.

233920. 'Celine Forestier'.

233921. ROSA CENTIFOLIA L. Rose.

233922. ROSA CHINENSIS Jacq. Chinese rose.

233923 and 233924. ROSA (hybrids). Rose.

233923. 'Edith Cavell'.

233924. 'Ellen Poulsen'.

233925. ROSA LAEVI GATA Michx. Cherokee rose.

233926 to 233928. ROSA (hybrids). Rose.

233926. 'Marie Loopida'.

233927. 'Mrs. Nathalie Nypels'.

233928. 'Roseaie de l'Hay'.

233929. UROCHLOA MOSAMBICENSIS (Hack.) Dandy Poaceae.

From Mozambique. Seeds presented by P. Santos, Lourenco Marques. Received July 13, 1956.

233930. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Ecuador. Seed presented by Dr. Ferguson, Sucua, Oriente. Received July 13, 1956.

233931 and 233932.

From Canada. Seeds obtained by F. J. Hermann and B. M. Leese, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received July 13, 1956.

233931. *BROMUS BARCENSIS* Simk. Poaceae.

Bromegrass.

No. 717. From the Dominion Experiment Station, Lethbridge, Alberta.

233932. *CUCUMIS SATIVUS* L. Cucurbitaceae.

Cucumber.

'Supercrop'. (Hybrid.) From the Bodie Seed Co., Winnipeg, Manitoba.

233933. *RUBUS ROSAEFOLIUS* J. E. Smith Rosaceae.

Roseleaf raspberry.

From Puerto Rico. Seeds presented by the Federal Experiment Station, Mayaguez. Received July 13, 1956.

Collected in the mountains.

233934 to 233938.

From Israel. Bulbs presented by the Hebrew University, Jerusalem. Received July 13, 1956.

233934. *ALLIUM ROTUNDUM* L. Liliaceae.

Collected in Upper Galilee.

233935. *ALLIUM STAMINEUM* Boiss.

Collected on Mount Carmel.

233936. *COLCHICUM* sp. Liliaceae.

233937. *COLCHICUM RITCHII* R. Br.

233938. *COLCHICUM* sp.

233939 to 233956.

From Costa Rica. Plants growing at the United States Plant Introduction Garden, Coconut Grove, Florida. Numbered July 16, 1956.

Clones received at Coconut Grove May 25, 1956 from Turrialba.

233939 to 233948. *HEVEA* (hybrids). Euphorbiaceae.

Rubber tree.

CD=Clonal Designation and PC=Parent Clones.

233939 to 233942.

Backcrosses made in Brazil of *Dothidella* resistant *Hevea benthamiana* × *brasiliensis* hybrids to the high-yielding oriental parent.

233939. CD IAN-3819. PC FX-617 (F-4542 × Tj-1) × Tj-1.

233940. CD IAN-3827. PC FX-516 (F-4542 × Av-363) × Av-363.

233941. CD IAN-3831. PC FX-516 (F-4542 × Av-363) × Av-363.

233942. CD IAN-3890. PC FX-617 (F-4542 × Tj-1) × Tj-1.

233943 and 233944.

Primary crosses made in Brazil between a *Dothidella* resistant *Hevea benthamiana* jungle selection and an Oriental clone.

233943. CD FX-555. PC F-4542 × Av-363.

233944. CD FX-590. PC F-4542 × Av-363.

233945 to 233948.

Clones originating on the Firestone Rubber Plantations at Harbel, Liberia.

233945. CD C-290. PC BD-10 × Tj-1.

233946. CD C-297. PC BD-10 × Tj-1.

233947. CD C-323. PC DU-52 × Tj-1.

233939 to 233956—Continued

233948. CD C-333. PC DU-52 × Tj-1.

233949. HEVEA GUIANENSIS var. LUTEA (Spruce) Ducke & Schultes **Rubber tree.**

P-236. Jungle selection from Rio Pachitea, Peru. Resistant to *Dothidella* and *Phytophthora*.

233950 to 233953. HEVEA (hybrids). **Rubber tree.**

Oriental clones with good yield but no resistance to *Dothidella*.

GN=Goodyear number and Syn=Synonym.

233950. GN GV-1. Syn BD-2. **233952.** GN GV-18. Syn PB-123.

233951. GN GV-4. Syn CT-88. **233953.** GN GV-24. Syn Pil.B-65.

233954 to 233956.

Jungle selections made in Colombia; resistant to *Dothidella ulei*.

233954. HEVEA BENTHAMIANA Muell.-Arg. **Rubber tree.**

Col. 487.

233955. HEVEA MICROPHYLLA Ule **Rubber tree.**

Col. 493.

233956. HEVEA BENTHAMIANA Muell.-Arg. **Rubber tree.**

Col. 508.

233957. COFFEA ARABICA L. Rubiaceae. **Arabian coffee.**

From Ethiopia. Seeds presented by G. Turceniuff, Addis Ababa. Received July 17, 1956.

'Red-tipped'.

233958 to 233966.

From Bolivia. Tubers presented by the Ministerio de Agricultura, Cochabamba. Received July 17, 1956.

233958. SOLANUM ACAULE Bitter Solanaceae.

233959. SOLANUM ALTICOLUM Bitter

233960. SOLANUM BOLIVIENSE Dunal

233961. SOLANUM BREVICAULE Bitt.

233962. SOLANUM GANDARILLASII Card.

233963. SOLANUM MEGISTACROLOBUM Bitter

233964. SOLANUM OPLOCENSE Hawkes

233965. SOLANUM SUBANDIGENUM Hawkes

233966. SOLANUM SUDANENSE Card.

233967. ARISTOLOCHIA TAGALA Cham. Aristolochiaceae.

From New Guinea. Seeds presented by the Department of Agriculture, Stock and Fisheries, Port Moresby. Received July 17, 1956.

233968 to 233971.

From Ceylon. Seeds presented by the Royal Botanic Gardens, Peradeniya, through E. A. Menninger, Stuart, Florida. Received July 17, 1956.

233968. CESTRUM AURANTIACUM Lindl. Solanaceae.

233969. MEMECYLON UMBELLATUM Kostel. Melastomaceae.

233970. MONTANOA BIPINNATIFIDA (Kunth) C. Koch Asteraceae.

233971. SOPHORA VIOLACEA Thwaites Fabaceae.

233972 to 233975.

From Indonesia. Seeds presented by the Indonesia Botanic Gardens, Bogor, Djawa, through E. A. Menninger, Stuart, Florida. Received July 17, 1956.

233972. *DERRIS MICROPHYLLA* (Miq.) Valet. Fabaceae.

233973. *ELAEOCARPUS GRANDIFLORUS* J. E. Sm. Elaeocarpaceae.

233974. *RANDIA MACULATA* DC. Rubiaceae.

233975. *RHODODENDRON JAVANICUM* (Blume) Benn. Ericaceae.

233976 to 233979.

From Indonesia. Cuttings presented by the Botanic Gardens of Indonesia, Bogor. Received July 18, 1956.

233976. *CAMELLIA JAPONICA* L. Theaceae.

Common camellia.

Originally from Japan.

233977. *CAMELLIA LANCEOLATA* Seem.

Originally from Celebes.

233978 and 233979. *CAMELLIA SINENSIS* (L.) Kuntze

Tea.

233978. Typical form. Originally from China.

233979. Originally from China.

233980 to 234015.

From Bolivia. Seeds presented by the Ministerio de Agricultura, Cochabamba. Received July 18, 1956.

233980. *SOLANUM AJANHUIRI* Juz. & Buk. Solanaceae.

'Ajanhuiri'.

233981 to 234002. *SOLANUM ANDIGENUM* Juz. & Buk.

233981. 'Abajena'.

233992. 'Puca Imilla'.

233982. 'Checchi Pacena'.

233993. 'Puca Ilusta'.

233983. 'Culi'.

233994. 'Puca Mahui'.

233984. 'Huacalajra'.

233995. 'Puca Palama'.

233985. 'Imilla'.

233996. 'Runa'.

233986. 'Janka Colorada'.

233997. 'Sacampaya'.

233987. 'Kamara'.

233998. 'Satamari'.

233988. 'Koillu Morada'.

233999. 'Tinakea'.

233989. 'Pacena'.

234000. 'Tula Imilla'.

233990. 'Pantillicella'.

234001. 'Yana Imilla'.

233991. 'Pilipintu'.

234002. 'Yana Ilusta'.

234003. *SOLANUM ANOMALOCALYX* Hawkes

Wild species; drought resistant.

234004. *SOLANUM CHAUCHA* Juz. & Buk.

'Surimana'.

234005. *SOLANUM CURTILOBUM* Juz. & Buk.

'Chocke-pitu'. Frost resistant.

234006 to 234013. *SOLANUM STENOTOMUM* Juz. & Buk.

234006. 'Apachu-chuchuli'.

234010. 'Machu-huanuchi'.

234007. 'Candelero'.

234011. 'Pitu-huayaka'.

234008. 'Checchi-canastilla'.

234012. 'Saylulo'.

234009. 'Koyu-siki-cssnastilla'.

234013. 'Tanta-guagua'.

233980 to 234015—Continued

234014. SOLANUM VALLEGANDENSE Card.

Drought resistant.

234015. SOLANUM sp.

'Cabra-chuchuli'.

234016 to 234044. HEVEA (hybrids). Euphorbiaceae.

Rubber tree.

From Costa Rica. Plants growing at the United States Plant Introduction Garden, Coconut Grove, Florida. Numbered July 19, 1956.

Clones received June 5, 1956, from Turrialba, Costa Rica.

P = Parentage.

234016 and 234017.

Backcrosses and outcrosses made at Belterra, Brazil in 1949. Resistant to *Dothidella ulei*.

234016. IAN-2228. P Tjl $\times$ FX-4371 (F-4542 $\times$ PB-86).

234017. IAN-2664. P FX-4068 (F-4542 $\times$ PB-86) $\times$ PB-86.

234018 to 234025.

Backcrosses and outcrosses made at Belterra, Brazil in 1950. Resistant to *Dothidella ulei*.

234018. IAN-2834. P FX-516 (F-4542 $\times$ AV.363) $\times$ PB-86.

234019. IAN-2848. P FX-516 (F-4542 $\times$ AV.363) $\times$ PB-86.

234020. IAN-2871. P FX-516 (F-4542 $\times$ AV.363) $\times$ PB-86.

234021. IAN-2876. PFX-516 (F-4542 $\times$ AV.363) $\times$ PB-86.

234022. IAN-2877. P FX-516 (F-4542 $\times$ AV.363) $\times$ PB-86.

234023. IAN-2890. P FX-2831 (F-4542 $\times$ Tj-1) $\times$ PB-86.

234024. IAN-2898. P FX-2831 (F-4542 $\times$ Tj-1) $\times$ PB-86.

234025. IAN-2936. P FX-636 (F-4542 $\times$ Tj-1) $\times$ Tj-1.

234026 to 234031.

Backcrosses and outcrosses made at Belterra, Brazil in 1951. Resistant to *Dothidella ulei*.

234026. IAN-3392. P FX-652 (F-4542 $\times$ Tj-1) $\times$ PB-186.

234027. IAN-3468. P Tj-16 $\times$ FX-4037 (F-4542 $\times$ PB-86).

234028. IAN-3510. P FX-652 (F-4542 $\times$ Tj-1) $\times$ PB-186.

234029. IAN-3892. P FX-617 (F-4542 $\times$ Tj-1) $\times$ Tj-1.

234030. IAN-3919. P FX-505 (F-4542 $\times$ AV-363) $\times$ Tj-1.

234031. IAN-3921. P FX-505 (F-4542 $\times$ AV-363) $\times$ Tj-1.

234032 to 234037.

Primary crosses made at Belterra in the period 1937 to 1942.

234032. FX-516. P F-4542 $\times$ AV-363.

234033. FX-664. P F-4542 $\times$ Av-363.

234034. FX-2804. P F-4542 $\times$ Tj-1.

234035. FX-3482. P F-4542 $\times$ PB-86.

234036. FX-3649. P PB-86 $\times$ FB-39.

234037. FX-3925. P F-4542 $\times$ AV-363.

234016 to 234044—Continued**234038 to 234040.**

Clones of oriental origin. Susceptible to *Dothidella ulei*.

Syn=*Synonyms*.

234038. GA-317. Syn AVROS-317.

234039. GA-324. Syn AVROS-324.

234040. GA-1666. Syn AVROS-1666.

234041 to 234043.

Clones developed at the Rubber Research Institute of Malaya. Susceptible to *Dothidella ulei*.

234041. RRI-513.

234042. RRI-614.

234043. RRI-616.

234044. GS-191 a clone developed from a selfed seedling of Tj-1.

Susceptible to *Dothidella ulei*.

234045 to 234053.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received July 20, 1956.

234045. BROMUS INERMIS Leyss. Poaceae. Smooth bromegrass.

234046. DACTYLIS GLOMERATA var. HISPANICA (Roth) Duby Poaceae. Orchardgrass.

234047. FESTUCA ARUNDINACEA Schreb. Poaceae. Tall fescue.

234048. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.

234049. SANGUISORBA MINOR Scop. Rosaceae. Small burnet.

234050. TRIFOLIUM HIRTUM All. Fabaceae. Clover.

234051. VICIA DASycARPA Ten. Fabaceae. Woollypod vetch.

234052. VICIA SATIVA L. Common vetch.

234053. VICIA VILLOSA Roth Hairy vetch.

234054 to 234058. BRASSICA OLERACEA var. GEMMIFERA DC. Brussels sprouts.
Brassicaceae.

From Australia. Seeds presented by the Department of Agriculture, Melbourne, Victoria. Received July 20, 1956.

Grown at Wheeler's Hill, Victoria.

234054. 'English Evesham Long'.

234055. 'Parkinsons Sprout'. Early.

234056. 'Ron Cotters'. Intermediate.

234057. 'Scotch Sprout'.

234058. 'Stotts Fillbaskets Sprouts'.

234059 to 234071.

From Spain. Plants collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received July 20, 1956.

Collected July 4 and 5, 1956.

234059. BUXUS SEMPERVIRENS L. Buxaceae. Common box.

Col. No. 16027. Somport, Pyrenees Mountains. Elevation 1,600 meters. Plant low, spreading; alpine form.

234059 to 234071—Continued**234060.** *FESTUCA* sp. Poaceae.

Col. No. 16019. Mountain meadow, Somport, Pyrenees Mountain. Elevation 1,600 meters. Low perennial.

234061. *FESTUCA* sp.

Col. No. 16020. Meadow, Somport, Pyrenees Mountains. Elevation 1,600 meters. Small, turf-like perennial.

234062. *FESTUCA* sp.

Col. No. 16032. Parque Nacional de Ordesa, Pyrenees Mountains. Elevation 1,000 meters. Low, turf-type perennial.

234063. *INULA* sp. Asteraceae.

Col. No. 16026. Somport, Pyrenees Mountains. Elevation 1,600 meters. Small, alpine plant; flowers pink.

234064 and 234065. *LOTUS CORNICULATUS*. Fabaceae. **Birdsfoot trefoil.****234064.** Col. No. 16023. Somport, Pyrenees Mountains. Elevation 1,600 meters. Low, turf-like perennial.**234065.** Col. No. 16031. Parque Nacional de Ordesa, Pyrenees Mountains. Elevation 1,000 meters.**234066.** *MEDICAGO* sp. Fabaceae.

Col. No. 16028. Somport, Pyrenees Mountains. Elevation 1,600 meters. Low, spreading perennial; leaves dense.

234067. *POA* sp. Poaceae.

Col. No. 16029. Cracks of rocks, Somport, Pyrenees Mountains. Elevation 1,600 meters. Perennial.

234068. *TRIFOLIUM ALPINUM* L. Fabaceae.**Alpine clover.**

Col. No. 16021. Somport, Pyrenees Mountains. Elevation 1,600 meters. Low, spreading perennial; flowers lavender.

234069. *TRIFOLIUM PRATENSE* L.**Red clover.**

Col. No. 16025. Somport, Pyrenees Mountains. Elevation 1,600 meters. Small-leaved perennial.

234070. *TRIFOLIUM* sp.

Col. No. 16022. Somport, Pyrenees Mountains. Elevation 1,600 meters. Plant high altitude strain; leaves hairy.

234071. *POTENTILLA ALPESTRIS* Hall f. Poaceae.

Col. No. 16024. Meadow sod, Somport, Pyrenees Mountains. Elevation 1,600 meters.

234072 to 234081.

From Uruguay. Seeds presented by R. Pederson, Montevideo. Received July 20, 1956.

234072 to 234076. *PASPALUM DILATATUM* Poir. Poaceae.**Dallisgrass.****234072.** La Estanzuela, Departamento Colonia.**234073.** Departamento Durazno.**234074.** Puntas de Valdez, Departamento San Jose.**234075.** Campo Experimental de Agronomia, Banados de Medina, Paysandu.**234076.** Campo Experimental de Agronomia, Banados de Medina, Paysandu.**234077 and 234078.** *PASPALUM NOTATUM* Fluegge**Bahiagrass.****234077.** Departamento de Durazno.**234078.** Campo Experimental de Agronomia de Cerro Largo.

234072 to 234081—Continued

234079. *PASPALUM PLICATULUM* Michx. **Brownseed paspalum.**

Collected by the Escuela de Practica & Campo Experimental de Agronomia, Cerro Largo.

234080. *PASPALUM URVILLEI* Steud. **Vaseygrass.**

Collected by the Escuela de Practica & Campo Experimental de Agronomia, Cerro Largo.

234081. *PASPALUM* sp.

Collected at La Estanzuela, Departamento Colonia.

234082 to 234109.

From Australia. Seeds presented by E. A. Menninger, Stuart, Florida. Received July 23, 1956.

234082. *ACACIA CARDIOPHYLLA* A. Cunn. Mimosaceae.

234083. *ACACIA PENNINERVIS* Sieber

234084. *ACACIA VESTITA* Edwards

234085. *ACTINOSTROBUS PYRAMIDALIS* Miq. Pinaceae.

Good dwarf hedge plant.

234086. *ALPHITONIA EXCELSA* (Fenzl) Reissek. Rhamnaceae.

234087. *ATALAYA HEMIGLAUCA* F. Muell. Sapindaceae.

234088. *CALOTHAMNUS SANGUINEUS* Lindl. Myrtaceae.

234089. *CALOTHAMNUS VALIDUS* S. Moore

234090. *CASSIA AUSTRALIS* Sims Caesalpiniaceae. **Senna.**

234091. *CERATOPETALUM GUMMIFERUM* J. E. Smith Cunoniaceae.

234092. *EREMOCITRUS GLAUCA* (Lindl.) Swingle Rutaceae.

234093. *EUCALYPTUS CAESIA* Benth. Myrtaceae.

234094. *EUCALYPTUS MACULASA* R. T. Baker

234095. *EUCALYPTUS MITRATA* C. A. Gard.

234096. *EUCALYPTUS PREISSIANA* Schauer

234097. *EUCALYPTUS SEPULCRALIS* F. Muell.

234098. *EUCALYPTUS STOATEI* C. A. Gard.

234099. *EUCALYPTUS TETRAGONA* (R.Br.) F. Muell.

234100. *EUCALYPTUS TETRAPTERA* Turcz.

234101. *FLINDERSIA MACULOSA* (Lindl.) F. Muell. Rutaceae.

234102. *MELALEUCA CRASSIFOLIA* Benth. Myrtaceae.

234103. *MELALEUCA DECUSSATA* R. Br.

234104. *MELALEUCA FULGENS* R. Br.

234105. *MELALEUCA GIBROSA* Labill.

234106. *MELALEUCA NEGLECTA* Ewart & B. Wood

234107. *MELALEUCA RADULA* Lindl.

234108. *MELALEUCA SQUARROSA* J. E. Smith

234109. *MELALEUCA WILSONII* F. Muell.

234110 to 234152.

From Argentina. Seeds presented by the Estacion Experimental Pergamino, Pergamino. Received July 23, 1956.

- 234110 to 234144.** *PASPALUM DILATATUM* Poir. Poaceae. **Dallisgrass.**
- 234110.** P.F. 1877. Pan-American Highway, Km. 110.
- 234111.** P.F. 1879. Pan-American Highway, Km. 95.
- 234112.** P.F. 1880. Pan-American Highway, Km. 48.
- 234113.** P.F. 1882. Between Mar del Plata, Km. 129 and Chascomus, Buenos Aires Province.
- 234114.** P.F. 1883. Instituto de Fitotecnica, Castela, Buenos Aires.
- 234115.** P.F. 1884. Pan-American Highway, Km. 66.
- 234116.** P.F. 1885. Pan-American Highway, Km. 66.
- 234117.** P.F. 1886. Route 2, Mar del Plata, Km. 164; banks of Rio Salado. Elevation 1,000 meters.
- 234118.** P.F. 1887. Route 2, Mar del Plata, Km. 305.
- 234119.** P.F. 1888. Estacion Experimental de Oliveros, Province Santa Fe.
- 234120.** P.F. 1890. Pan-American Highway, Km. 74, opposite Zarate.
- 234121.** P.F. 1893. Sub-Estacion Experimental Colonia Verua, Province of Entre Rios.
- 234122.** P.F. 1895. Estacion Experimental de Rafaela, Province of Santa Fe.
- 234123.** P.F. 1897. Campo Alvear, Carabelas, Buenos Aires Province.
- 234124.** P.F. 1898. Route 8, District of Pergamino, Km. 228.
- 234125.** P.F. 1899. Route 8, District of Pergamino, Km. 232.
- 234126.** P.F. 1900. Route 8, Km. 243, District of Pergamino.
- 234127.** P.F. 1901. Route 8, District of Pergamino, Km. 256.
- 234128.** P.F. 1902. Route 8, District of Colon, Km. 264.
- 234129.** P.F. 1903. Route 8, District of Colon, Km. 273.
- 234130.** P.F. 1904. Between Colon and Arenales, Km. 2 from Colon, District of Colon.
- 234131.** P.F. 1905. "La Beba," District of Rojas.
- 234132.** P.F. 1906. Campo Atucha, District of Colon.
- 234133.** P.F. 1907. Campo Alvear, District of Rojas.
- 234134.** P.F. 1908. Route 188, District of Rojas, Km. 107.
- 234135.** P.F. 1909. Route 188, District of Rojas, Km. 101.
- 234136.** P.F. 1910. Route 188, Km. 92.
- 234137.** P.F. 1911. Route 188, District of Pergamino, Km. 65.
- 234138.** P.F. 1912. Route 188, District of Pergamino, Km. 58.
- 234139.** P.F. 1913. Route 188, District of Pergamino, Km. 54.
- 234140.** P.F. 1915. Route 188, Guerrico, District of Pergamino.
- 234141.** P.F. 1916. Route 188, District of Pergamino, Km. 47.
- 234142.** P.F. 1917. Route 188, District of San Nicolas, Km. 30.
- 234143.** P.F. 1919. Balcarce, Province of Buenos Aires.
- 234144.** Pergamino.

234110 to 234152—Continued**234145.** *PASPALUM NOTATUM* Fluegge**Bahiagrass.**

P.F. 1892. Sub-Estacion Experimental Colonia Yerua, Province of Entre Rios.

234146 and 234147. *PASPALUM QUADRIFARIUM* Lam.**234146.** P.F. 1889. Estacion Experimental of Oliveros, Province of Santa Fe.**234147.** P.F. 1914. J. A. Pena, District of Pergamino.**234148.** *PASPALUM* sp.

P.F. 1878. Pan-American Highway, Km. 95.

234149. *PASPALUM* sp.

P.F. 1881. Pan-American Highway, Km. 48.

234150. *PASPALUM* sp.

P.F. 1891. Sub-Estacion Experimental, Colonia Yerua, Province of Entre Rios.

234151. *PASPALUM* sp.

P.F. 1894. Sub-Estacion Experimental Colonia Yerua, Province of Entre Rios.

234152. *PASPALUM* sp.

P.F. 1896. Estacion Experimental de Rafaela, Province of Santa Fe.

234153 to 234158. *CAMELLIA JAPONICA* L. Theaceae.**Common camellia.**

From Indonesia. Cuttings presented by the Superintendent, Botanic Garden of Indonesia, Bogor. Received July 23, 1956.

234153. 'Daika-gura'.**234156.** 'Kimi-gayo'.**234154.** 'Flora Alba'.**234157.** 'Senen giki'.**234155.** 'Haikari-gendji'.**234158.** Unnamed.**234159.** *PHOEBE POROSA* Mez. Lauraceae.

From Brazil. Seeds presented by the Agricultural Attache, American Embassy, Rio de Janeiro. Received July 24, 1956.

Collected at Parana.

234160. *DORYCNium HIRSUTUM* Ser. Fabaceae.

From the United States. Seeds presented by the Soil Conservation Service, Pleasanton, California. Received July 24, 1956.

'P-13229'.

234161 to 234191. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Peru. Seeds presented by the Ministerio de Agricultura, La Molina, Lima. Received July 25, 1956.

234161. 'Florence' × 'Aurora 8193'.**234162.** 'Garnet'.**234163.** 'Industrial Argentino'.**234164.** 'Macmubal'.**234165.** 'Marikenya'.**234166.** 'Rhodesian C. 11273'.**234167.** 'Spring Progress'.**234168.** 'Garnet' × 'Kenya 58-28-52'.

234161 to 234191—Continued

234169. 'Garnet' × 'Kenya 58-29-52'.
 234170. 'Kenia 155'.
 234171. 'Klein 40 c. 9606'.
 234172. ('Maria Escobar' × 'Kenya 58') × 'Kenya 58-2-52'.
 234173. 'Maria Escobar' × 'Kenya 58-77-52'.
 234174. ('Maria Escobar' × 'MacMurachy Minn. 2698') × 'Maria Escobar 65-52'.
 234175. 'Maria Escobar' × 'H44-Marquis CI. 11782. 81-52'.
 234176. 'Maria Escobar' × 'H44-Marquis CI. 11782. 104-53'.
 234177. 'Maria Escobar' × 'Marquis CI. 11782. 105-53'.
 234178. 'Maria Escobar' × 'H44-Marquis CI. 11782. 119-53'.
 234179. 'Maria Escobar' × 'H44-Marquis CI. 11782. 121-53'.
 234180. 'Maria Escobar' × A.V. 18/1.1.1.1.1. 83-52.
 234181. 'Maria Escobar' × A.V. 18/1.1.1.1.1. 84-52.
 234182. 'Renown Minn. 2698'.
 234183. 'H44-Marquis'.
 234184. 'Reward-H44-24-716' × 'Rhodesian C. 12273 13-52'.
 234185. 'Reward-H44-24-716' × 'Rhodesian C. 12273 63-53'.
 234186. 'Reward-H44-24-716' × N.A. 101 70-52.
 234187. 'Rewarho-14-52'.
 234188. 'H44-Thatcher'.
 234189. II.34.63.1.2.15.1.1.
 234190. II.34.63.19.9.1.1.
 234191. II.36.160.2.2.2.1.1.1.

234192. CINNAMOMUM CASSIA Blume Lauraceae. **Cassiabark-tree.**
 From Indonesia. Plants presented by Jo Jan Lim, Tanaman Dagang, Bogor.
 Received July 17, 1956.

234193 to 234198. PRUNUS PERSICA (L.) Batsch Amygdalaceae.
Peach.

From the Union of South Africa. Budwood presented by the Division of Horticulture, Pretoria, Transvaal. Received July 25, 1956.

- | | |
|--------------------|----------------------|
| 234193. 'Ghoosen'. | 234196. 'Maluti'. |
| 234194. 'Kakamas'. | 234197. 'Tokane'. |
| 234195. 'Keimoes'. | 234198. 'Woltemade'. |

234199. DATURA METEL L. Solanaceae. **Hindu datura.**

From Puerto Rico. Seeds collected by Bernice G. Schubert, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 21, 1954.

Numbered July 26, 1956.

Col. No. 463a. Cultivated field, road to Cabo Rojo Lighthouse, Cabo Rojo.
 Dec. 3, 1954.

234200 to 234202.

From Great Britain. Seeds presented by the Royal Botanic Garden, Edinburgh, Scotland. Received July 26, 1956.

234200. *LACTUCA BOURGAEI* (Boiss.) Irish & Taylor Cichoriaceae. **Lettuce.**

234201. *LACTUCA MACRORHIZA* (Royle) Hook. f. **Lettuce.**

234202. *LACTUCA PLUMIERI* (L.) Gren. & Godin. **Lettuce.**

234203. *PISUM SATIVUM* L. Fabaceae. **Garden pea.**

From Peru. Seed presented by the Experiment Station, La Molina. Received July 26, 1956.

E.N.A. ('Criolla' × 'Americana').

234204. *LACTUCA DENTATA* (Thunb.) C. B. Robins Cichoriaceae. **Lettuce.**

From Japan. Seed presented by the Department of Agriculture & Forestry, Zentsuji, Kagawa. Received July 26, 1956.

234205. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

From Iran. Seeds presented by the United States Embassy, Tehran. Received July 26, 1956.

'Bam'.

234206 to 234219.

From the Union of South Africa. Seeds presented by P. A. Bydendyk, Kimberley, Cape Province. Received July 26, 1956.

234206 to 234210. *ERAGROSTIS CHLOROMELAS* Steud. Poaceae. **Boer lovegrass.**

234206. ('Brooklyn Strain'—Frankenwald No. 3.)

234207. ('Witbank (a) Strain'—Frankenwald No. 7.)

234208. (Frankenwald No. 79.) Collected 1/18/54.

234209. (Frankenwald No. 81.) Collected 1/11/54.

234210. (Frankenwald No. 88.)

234211 to 234217. *ERAGROSTIS CURVULA* (Schrud.) Nees **Weeping lovegrass.**

234211. ('Basutoland Strain'—Frankenwald No. 91.) Collected 1/23/56.

234212. ('Cullian Strain'—Frankenwald No. 90.) Collected 2/19/56.

234213. ('Ermelo Strain'—Frankenwald No. 9.) Collected 1/28/52.

234214. ('Majuba Strain'.) Collected 2/3/56.

234215. ('Prinshof Strain'—Frankenwald No. 87.) Collected 1/19/56.

234216. ('Schagen Strain'—Frankenwald No. 13.) Collected 2/6/56.

234217. ('Tanganyika'—Frankenwald No. 10.) Collected 1/28/53.

234218 and 234219. *ERAGROSTIS ROBUSTA* Stent **Lovegrass.**

234218. (Frankenwald No. 4.) Collected 1/18/54.

234219. (Frankenwald No. 104.) Collected 1/23/56.

234220 to 234232.

From the Union of South Africa. Plants presented by the Division of Botany, Pretoria, Transvaal. Received July 27, 1956.

Locations given are the original sources.

234220 and 234221. *SANSEVIERIA DESERTI* N. E. Brown Liliaceae.

234220. Barotseland.

234221. Transvaal.

234220 to 234232—Continued

234222 and 234223. *SANSEVIERIA GRANDIS* Hook. f.

234222. Stegi, Swaziland.

234223. Transvaal.

234224. *SANSEVIERIA LONGIFLORA* Sims.

234225 and 234226. *SANSEVIERIA SCABRIFOLIA* Dinter.

234225. Gobabis, Southwest Africa.

234226. Transvaal.

234227. *SANSEVIERIA* sp.

No. 3827. Keiskammahoek District, Cape Province.

234228. *SANSEVIERIA* sp.

No. 3828. Albany District, Cape Province.

234229. *SANSEVIERIA* sp.

No. 3829. Albany District, Cape Province.

234230. *SANSEVIERIA* sp.

No. 3832. Keiskammahoek District, Cape Province.

234231. *SANSEVIERIA* sp.

Biscia Bay, near East London, Cape Province.

234232. *SANSEVIERIA* sp.

Lydenburg, Transvaal.

234233 to 234239. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Northern Rhodesia. Seeds presented by the Mount Makulu Research Station, Lusaka. Received July 27, 1956.

234233. Idaho 1877 NR.AE.

234237. Idaho 1877 NR.BJ.

234234. Idaho 1877 NR.A.G.

234238. Idaho NR.BA. 1880.

234235. Idaho 1877 NR.AH.

234239. Idaho NR.BB. 1880.

234236. Idaho 1877 NR.BD.

234240. LOTUS PURSHIANUS (Benth.) Clements & Clements Fabaceae. Trefoil.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered July 30, 1956.

From a stand of native plants in Los Angeles County, California. Collected about 1945 by the Soil Conservation Service.

234241 to 234243.

From Brazil. Plant material from an unknown donor. Received July 30, 1956.

234241 and 234242. *PERSEA ALBA* Nees Lauraceae.

234241. B 3. Cuttings. From Saramento.

234242. B 3. Seeds. From Saramento.

234243. *PERSEA AMERICANA* Mill.

Avocado.

B 4. Seeds. From Ouro Preto.

234244 and 234245.

From Ireland. Seeds presented by the National Botanic Gardens, Glasnevin, Dublin. Received July 30, 1956.

234244. *LACTUCA PLUMIEPI* (L.) Gren. & Godr. Cichoriaceae. **Lettuce.**

234245. *LACTUCA* sp.

234246 and 234247. LACTUCA MURALIS (L.) Fresen. Cichoriaceae. Lettuce.

From Sweden. Seeds presented by the Jardin Botanique de l'Universite, Uppsala. Received July 31, 1956.

234246. Typical form.

234247. No data available.

234248. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

From New Zealand. Seeds presented by the Grasslands Division, Palmerston. Received Aug. 1, 1956.

'Certified Grassland Strain'.

234249 to 234267.

From the United States. Plants growing at the Regional Plant Introduction Station, Geneva, New York. Numbered Aug. 1, 1956.

Vegetable and forage plants grown from seeds from various sources.

234249 and 234250. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

From Guatemala.

234249. G4830. 'Mayan Black Pod'.

234250. G5274. 'Mayan Scarlet'.

234251 to 234253. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**

234251. G56-31A. 'White Rind Sugar'. Takii & Co., Kyoto, Japan.

234252. G56-31B. From Mendoza, Argentina.

234253. G56-69A. 'Uschiki'. Takii & Co., Kyoto, Japan.

234254 and 234255. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

234254. G56-206. 'Gold Ball'. Stockbridge, Mich.

234255. G56-224. 'Harrow'. Experiment Station, Harrow, Ontario.

234256. *PHASEOLUS LUNATUS* L. Fabaceae. **Lima bean.**

G56-118. 'Winfield Pole'. Painted Post, N.Y.

234257 to 234261. *PHASEOLUS VULGARIS* L. **Common bean.**

234257. G56-108. Bursa, Bursa Province, Turkey.

234258. G56-109. 'Little Jersey White'. Painted Post, N.Y.

234259. G56-110. 'Robin'. Painted Post, N.Y.

234260. G56-111. 'Grand Shell'. Floral Park, N.Y.

234261. G56122. 'Mayan Bean'. Guatemala.

234262 and 234263. *PISUM SATIVUM* L. Fabaceae. **Garden pea.**

234262. G56-79. 'Carlton'. Painted Post, N.Y.

234263. G56-81. 'King Tut'. Oriental Museum, San Jose, Calif.

234264 and 234265. *TRIFOLIUM REPENS* L. Fabaceae. **Whiteclover.**

234264. G56-25. 'Kentish Dwarf'. Ireland.

234265. G56-33. 'Peck Ladino'. Experiment Station, Geneva.

234249 to 234267—Continued**234266.** *VICIA CRACCA* L. Fabaceae.**Bird vetch.**

G56-60. New York 546.

234267. *ZEA MAYS* L. Poaceae.**Corn.**

G56-24. Colombia.

234268 and 234269. *GOSSYPIUM* (hybrids). Malvaceae. **Cotton.**From the Sudan. Seeds presented by the Ministry of Agriculture, Wad Medani.
Received Aug. 3, 1956.**234268.** 'Domian Sakel SR (C) 3278'.**234269.** × 1370 A SR (C) 3279.**234270.** *AVENA SATIVA* L. Poaceae.**Common oats.**From Sweden. Seeds presented by the Sverigeo Utsadesforening, Svalof.
Received Aug. 7, 1956.

'Nip Oata A01600'.

234271 to 234276. *ARACHIS HYPOGAEA* L. Fabaceae.**Common peanut.**

From Nigeria. Seeds held at the Regional Plant Introduction Station, Experiment, Ga. Numbered Aug. 8, 1956.

Obtained in 1952 from the Northern Regional Research Station, Samaru.

234271. 'Castle Cary'.**234274.** 'Natal Common'.**234272.** 'Kano 50'.**234275.** 'Samaru 38'.**234273.** 'Maigardo'.**234276.** 'Tudum Wada'.**234277 and 234278.**

From Peru. Seeds presented by the Estacion Experimental Agricola de Junin, Mantaro, Junin. Received Aug. 9, 1956.

234277. *CHENOPodium QUINOA* Willd. Chenopodiaceae.**Quinoa.**

'Quinoa Blanca'.

234278. *CHENOPodium PALLIDICAULE* Aellen**Goosefoot.**

'Blanca de Puno'.

234279. *RUBUS FLORULENTUS* Focke Rosaceae.

From Puerto Rico. Seeds presented by the Agricultural Experiment Station, Mayaguez. Received Aug. 13, 1956.

234280. *IPOMOEa BATATAS* (L.) Lam. Convolvulaceae.**Sweetpotato.**From Hawaii. Cuttings presented by the University of Hawaii, Honolulu.
Received Aug. 13, 1956.

'G107-C'.

234281. *PERSEA AMERICANA* Mill. Lauraceae.**Avocado.**

From the Canary Islands. Budsticks presented by the Jardin de Aclimatacion de la Orotava, Tenerife. Received Aug. 13, 1956.

'Tesen'.

234282. *CITRUS* sp. Rutaceae.From New Caledonia. Seeds presented by the Service de l'Agriculture, Noumea.
Received Aug. 14, 1956.

234283. ANAGYRIS FOETIDA L. Fabaceae.

From Israel. Seeds presented by the Department of Forests, Forest Research Station, Ilanot, Nathanya. Received Aug. 14, 1956.

234284. FRAGARIA HAYATAI Makino Rosaceae. Strawberry.

From China. Plants presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received Aug. 15, 1956.

234285 and 234286. DATURA CANDIDA (Pers.) Safford Solanaceae.

From Colombia. Seeds collected by Arthur Barclay and Richard E. Schultes, Harvard Botanical Museum, Cambridge, Mass. Received Aug. 14, 1956.

From Sibundoy, July 31, 1956.

234285. No. 307.

234286. No. 311.

234287. CITRULLUS VULGARIS Schrad. Cucurbitaceae. Watermelon.

From Portugal. Seeds collected by E. H. Toole, Plant Industry Station, Beltsville, Md. Received Aug. 15, 1956.

From Lisbon.

234288. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From Spain. Seeds collected by E. H. Toole, Plant Industry Station, Beltsville, Md. Aug. 15, 1956.

'Valencia'. From Seville.

234289 and 234290.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique du Congo Belge, Mulungu, Kivu. Received Aug. 16, 1956.

234289. COFFEA CONGENSIS Froehn. Rubiaceae. Coffee.

234290. COFFEA KIVUENSIS Lebrun Coffee.

234291 to 234298.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra City. Received Aug. 16, 1956.

234291. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

V. 102.

234292. MEDICAGO TRIBULOIDES Desr. Barrel medic.

N. 522.

234293. TRIFOLIUM FRAGIFERUM L. Fabaceae. Strawberry clover.

V. 103.

234294. TRIFOLIUM REPENS L. Whiteclover.

V. 101.

234295 to 234298. TRIFOLIUM SUBTERRANEUM L. Subterranean clover.

234295. V. 88. 'Mount Barker'.

234296. V. 90. 'Tallarook'.

234297. V. 91. 'Dwalganup'.

234298. V. 104. 'Bacchus Marsh'.

234299 to 234302.

From Turkey. Bulbs obtained through the Istituto Botanico, Florence, Italy.
Received Aug. 17, 1956.

234299. CROCUS sp. Iridaceae.

234300. MUSCARI sp. Liliaceae.

234301. ORNITHOGALUM sp. Liliaceae.

234302. SCILLA sp. Liliaceae.

234303 and 234304. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From Yugoslavia. Seeds presented by the Agricultural Institute, Zajecar, Serbia.
Received Aug. 17, 1956.

234303. C.B. 3034.

234304. C.B. 3035.

234305 to 234309. ORYZA SATIVA L. Poaceae. Common rice.

From India. Seeds presented by the Central Rice Research Institute, Cuttack, Orissa. Received Aug. 17, 1956.

234305. G.S. 84.

234308. G.S. 565.

234306. G.S. 398.

234309. G.S. 807.

234307. G.S. 400.

234310. TRIFOLIUM VESICULOSUM Savi Fabaceae. Clover.

From Italy. Seeds presented by the Food and Agricultural Organization, of the United Nations, Rome. Received Aug. 22, 1956.

FAO-4115. Collected near Rome.

234311. HYMENOCALLIS sp. Ameryllidaceae.

From France. Bulbs collected by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Aug. 22, 1956.

Col. No. 16097. 11 km. southwest of Montpellier. Plant caespitose; flowers white.

234312. PRUNUS SERRULATA Lindl. Amygdalaceae. Oriental flowering cherry.

From the United States. Tree growing at the United States Plant Introduction Garden, Glenn Dale, Maryland. Numbered Aug. 22, 1956.

(B 45021) 'Shiro-fugen'. Apparently resistant to a number of viruses.

234313 and 234314.

From India. Seeds presented by the Indian Botanic Garden, Sibpur, Howrah. Received Aug. 22, 1956.

234313. BARRINGTONIA ACUTANGULA (L.) Gaertn. Lecythidaceae.

234314. BAUHINIA ACUMINATA L. Caesalpinaceae. **Snowy bauhinia.**

234315 and 234316.

From Hawaii. Seeds presented by the Division of Forestry, Hilo. Received Aug. 23, 1956.

234315. IPOMOEA PES-CAPRAE (L.) Roth Convolvulaceae. **Morning-glory.**

234316. OPERCULINA TUBEROSA (L.) Meisn. Convolvulaceae.

234317. PASSIFLORA LIGULARIS Juss. Passifloraceae.**Sweet granadilla.**

From Peru. Seeds presented by the Programa Cooperativa de Experimentacion, Lima. Received Aug. 23, 1956.

'Granadilla'.

234318 to 234321. LITCHI CHINENSIS Sonner. Sapindaceae. Lychee.

From India. Plants obtained through the Agricultural Attache, United States Embassy, New Delhi. Received Aug. 24, 1956.

234318. 'Calcutta'.

234320. 'Late Seedless'.

234319. 'Early Large Red'.

234321. 'Rose Scented'.

234322. HORDEUM sp. Poaceae.

From Belgium. Seeds presented by the Station de Recherches de l'Etat pour l'Amelioration des Plantes de Grande Culture, Gembloux. Received Aug. 27, 1956.

'Manon'.

234323. THEOBROMA CACAO L. Sterculiaceae.**Cacao.**

From Costa Rica. Seeds presented by the Servicio Tecnico Inter-Americano de Cooperacion Agricola, San Jose. Received Aug. 27, 1956.

234324. (Undetermined.)

From Switzerland. Plants collected by H. S. Gentry, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Aug. 29, 1956.

Col. No. 16285. Schmitten, eastern Switzerland. Elevation 1,300 meters. Plant perennial: flowers yellow.

234325. GOSSYPIUM sp. Malvaceae.

From Nicaragua. Seed presented by the Servicio Tecnico Agricola de Nicaragua, Managua. Received Aug. 29, 1956.

Wild type.

234326. PRUNUS AVIUM L. Amygdalaceae.**Sweet cherry.**

From Great Britain. Budwood presented by the East Malling Research Station, East Malling, Kent, England. Received Aug. 30, 1956.

'Merton Glory'.

234327 to 234336. COFFEA CANEPHORA Pierre ex Froehn. Rubiaceae.**Coffee.**

From Indonesia. Seeds presented by the Experiment Station, Bogor. Received Sept. 4, 1956.

234327. BP 4.

234332. BP 358.

234328. BP 25.

234333. SA 13.

234329. BP 39.

234334. SA 34.

234330. BP 42.

234335. SA 237.

234331. BP 46.

234336. Rob. BG No. 300.

234337 to 234340. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Pureto Rico. Cuttings presented by the Agricultural Experiment Station, Rio Piedras. Received Sept. 4, 1956.

234337. 981.

234339. 1016.

234338. 1013.

234340. 1019.

234341. PRUNUS ALVIUM L. Amygdalaceae. Sweet cherry.

From Great Britain. Seeds presented by the John Innes Horticultural Institution, Bayfordbury, Hertford, Herts, England. Received Sept. 5, 1956.

Collected from open-pollinated, self-fertile seedlings.

234342. AMHERSTIA NOBILIS Wall. Caesalpiniaceae.

From the British West Indies. Plants presented by the Director of Agriculture, Hope, Jamaica. Received Sept. 6, 1956.

Grown at Castleton Gardens, St. Mary.

234343. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Argentina. Seeds presented by the Instituto de Botanica, Buenos Aires. Received Sept. 6, 1956.

'Saladina'.

234344 to 234352. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From Argentina. Seeds presented by the Ministerio de Agricultura, Buenos Aires. Received Sept. 6, 1956.

234344. 'Acala'. CV SP. 6. (Red plants.)

234345. 'Cartaus de Santa Lucia'. CV SP. 15.

234346. 'Catamovea'. CV SP. 4.

234347. 'Leniado'. CV SP. 5.

234348. 'Brown Bryner'. CV SP. 1.

234349. 'Green-lint'. CV SP. 3.

234350. 'Naar Keen' (brown). CV SP. 2.

234351. SP 184-13 (85 × SL 452).

234352. SPR 80 (SP 85 × Acala).

234353 to 234356. ORYZA SATIVA L. Poaceae. Common rice.

From China. Seeds presented by the Director of Agriculture, Taiwan Agricultural Research Institute, Taipei, Taiwan. Received Sept. 6, 1956.

234353. 'Chia Nong Yu 242'. Blast resistant.

234354. 'Chai Nong Yu 280'. Blast resistant.

234355. 'Kunshan-Wu-Shiang-Keng'. Blast susceptible.

234356. 'Kwangfu 1'. Blast resistant.

234357. MERIANIA NOBILIS Triana Melastomaceae.

From Colombia. Seeds presented by the Facultad de Agronomia Medellin. Received Sept. 6, 1956.

234358. CHRYSANTHEMUM CINERARIAEFOLIUM Trevir. Asteraceae. Pyrethrum.

From Ecuador. Seeds presented by the United States Operations Mission, Quito. Received Sept. 6, 1956.

234359 to 234368. TRITICUM AESTIVUM L. Poaceae.

Common wheat.
From Egypt. Seeds presented by the Plant Breeding Section, Giza. Received Sept. 7, 1956.

234359. L 1305/2028.

234364. L 1351/2331.

234360. L 1346/2148.

234365. L 1354/2343.

234361. L 1346/2156.

234366. L 1354/2346.

234362. L 1351/2281.

234367. L 1363/2351.

234363. L 1351/2286.

234368. L 1364/2401.

234369 to 234373. GOSYPIUM (hybrids). Malvaceae. Cotton.

From Argentina. Seeds presented by the Estacion Experimental Agricola, La Banda, Santiago del Estero. Received Sept. 7, 1956.

234369. 'Donains'. 234372. 'Menoufi'.

234370. 'Giza 7'. 234373. X1730A.

234371. La. Ll.

234374 to 234376. ARACHIS HYPOGAEA L. Fabaceae.

Common peanut.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received Sept. 7, 1956.

234374. 'Kinorales'. Originally from the Philippines.

234375. 48B-146. Originally from Mainland China.

234376. 'Tainana Pai-yu-tou No. 1'.

234377. MARTYNIA FRAGRANS Lindl. Martyniaceae.

From Mexico. Seeds presented by Christian Halbinger, "El Troquel", Mexico City. Received Sept. 10, 1956.

Annual; leaves cordate, serrate; flowers large, purple, bright yellow streaks along lower lip. Native to Mexico.

234378 and 234379. CITRUS NOBILIS var. UNSHIU Swingle Rutaceae. Satsuma orange.

From Japan. Seeds presented by the Citrus Experiment Station, Shimizu, Shizuoka. Received Sept. 11, 1956.

234378. 'Fugawa'.

234379. 'Nishiyama'.

234380 to 234388. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Jordan. Seeds collected by Harley W. Roath, Jubeiha School, Amman. Received Sept. 11, 1956.

234380. 'Durz Karaki'. 234385. 'Salti Naimya'.

234381. F-8. 234386. 'Salti Qattma'.

234382. 'Horani Newawi'. 234387. 'Sutra Ma'an'.

234383. Italian variety. 234388. 'Zugbieh Sutra'.

234384. 'Karaki Hamra'.

234389. INDIGOFERA ENDECAPHYLLA Jacq. Fabaceae.

Creeping indigo.

From Guatemala. Seed presented by the Servicio Cooperativo Inter-Americano de Agricultura, Guatemala City. Received Sept. 11, 1956.

234390 to 234394.

From the Canary Islands. Seed presented by the Jardin de Aclimatacion, Puerto de la Cruz, Tenerife. Received Sept. 11, 1956.

234390. IPOMOEA LEARI Paxt. Convolvulaceae. **Morning-glory.**

234391. IPOMOEA PALMATA Forsk. **Morning-glory.**

234392. IPOMOEA RUBRO-CAERULEA Hook. **Morning-glory.**

234393. OPERCULINA TUBEROSA (L.) Meisn. Convolvulaceae.

234394. QUAMOCLIT LOBATA (Cerv.) House Convolvulaceae. **Crimson starglory.**

234395 to 234399.

From Southern Rhodesia. Seeds presented by Edwin A. Menninger, Stuart, Fla.
Received Sept. 12, 1956.

Originally obtained from Salisbury.

234395. *ACOKANTHERA LONGIFLORA* Stapf Apocynaceae.

234396. *BAUHINIA TAITENSIS* Taub. Caesalpinaceae.

234397. *MELALEUCA RADULA* Lindl. Myrtaceae.

234398. *SUTHERLANDIA FRUTESCENS* (L.) R. Br. Fabaceae.

234399. *XYLOTHECA KOTZEI* Phillips Flacourtiaceae.

234400 to 234407. TRIFOLIUM REPENS L. Fabaceae. Whiteclover.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Division of Plant Industry, Canberra City. Received Sept. 12, 1956.

234400. C.P.I. 18409 (T. 53). Wild type. Origin Yannena, Greece.

234401. T. 11—Diploid 114-4. Origin Strathpine, Queensland.

234402. T. 12—Diploid 114-3. Origin Strathpine, Queensland.

234403. T. 13—Diploid 128-3.

234404. T. 15—Diploid 128-3.

234405. 'Irrigation'.

234406. 'Louisiana'.

234407. 'New Zealand'.

234408. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Costa Rica. Seeds presented by the Servicio Tecnico Inter-Americano de Cooperacion Agricola, San Jose. Received Sept. 12, 1956.

234409 to 234413.

From Kenya. Seeds presented by the Grassland Research Station, Department of Agriculture, Kitale. Received Sept. 12, 1956.

234409. *LOTONONIS BAINESII* Baker Fabaceae.

234410. *SETARIA* sp. Poaceae.

'Nandi'. K 53175.

234411. *TRIFOLIUM RUPPELLIANUM* Fresen. Fabaceae.

Clover.

K 54335.

234412. *TRIFOLIUM SEMIPILOSUM* Fresen.

Clover.

K 5154.

234413. *TRIFOLIUM* sp.

234414. DESMODIUM OVALIFOLIUM Guill. & Perr. Fabaceae.

Tickclover.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Sept. 13, 1956.

234415. INDIGOFEA SUFFRUTICOSA Mill. Fabaceae. Indigo.

From Peru. Seeds obtained by the International Cooperation Administration, Lima. Received Sept. 14, 1956.

Collected near Tingo Maria.

234416 to 234428.

From China. Seeds presented by the Tainan District Agriculture Improvement Station, Tainan, Taiwan. Received Sept. 14, 1956.

234416 to 234423. *ARACHIS HYPOGAEA* L. Fabaceae. Common peanut.

234416. 'Lung Tan You Dou'. 234420. 'Tainan No. 2'.

234417. 'Pei Kang Pe You Dou'. 234421. 'Tainan No. 5'.

234418. P-49B-146. 234422. 'Tsing Dao'.

234419. 'Tainan No. 1'. 234423. 'Yuan Yang Dou'.

234424 to 234428. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.

234424. 'Tainan Black No. 1'. 234427. 'Tainan White No. 1'.

234425. 'Tainan Black No. 2'. 234428. 'Tainan White No. 2'.

234426. 'Tainan Black Selected'.

234429 to 234431.

From France. Seeds presented by the Museum National d'Histoire Naturelle, Paris. Received Sept. 17, 1956.

234429. *IPOMOEA HEDERACEA* Jacq. Convolvulaceae. Morning-glory.

234430. *IPOMOEA PURPUREA* (L.) Roth. Common morning-glory.

234431. *IPOMOEA RUBRO-CAERULEA* Hook. Morning-glory.

234432 to 234436. *SACCHARUM* (hybrids). Poaceae. Sugarcane.

From Argentina. Cuttings presented by the Ministerio de Agricultura, Buenos Aires. Received Sept. 17, 1956.

234432. CB 42/1. 234435. Tuc 1149.

234433. CO 421. 234436. Tuc 2645.

234434. Tuc 1111.

234437. *SACCHARUM* (hybrid). Poaceae. Sugarcane.

From Mexico. Cuttings presented by Justo P. Ojeda Herrera, Cacachatan, Chiapas. Received Sept. 17, 1956.

C.P. 36-154.

234438. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

From Argentina. Seeds presented by the Santiago del Estero Experiment Station, La Banda. Received Sept. 17, 1956.

'Saladina'.

234439 to 233450.

From Belgium. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 18, 1956.

From the Ryksstation Voor Plantenveredeling, Lemberge, July 24, 1956.

234439. *ARRHENATHERUM ELATIUS* (L.) Beauv. Poaceae. Tall oatgrass.

Col. No. 16109. Unselected material.

234440. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

Col. No. 16110. Improved strain; excellent in pasture.

234441 and 234442. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.

234441. Col. No. 16098. Improved commercial strain; hay type.

234442. Col. No. 16101. Excellent uniform strain for pasture.

234439 to 234450—Continued

- 234443.** *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**
Col. No. 16107. A Flemish variety; leafy; similar to 'Dupuis'.
- 234444 and 234445.** *PHLEUM PRATENSE* L. Poaceae. **Timothy.**
234444. Col. No. 16099. Improved commercial strain; pasture type.
234445. Col. No. 16108. Improved commercial strain; hay type.
- 234446 to 234449.** *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**
234446. Col. No. 16102. Diploid; local farm selection.
234447. Col. No. 16103. Diploid; local farm selection.
234448. Col. No. 16104. Improved strain.
234449. Col. No. 16105. Tetraploid selected from colchicine treatment.
High percentage of two-seeded pods.
- 234450.** *TRIFOLIUM REPENS* L. Fabaceae. **White clover.**
Col. No. 16106. 'Blanca'.

234451 to 234456.

From Japan. Seeds presented by the National Hygienic Laboratory, Saitama-ken.
Received Sept. 18, 1956.

- 234451.** *CAMELLIA SINENSIS* (L.) Kuntze. Theaceae. **Tea.**
234452. *LINUM STELLEROIDES* Planch. Linaceae. **Flax.**
234453. *MENTHA SPICATA* L. Menthaceae. **Spearmint.**
234454. *RUMEX ANDREANUS* Makino Polygonaceae. **Dock.**
234455. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
234456. *SORGHUM VULGARE* Pers. Poaceae.

234457. SORGHUM VULGARE Pers. Poaceae.

From Jordan. Seeds presented by the Tulkarm, Kadourie Agricultural School,
Amman. Received Sept. 18, 1956.

'Staium'.

234458. MANDEVILLA SPLENDENS (Hook.) R. H. Woodson
Apocynaceae.

From the United States. Plants growing at the United States Plant Introduction
Garden, Glenn Dale, Maryland. Numbered Sept. 18, 1956.

From Longwood Gardens, Kennett Square, Pa.

234459 to 234492.

From Spain. Seeds collected by H. S. Gentry and H. Schoth, Agricultural
Explorers, Plant Introduction Section, Horticultural Crops Research Branch,
Beltsville, Md. Received Sept. 18, 1956.

Collected June and July, 1956.

- 234459.** *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae. **Crested wheatgrass.**
Bujaraloz. No field note.

234460 to 234467. ARRHENATHERUM ELATIUS (L.) Presl Poaceae.

Tall oatgrass.

- 234460.** Col. No. 15995. Six km. south of Los del Rey Catolico, Aragon.
Tall caney perennial.
- 234461.** Col. No. 16001. Near San Guesa, Aragon. Fine-leaved perennial.
- 234462.** Col. No. 16038. Alluvial river bank, Boltana, Pyrenees Mountains.
Tall perennial.

234459 to 234492—Continued

234463. Col. No. 16011. Near Tiermas, Pyrenees Mountains. Elevation 800 meters. Plants small, spindly.

234464. Col. No. 16048. Dry rocky slope 30 km. west of Carinena, Aragon. Drought-inhibited perennial.

234465. Col. No. 16054. Protected area, Montalban, Teruel Province. Elevation 1,000 meters. Tall perennial; seeds along spikes ripen simultaneously, not free-falling.

234466. Col. No. 16055. Montalban, Teruel Province. Elevation 1,000 meters. Plant unusually tall; seeds maturing uniformly.

234467. Col. No. 16062. Montalban, Forest nursery, Teruel Province. Originally from Aineto, Pyrenees Mountains. Plant subject to smut; seeds free-falling.

234468. *AVENA BROMOIDES* Gouan Poaceae. Oats.

Col. No. 15978. Above Perdeguera, Aragon Province. Elevation 500 meters. Xerophytic perennial; palatable.

234469. *AVENA* sp.

Col. No. 15991. Six km. south of Los del Rey Catolico, Aragon. Perennial; blades few, tender.

234470. *AVENA* sp.

Col. No. 16030. Dry, stony ground near Jaca, Pyrenees Mountains. Elevation 800 meters. Perennial, sparsely tufted.

234471. *BROMUS TOMENTELLUS* Boiss. Poaceae. Bromegrass.

Col. No. 15999. Near San Guesa, Aragon. Perennial, small; leaves tender.

234472. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

Col. No. 15970. Madrid. Plant slender, xerophytic ecotype.

234473 and 234474. *DACTYLIS GLOMERATA* var *HISPANICA* (Roth) Duby Orchardgrass.

234473. Col. No. 15974. Near Perdiguera, Aragon Province. Small, xerophytic, tufted perennial.

234474. Col. No. 15980. Fifteen km. west of Sarinena, Aragon Province. Elevation 400 meters. Xerophytic, salt tolerant, small perennial.

234475 to 234477. *DACTYLIS GLOMERATA* L. Orchardgrass.

234475. Col. No. 15984. Twelve km. southwest of Sarinena, Aragon Province. Elevation 400 meters. Small xerophytic ecotype, tufted, palatable, perennial.

234476. Col. No. 16039. Rocky soil near Tiermas, Pyrenees Mountains. Small, tufted perennial

234477. Col. No. 16039. Near Boltana, Pyrenees Mountains. Vigorous perennial; leaves broad; seeding heavily.

234478. *FESTUCA OVINA* L. Poaceae. Sheep fescue.

Col. No. 16000. Near San Guesa, Aragon. Fine-leaved perennial.

234479. *LINUM* sp. Linaceae.

Col. No. 16061. Montalban, Teruel Province. Elevation 1,000 meters. Perennial; flowers blue.

234480. *MEDICAGO ORBICULARIS* (L.) All. Fabaceae. Buttonclover.

Col. No. 16010. Near Tiermas, Pyrenees Mountains, Elevation 800 meters. Prostrate annual.

234459 to 234492—Continued

234481 and 234482. *MEDICAGO SATIVA* L.

Alfalfa.

234481. Col. No. 15977. Above Periguera, Aragon Province. Spontaneous perennial, spreading, rhizomatous, drought-resistant.

234482. Col. No. 15987. About 20 km. southwest of Sarinena, Aragon Province. Elevation 400 meters. Spreading xerophytic perennial; leaves fine; stems fine.

234483. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. Poaceae. Smilgrass.

No field note. South of Los del Rey Catolico, Aragon Province.

234484. *POA PRATENSIS* L. Poaceae.

Kentucky bluegrass.

Col. No. 15997. Dry hillside 6 km. south of Los del Rey Catolico, Aragon Province. Tufted perennial.

234485 and 234486. *SANGUISORBA MINOR* Scop. Rosaceae. Small burnet.

234485. Col. No. 16006. Near Tiermas, Pyrenees Mountains. Elevation 800 meters. Low herb, spreading, open habit; palatable.

234486. Col. No. 16053. Grassy slope, Montalban, Teruel Province. Elevation 1,000 meters. Herb eaten by sheep.

234487 and 234488. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

234487. Col. No. 16035. Pasture above Boltana, Pyrenees Mountains. Plant cut for hay.

234488. Col. No. 16043. Rocky roadside near Mediano, foothills of Pyrenees Mountains. Spontaneous perennial.

234489 to 234491. *TRIFOLIUM REPENS* L. Fabaceae.

Whiteclover.

234489. Col. No. 16003. Rocky soil near Tiermas, Pyrennes Mountains. Elevation 800 meters. Low, spreading perennial.

234490. Col. No. 16018. Below Punto de Comport, Pyrenees Mountains. Elevation 1,000 meters. Thriving, leafy perennial; an improved strain.

234491. Col. No. 16034. Parque Nacional de Ordesa, Pyrenees Mountains. Elevation 1,000 meters. Succulent stems; flowers turning pink.

234492. *VICIA SATIVA* L. Fabaceae.

Common vetch.

Col. No. 15973. Madrid. Winter and spring annual.

234493. *LOTUS PEDUNCULATUS* Cav. Fabaceae.

Trefoil.

From Sweden. Plants collected by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 18, 1956.

Col. No. 16363. Six km. east of Lund.

233494. *IPOMOEA PURPUREA* (L.) Roth Convolvulaceae.

Common morning-glory.

From Great Britain. Seed presented by the University Botanic Garden, Cambridge, England. Received Sept. 19, 1956.

234495 to 234514. *SACCHARUM* (hybrids). Poaceae.

Sugarcane.

From Hawaii. Cuttings presented by the Experiment Station, Hawaii Sugar Planters' Association, Honolulu. Received Sept. 19, 1956.

234495. 49-5.

234501. 51-4336.

234496. 49-104.

234502. 32-6171.

234497. 36-1102.

234503. 51-9002.

234498. 27 MQ-1124.

234504. 51-9020.

234499. 48-2094.

234505. 53-9219.

234500. 48-4178.

234506. 53-9276.

234495 to 234514—Continued

234507. 53-9295.	234511. 53-9427.
234508. 53-9379.	234512. 53-9430.
234509. 53-9413.	234513. 53-9437.
234510. 53-9417.	234514. 53-9454.

234515 and 234516.

From Belgium. Seeds presented by the Botanic Garden, Brussels. Received Sept. 19, 1956.

234515. *IPOMOEA HEDERACEA* Jacq. Convolvulaceae. **Ivy leaf morning-glory.**

234516. *IPOMOEA PURPUREA* (L.) Roth **Common morning-glory.**

234517. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

From the United States. Seeds held at the Regional Plant Introduction Station, Experiment, Georgia. Numbered Sept. 20, 1956.

SC50. (Ashley $\times$ P.I. 197087) $\times$ Ashley. From Clemson College Truck Experiment Station, Charleston, S.C. Plant early and productive; fruits at market stage about 7 inches long, dark green. Resistance to anthracnose and powdery mildew high; downy mildew resistance superior to any variety now available.

234518 to 234557.

From the United States. Plants growing at the United States Plant Introduction Garden, Coconut Grove, Florida. Numbered Sept. 30, 1956.

234518 to 234529. *HEVEA* (hybrids). Euphorbiaceae. **Rubbertree.**

From Belterra, Brazil, July 6, 1956.

234518. FX-637 F-4542 $\times$ Tj-1.

234519. FX-3652 PB-86 $\times$ FB-38.

234520. FX-3766 AV-183 $\times$ FB-110.

234521. FX-3844 AV-183 $\times$ FB-45.

234522. FX-3910 F-4542 $\times$ AV-363.

234523. FX-4071 F-4542 $\times$ PB-86.

234524. FX-4072 F-4542 $\times$ PB-86.

234525. FX-4073 F-4542 $\times$ PB-86.

234526. FX-4098 PB-86 $\times$ FB-74.

234527. FX-4245 AV-183 $\times$ FB-110.

234528. IAN-2567 FX-4068 (F-4542 $\times$ PB-86) AV-256.

234529. IAN-2962 FX-4073 (F-4542 $\times$ PB-86) $\times$ PB-86.

234530. *HEVEA PAUCIFLORA* (Benth.) Muell.-Arg. **Rubber tree.**
P-9. A seedling tree selection.

234531 to 234557. *THEOBROMA CACAO* Sterculiaceae. **Cacao.**

234531 to 234544. Budwood from Mayaguez, Puerto Rico. Aug. 8, 1956.
Clones; originally from Trinidad, unless otherwise indicated.

234531. BTC-28. Puerto Rico. **234538.** ICS-91.

234532. Catongo. Brazil. **234539.** ICS-95.

234533. ICA-80. Puerto Rico. **234540.** ICS-1.

234534. ICS-6. **234541.** SCA-6.

234535. ICS-45. **234542.** UF-650. Costa Rica.

234536. ICS-46. **234543.** UF-667. Costa Rica.

234537. ICS-89. **234544.** UF-676. Costa Rica.

234518 to 234557—Continued

234545 to 234552. Budwood from the International Cooperation Administration, Bahia, Brazil. July 24, 1956.

Clones; originally from Brazil.

234545. SIC-1.

233549. SIC-5.

233546. SIC-2.

234550. SIC-6.

234547. SIC-3.

234551. SIC-7.

234548. SIC-4.

234552. Catongo. Seeds white; mutation of 'Forastero'.

234553 to 234557. Rooted cuttings from Turrialba, Costa Rica. July 20, 1956.

Clones; origin Costa Rica.

234553. UF-221.

233556. UF-667.

234554. UF-613.

234557. UF-676.

234555. UF-650.

234558. ERAGROSTIS sp. Poaceae.

From Chile. Seeds presented by Coprogran Ltda., Santiago. Received Sept. 24, 1956.

234559. LOTUS PEDUNCULATUS Cav. Fabaceae.

Trefoil.

From Denmark. Plants collected by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 21, 1956.

Col. No. 16369. Bregentved Estate, southwest of Koge. Stems decumbent, 1 meter long, rooting along ground.

234560 to 234572. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Northern Sugar Experiment Station, Cairns. Received Sept. 21, 1956.

234560. D. 209.

234567. K. 641.

234561. D. 285.

234568. K. 658.

234562. D. 363.

234569. K. 696.

234563. G. 331.

234570. Q. 31.

234564. G. 362.

234571. Q. 39.

234565. H. 265.

234572. Q. 6A.

234566. I. 209.

234573 to 234576. CITRUS SINENSIS (L.) Osbeck Rutaceae.

Sweet orange.

From Surinam. Seeds and budsticks presented by the Citrus Section of the Department of Agriculture, Paramaribo. Received Sept. 21, 1956.

234573. 'Kawatta 202'. (Budsticks).

234574. 'Kawatta 202'. (Seeds).

234575. 'Kawatta 71'. (Seeds).

234576. 'Surino'. (Seeds).

234577 to 234581. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Puerto Rico. Cuttings presented by the Agricultural Experiment Station, Rio Piedras. Received Sept. 21, 1956.

234577. P.R. 914.

234580. P.R. 1016.

234578. P.R. 1002.

234581. 'Cana Criolla'.

234579. P.R. 1009.

234582 and 234583. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From the United States. Plants growing at the United States Plant Introduction Garden, Coconut Grove, Florida. Numbered Sept. 30, 1956.

Budwood received from Tingo Maria, Peru, Nov. 8, 1955.

234582. Pound-2230-7 Clone. Origin Trinidad.

234583. Pound-2231-12 Clone. Origin Trinidad.

234584 to 234590.

From Colombia. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Sept. 24, 1956.

Originally presented as tubers by the Rockefeller Foundation, Bogota.

234584 to 234586. SOLANUM ANDIGENUM Juz. & Buk. Solanaceae.

234584. No. 818. 'Jabonilla'.

234585. No. 140. 'Ojo de Buey'.

234586. No. 327. 'Parda'.

234587 and 234588. SOLANUM RYBINII Juz. & Buk.

234587. No. 88. 'Pepina Colorada'.

234588. No. 1. 'Soliman'.

234589 and 234590. SOLANUM (hybrids).

234589. 50-57-59.

234590. 50-57-67.

234591 to 234593. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Argentina. Tubers presented by the Facultad de Agronomia, Tucuman. Received Sept. 24, 1956.

234591. 'Blanca' o 'Tuilla'.

234592. No. 490.

234593. No. 477.

234594. DELONIX REGIA (Boj.) Raf. Caesalpinaceae.

From India. Seeds presented by the Director of Horticulture, New Delhi. Received Sept. 24, 1956.

234595 to 234634.

From various sources as indicated. Seeds presented by R. E. McCurry, Birmingham, Mich. Received Sept. 24, 1956.

234595. ALLIUM CEPA L. Liliaceae.

Onion.

Melbourne, Australia.

234596 to 234598. APIUM GRAVEOLENS L. Apiaceae.

Celery.

234596. 'South Australian White'. Sydney, Australia.

234597. 'Cooper's Giant Green Dewcrisp'. Auckland, New Zealand.

234598. 'White Plume'. Johannesburg, South Africa.

234599. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae.

Broccoli.

'Early Green Glazed'. Sydney, Australia.

234600 and 234601. BRASSICA PEKINENSIS (Lour.) Rupr. Chinese cabbage.

234600. 'Chihli'. Sydney, Australia.

234601. 'Wong Bok'. Sydney, Australia.

234602. BRASSICA OLERACEA var. CAPITATA L.

Cabbage.

'Enfield Market'. Melbourne, Australia.

234595 to 234634—Continued

- 234603 to 234605. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.
234603. Mixed. Auckland, New Zealand.
234604. No. 1. 'Ong Hock Bee King of Melon'. Singapore.
234605. No. 2. 'Ong Hock Bee King of Melon'. Singapore.
- 234606 and 234607. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.
234606. 'Green Flesh Honeydew'. Johannesburg, South Africa.
234607. 'Sweet Melon'. Pietermaritzburg, Natal, South Africa.
- 234608 to 234610. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. Squash.
234608. 'Queensland Blue'. Johannesburg, South Africa.
234609. 'Queensland Blue (Beaudesert.)' Melbourne, Australia.
234610. 'Turks Cap'. Sydney, Australia.
234611. *CUCURBITA MOSCHATA* Duchesne Cucurbitaceae. Cushaw.
- 'Pampoen—Flat Boer'. Johannesburg, South Africa.
234612. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. Squash.
- 'Flat Boer'. Johannesburg, South Africa.
234613. *CUCURBITA MOSCHATA* Duchesne Cucurbitaceae. Cushaw.
- 'Long Green Bush'. Johannesburg, South Africa.
- 234614 to 234618. *CUCURBITA PEPO* L. Cucurbitaceae. Pumpkin.
234614. 'Little Gem'. Johannesburg, South Africa.
234615. 'Long White Bush'. Johannesburg, South Africa.
234616. 'Long Green Bush'. Johannesburg, South Africa.
234617. 'Skorsie'. Johannesburg, South Africa.
234618. 'Long White Bush'. Sydney, Australia.
- 234619 to 234623. *DAUCUS CAROTA* L. Apiaceae. Carrot.
234619. 'Cape Market'. Johannesburg, South Africa.
234620. 'Chantenay'. Johannesburg, South Africa.
234621. 'Oxheart'. Johannesburg, South Africa.
234622. 'Taranaki Improved'. New Zealand.
234623. 'Cooper's Taranaki Strong Top'. New Zealand.
234624. *LACTUCA SATIVA* L. Cichoriaceae. Garden lettuce.
- 'Webb's Wonderful'. Johannesburg, South Africa.
- 234625 to 234628. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
234625. 'Grosse Lisse'. Melbourne, Australia.
234626. 'Gross Lisse'. Melbourne, Australia.
234627. 'Tatura Dwarf Globe'. Melbourne, Australia.
234628. 'San Marzano'. Johannesburg, South Africa.
234629. *PHASEOLUS COCCINEUS* L. Fabaceae. Scarlet runner bean.
- 'Super Mammoth'. Auckland, New Zealand.
234630. *RHEUM RHAPONTICUM* L. Polygonaceae. Common rhubarb.
- 'Victoria'. Origin not given.

234595 to 234634—Continued

234631 and 234632. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.

234631. 'Black Beauty'. Johannesburg, South Africa.

234632. 'Early Round Purple'. Johannesburg, South Africa.

234633 and 234634. *VICIA FABA* L. Fabaceae. Broadbean.

234633. 'Leviathan (Long Pod)'. Melbourne, Australia.

234634. 'Giant Long Pod'. Australia.

234635. *ANGULOA CLOWSEI* Lindl. Orchidaceae.

From Colombia. Plant presented by R. E. Schultes, Bogota. Received Sept. 24, 1956.

From Antioquia.

234636 to 234654.

From Spain. Seeds collected by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 24, 1956.

Collected June 28 through July 7, 1956.

234636. *ASTRAGALUS* sp. Fabaceae.

Col. No. 16058. Dry hillside, Montalban, Teruel Province. Elevation 1,000 meters. Prostrate herb.

234637. *ASTRAGALUS* sp.

Col. No. 16059. Montalban, Teruel Province. Elevation 1,000 meters. Low herb, perennial, caespitose; reported eaten by cattle.

234638. *BUXUS SEMPERVIRENS* L. Buxaceae. Common box.

Col. No. 16044. Thirty-seven km. northeast of Barbastio, Pyrenees foothills. Rocky slopes of middle elevation.

234639. *HEDYSARUM HUMILE* L. Fabaceae.

Col. No. 15968. About 20 km. southwest of Saricena, Aragon Province. Elevation 400 meters. Low perennial furnishing palatable browse.

234640 to 234643. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

234640. Col. No. 15982. Seven km. southeast of Sarinena, Aragon Province. Elevation 350 meters.

234641. Col. No. 15983. Seven km. southeast of Sarinena, Aragon Province. Plant rhizomatous; stems and leaves fine.

234642. No field note. Aragon.

234643. No field note. Saragosso.

234644. *ONOBRYCHIS VICIAEFOLIA* Scop. Fabaceae. Sainfoin.

Col. No. 16065. Montalban Forestry Nursery, Teruel Province.

234645. *ONONIS TRIDENTATA* L. Fabaceae.

Col. No. 15998. Near San Guesa, Aragon. Showy perennial bush.

234646. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. Poaceae. Smilgrass.

Col. No. 15990. Near Sastego, Aragon Province.

234647. *PHALARIS MINOR* Retz. Poaceae. Littleseed canarygrass.

Col. No. 15985. Twenty km. southwest of Sarinena, Aragon Province. Elevation 400 meters. Annual; seeds persistent.

234636 to 234654—Continued**234648.** *PINUS* sp. Pinaceae.

Col. No. 15989. Sierra de Alcubierre, Aragon Province. Elevation 500 meters. Tree small, xerophytic; Mediterranean type.

234649. *RHAMNUS* sp. Rhamnaceae.

Col. No. 15996. Bank 6 km. south of Los del Rey Catolico, Aragon. Low spreading perennial.

234650. *RHAMNUS* sp.

Col. No. 16017. West of Jaca 20 km., Pyrenees Mountains. Elevation 700 meters. Shrub spreading; leaves bright.

234651. *SANGUISORBA* sp. Rosaceae.

Col. No. 16036. Along bank of Rio Ara, near Boltana, Pyrenees Mountains. Elevation 500 meters. Annual herb.

234652. *TRIFOLIUM ANGUSTIFOLIUM* L. Fabaceae.**Clover.**

Col. No. 15969. Madrid. Winter and spring annual.

234653. *TRIFOLIUM PRATENSE* L.**Red clover.**

Col. No. 16062. Montalban Forestry Nursery, Teruel Province. Originally from Aineto, Pyrenees Mountains. Diffuse spreading perennial seeding freely.

234654. *VICIA ANGUSTIFOLIA* var. *SEGETALIS* (Thuill.) Koch Fabaceae.**Vetch.**

Col. No. 15988. About 20 km. southwest of Sarinena, Aragon Province. Elevation 400 meters. Annual herb; spontaneous in wheat field; good seeder.

234655 to 234659. *SECALE CEREALE* L. Poaceae.**Rye.**

From the Union of Soviet Socialist Republics. Seeds presented by the Ministry of Agriculture, Moscow. Received Sept. 25, 1956.

234655. No. 7041.**234658.** No. K-9450.**234656.** No. 7048.**234659.** No. K-9804.**234657.** No. K-7451.**234660 to 234663.**

From Madagascar. Seeds presented by the Service Provincial de l'Agriculture, Tulcar. Received Sept. 25, 1956.

234660. *IPOMOEA* sp. Convolvulaceae.

Flowers red.

234661. *IPOMOEA* sp.

Flowers orange.

234662. *IPOMOEA* sp.

No. 3. Flowers violet.

234663. *IPOMOEA* sp.

No. 2. Flowers violet; a xerophytic species.

234664 to 234666.

From Israel. Seeds collected by Y. Orev, Beersheba. Received Sept. 25, 1956.

234664. *ARISTIDA SCOPARIA* Trin. & Rupr. Poaceae.**234665.** *ATRIplex HALIMUS* L. Chenopodiaceae. **Mediterranean saltbush.****234666.** *TRIGONELLA ARABICA* Delile Fabaceae.

234667 to 234680.

From France. Seeds collected by H. S. Gentry and H. Scoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 24, 1956.

Collected July and August, 1956.

234667. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

Col. No. 16118. Along roadside, Montomban, 30 km. west of Rennes.

234668. *JUNIPERUS* sp. Pinaceae.

Col. No. 16069. Twenty km. northwest of Montpellier. Small symmetrical glaucous shrub.

234669. *LATHYRUS HIRSUTUS* L. Fabaceae. Peavine.

Col. No. 16083. Eight km. southwest of Montpellier. Spontaneous, annual vine.

234670. *LOTUS CORNICULATUS* var. *ARVENSIS* (Pers.) Ser. Fabaceae. Trefoil.

Col. No. 16119. Roadside, Montomban, 30 km. west of Rennes. Vigorous, low, leafy, spreading perennial.

234671. *MEDICAGO LUPULINA* L. Fabaceae. Black medic.

Col. No. 16085. Eight km. northwest of Montpellier. Low, spreading herb.

234672. *MEDICAGO ORBICULARIS* (L.) All. Buttonclover.

Col. No. 16076. Seventeen km. northwest of Montpellier. Diffuse decumbent annual.

234673. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

Col. No. 16091. Poor soil 10 km. southwest of Montpellier.

234674. *MELILOTUS INDICA* (L.) All. Fabaceae. Sourclover.

Col. No. 16090. Stony soil 10 km. southwest of Montpellier. Diffuse winter annual.

234675. *RHAMNUS* sp. Rhamnaceae.

Col. No. 16068. About 18 km. northwest of Montpellier. Low, shiny-leaved, spreading shrub.

234676. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

Col. No. 16082. Pasture 8 km. northwest of Montpellier. Cut for hay.

234677 to 234680. *TRIFOLIUM REPENS* L. Fabaceae. Whiteclover.

234677. Col. No. 16073. Dry site 17 km. northwest of Montpellier. Spontaneous.

234678. Col. No. 16080. Eight km. southwest of Montpellier.

234679. Col. No. 16081. Eight km. southwest of Montpellier. Seeds from one large plant.

234680. Col. No. 16122. Montomban, 30 km. west of Rennes.

234681 to 234684.

From Canada. Seeds collected by F. J. Hermann and Bernard Leese, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 26, 1956.

234681. *AGROSTIS SCABRA* Willd. Poaceae. Bent grass.

Three miles east of Obed, Jasper-Edmonton highway, Alberta.

234682. *BOUTELOUA GRACILIS* (H.B.K.) Lag. Poaceae. Blue grama.
Prairie, Brandon, Manitoba.

234681 to 234684—Continued

- 234683.** *HORDEUM JUBATUM* L. Poaceae. **Foxtail barley.**
Ferne, British Columbia.
- 234684.** *LINUM LEWISII* Pursh Linaceae. **Flax.**
North Kanloops, British Columbia.

234685 to 234704.

From Denmark. Seeds collected by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 26, 1956.

Collected August and September, 1956.

- 234685.** *AGROSTIS TENUIS* Sibth. Poaceae. **Colonial bent grass.**

Col. No. 16331. Near Orholm, north of Copenhagen. Low-growing perennial forming dense sod.

- 234686.** *ASTRAGALUS FALCATUS* Lam. Fabaceae. **Milkvetch.**

Col. No. 16322. Kulhuse, Zealand. Low spreading bush; apparently salt-spray tolerant.

- 234687.** *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. **Tall oatgrass.**

Col. No. 16333. Near Stroby, Zealand.

- 234688 to 234690.** *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

234688. Col. No. 16323. Kulhuse, Zealand. Apparently salt-spray tolerant.

234689. Col. No. 16328. Clearing near Orholm, north of Copenhagen.

234690. Col. No. 16343. Southwest of Koge, Zealand.

- 234691 and 234692.** *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

234691. Col. No. 16326. Sonderso Lake, northwest of Copenhagen.

234692. Col. No. 16338. Near Karise, Zealand. Plant sturdy, erect, diffuse; leaflets medium coarse.

- 234693.** *MELILOTUS* sp. Fabaceae.

Col. No. 16336. Near Karise, Zealand. Pods black when mature; seeds large.

- 234694 to 234698.** *PHALARIS ARUNDINACEA* L. Poaceae. **Reed canarygrass.**

234694. Col. No. 16324. Sonderso Lake, northwest of Copenhagen. Colony flowering early and late.

234695. Col. No. 16329. Peat soil near Orholm, north of Copenhagen.

234696. Col. No. 16335. Near Stroby, Zealand. Plant 2 meters high, rank.

234697. Col. No. 16337. Near Karise, Zealand. Uniform small plants.

234698. Col. No. 16340. Near Karise, Zealand. Plants may be sterile.

- 234699.** *PHLEUM PRATENSE* L. Poaceae. **Timothy.**

Col. No. 16341. Near Karise, Zealand.

- 234700.** *TRIFOLIUM FRAGIFERUM* L. Fabaceae. **Strawberry clover.**

Col. No. 16334. Near Stroby, Zealand. Plants low, scattered.

- 234701.** *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**

Col. No. 16325. Sonderso Lake, northwest of Copenhagen.

- 234702 and 234703.** *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

234702. Col. No. 16330. Near Orholm, north of Copenhagen. Seeds from solitary plant; leaflets small.

234685 to 234704—Continued

234703. Col. No. 16332. Near Stroby, Zealand. Plants vigorous, cultivated.

234704. *VICIA* sp. Fabaceae.

Col. No. 16327. Sonderso Lake, northwest of Copenhagen. Perennial; flowers yellow.

234705 to 234707.

From the Union of Soviet Socialist Republics. Seeds presented by Arnold-Thomas Seed Service, Five Point, Calif. Received Sept. 27, 1956.

234705. *HORDEUM* sp. Poaceae.

From a collective farm northwest of Odessa.

234706. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

From plant growing at agricultural exposition in Moscow.

234707. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From a collective farm northwest of Odessa.

234708 to 234731.

From France. Seeds collected by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 27, 1956.

Collected July and Aug., 1956.

234708. *AGROPYRON ELONGATUM* (Host.) Beauv. Poaceae. **Tall wheatgrass.**

Col. No. 16095. Eleven km. southwest of Montpellier. Bushy perennial; culms thick, semi-succulent, brittle; possibly good for crossing.

234709 and 234710. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.

Tall oatgrass.

234709. Col. No. 16079. Eight km. southwest of Montpellier.
Slender perenial.

234710. Col. No. 16096. Eight km. west of Montpellier. Culms thin, leafy.

234711. *AVENA BROMOIDES* Gouan Poaceae.

Oats.

Col. No. 16066. Rocky terrain 20 km. northwest of Montpellier. Perennial.

234712. *AVENA FATUA* L. Poaceae.

Wild oats.

Col. No. 16084. Eight km. southwest of Montpellier. Plants large, coarse-stemmed; panicles large; seeds nonshattering.

234713 to 234715. *BROMUS ERECTUS* Huds. Poaceae. **Meadow brome grass.**

234713. Col. No. 16071. Seventeen km. northwest of Montpellier.

Broad-leaved perennial; spikes partly diseased.

234714. Col. 16072. Seventeen km. northwest of Montpellier.

Perennial; tufts long, leafy.

234715. Col. No. 16078. Twenty km. northwest of Montpellier.

Leafy perennial.

234716. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

Col. No. 16067. Eighteen km. northwest of Montpellier. Small, xerophytic perennial.

234708 to 234731—Continued

234717 to 234720. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**

234717. Col. No. 16088. Eight km. southwest of Montpellier. Seeds from one plant.

234718. Col. No. 16086. Eight km. southwest of Montpellier. Rhizomatous perennial.

234719. Col. No. 16087. Eight km. southwest of Montpellier. Seeds from one plant.

234720. Col. No. 16089. Eight km. southwest of Montpellier. Seeds from one plant.

234721. *FESTUCA RUBRA* L. **Red fescue.**

Col. No. 16117. Montomban, 30 km. west of Rennes. Shade tolerant lawn type perennial; leaves fine; long panicle spur.

234722. *SIEGLINGIA DECUMBENS* (L.) Bernh. Poaceae.

Col. No. 16120. Montomban, 30 km. west of Rennes. Low tufted perennial.

234723. *MEDICAGO MARITIMA* Pall. Fabaceae. **Medic.**

Col. No. 16094. Eleven km. southwest of Montpellier. Low, gray-tomentose perennial.

234724. *PHLEUM PANICULATUM* Huds. Poaceae. **British timothy.**

Col. No. 16070. Dry, stony land 20 km. northwest of Montpellier. Perennial.

234725 and 234726. *TRIFOLIUM CAMPESTRE* Schreb. Fabaceae. **Clover.**

234725. Col. No. 16075. Rocky ground 18 km. northwest of Montpellier. Diffuse spontaneous annual; palatable.

234726. Col. No. 16123. Cultivated pasture, Pleurtuit, Brittany. Spontaneous annual.

234727. *TRIFOLIUM LAPPACEUM* L. Fabaceae. **Lappa clover.**

Col. No. 16077. Stony ground 18 km. northwest of Montpellier. Diffuse winter annual; seeds heavy.

234728. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

Col. No. 16121. Old meadow, Montomban, 30 km. west of Rennes. Solitary plant.

234729. *TRIFOLIUM TOMENTOSUM* L. **Wooly clover.**

Col. No. 16092. Ten km. southwest of Montpellier. Winter and spring annual.

234730. *TRIFOLIUM* sp.

Col. No. 16093. Ten km. southwest of Montpellier. Thick diffuse colony; winter and spring annual; seeding heavily.

234731. *VICIA LUTEA* L. Fabaceae. **Vetch.**

Col. No. 16074. Eighteen km. northwest of Montpellier. Viny annual herb.

234732. *LATHYRUS MONTANUS* Bernh. Fabaceae. **Peavine.**

From Great Britain. Seeds presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received Sept. 27, 1956.

234733. *PLUMERIA OBTUSA* L. Apocynaceae.

From Singapore. Seeds presented by the Botanic Garden, through E. A. Menninger, Stuart, Fla. Received Sept. 28, 1956.

234734 and 234735.

From Ceylon. Seeds presented by the Royal Botanic Garden, Peradeniya, through R. J. Godbey, Kendall, Fla. Received Sept. 28, 1956.

234734. *KLUGIA NOTONIANA* (Wall.) A. DC. Gesneriaceae.

234735. *OSBECKIA RUBICUNDA* Arnott Melastomataceae.

234736 to 234766.

From Spain. Seeds collected by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Sept. 28, 1956.

Collected June and July, 1956.

234736 and 234737. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.

Tall oatgrass.

234736. Col. No. 15992. Six km. south of Los del Rey Catolico, Aragon. Perennial; leaves coarse, long.

234737. Col. No. 15993. Six km. south of Los del Rey Catolico, Aragon. Perennial.

234738 to 234741. *AVENA BROMOIDES* Gouan Poaceae.

Oats.

234738. Col. No. 15981. Saline land 20 km. west of Sarinena, Aragon Province. Palatable perennial.

234739. Col. No. 16037. Rocky soil, Boltana, Pyrenees Mountains. Scattered perennial.

234740. Col. No. 16041. Scattered on rocky slope, near Mediano, Pyrenees foothills.

234741. Col. No. 16056. Protected slope among young pines, Montalban, Teruel Province. Elevation 1,000 meters. Vigorous perennial.

234742. *HELICTOTRICHON PUBESCENS* (Huds.) Pilger Poaceae.

Col. No. 16047. Twenty km. west of Carinena, Aragon. Tufted perennial; leaves short.

234743 and 234744. *BROMUS ERECTUS* Huds. Poaceae.

Meadow brome grass.

234743. Col. No. 15994. Hill 7 km. south of Los del Rey Catolico. Small tufted perennial.

234744. Col. No. 16009. Near Tiermas, Pyrenees Mountains. Elevation 700 meters. Slender, erect; culms long; leaves small, palatable.

234745. *CYNOSURUS CRISTATUS* L. Poaceae.

Col. No. 16013. In protection of shrubs about 20 km. west of Jaca, Pyrenees Mountains. Elevation 700 meters. Small slender perennial; palatable.

234746 to 234748. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**

234746. Col. No. 16012. Near Tiermas, Pyrenees Mountains. Elevation 700 meters. Perennial; leaves coarse, sparse.

234747. Col. No. 16040. Near Boltana, Pyrenees Mountains. Stoloniferous; leaves small.

234748. Col. No. 16042. Rocky slope near Mediano, foothills of the Pyrenees Mountains.

234749 to 234752. *FESTUCA OVINA* L. Poaceae.

Sheep fescue.

234749. Col. No. 15975. Aragon Province. Elevation 500 meters. Small, tufted xerophytic perennial.

234750. Col. No. 16002. Near San Guesca, Aragon. Xerophytic perennial; leaves short.

234751. Col. No. 16050. Twenty km. west of Carinena, Aragon. Xerophytic perennial; leaves short.

234736 to 234766—Continued

234752. Col. No. 16060. Montalban, Teruel Province. Elevation 1,000 meters. Xerophytic; leaf tufts good.

234753 to 234757. *FESTUCA RUBRA* L. Poaceae. **Red fescue.**

234753. Col. No. 16007. Near Tiermas, Pyrenees Mountains. Elevation 700 meters. Tufted perennial; leaves short; culms long.

234754. Col. No. 16051. Twenty km. west of Carinena, Aragon. Perennial.

234755. Col. No. 16063. Montalban Forestry Nursery, Teruel Province. Leaves green, thick.

234756. Col. No. 16064. Montalban Forestry Nursery, Teruel Province. Leaves long, tender; good for forage.

234757. Col. No. 16045. Twenty km. west of Carinena, Aragon Province. Tufted perennial; leaves long, thin.

234758. *FESTUCA* sp.

Col. No. 16052. Twenty km. west of Carinena, Aragon Province. Perennial; spikelets dimorphic.

234759. *KOELERIA SETACEA* (Pers.) DC. Poaceae.

Col. No. 14976. Aragon Province. Elevation 500 meters. Small, tufted, xerophytic perennial.

234760. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**

Col. No. 16046. Twenty km. west of Carinena, Aragon. Spreading perennial; stems long.

234761 and 234762. *TRIFOLIUM CAMPESTRE* Schreb. Fabaceae. **Clover.**

234761. Col. No. 15979. Saline bottomland 20 km. west of Sarinena, Aragon Province. Elevation 350 meters. Leafy, spreading herb.

234762. Col. No. 16008. Near Tiermas, Pyrenees Mountains. Elevation 700 meters. Spreading herb; flowers pale yellow; seeding freely.

234763 and 234764. *TRIFOLIUM HIRTUM* All. Fabaceae. **Clover.**

234763. Col. No. 15971. Madrid. Decumbent winter and spring annual.

234764. Col. No. 16049. Twenty km. west of Carinena, Aragon. Low, drought-inhibited annual.

234765. *TRIFOLIUM REPENS* L. **Whiteclover.**

Col. No. 16033. Parque Nacional de Ordesa, Pyrenees Mountains. Elevation 1,000 meters. Plant small, sparse; flowers white.

234766. *VICIA PEREGRINA* L. Fabaceae. **Vetch.**

Col. No. 15972. Madrid. Winter and spring annual.

234767. *ZEA MAYS* L. Poaceae. **Corn.**

From the Canary Islands. Seeds collected by J. N. Darling, Des Moines, Iowa. Received Sept. 28, 1956.

'Enano'. From the Island of Lanzarote.

234768 to 234770.

From the Gold Coast. Seeds presented by the University College, Achimata. Received Sept. 28, 1956.

234768. *IPOMOEA DIGITATA* L. Convolvulaceae. **Fingerleaf morning-glory.**

234769. *IPOMOEA PES-CAPRAE* (L.) Roth **Morning-glory.**

234770. *CALONYCTION ACULEATUM* (L.) House Convolvulacea. **Moonflower.**

234771. CROTALARIA JUNCEA L. Fabaceae. Sunn crotalaria.

From Nigeria. Seeds presented by Melvin Dreessem, Kagoro, Northern Province.
Received Sept. 28, 1956.

234772. SOLANUM HYPORHODIUM A. Br. & Bouche Solanaceae. Cocona.

From Peru. Seeds presented by the North Carolina University Agricultural Research Mission, Lima. Received Oct. 1, 1956.

234773. TRIFOLIUM AFRICANUM Ser. Fabaceae. Clover.

From the Union of South Africa. Seeds presented by C. V. Porter, Menomonie, Wis. Received Oct. 1, 1956.

'Ermelo'.

234774 and 234775. DIOSCOREA HISPIDA Dennst. Dioscoreaceae. Yam.

From the Philippines. Presented by F. P. Hill, Macleod & Co., Manila.
Received Sept. 28, 1956.

234774. Seeds.

234775. Tubers.

234776 to 234783.

From Germany. Seeds obtained by H. S. Gentry and H. Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 2, 1956.

From Steinach, Bavaria.

234776. ARRHENATHERUM ELATIUS (L.) Presl Poaceae. Tall oat grass.

234777. FESTUCA ELATIOR L. Poaceae. Meadow fescue.

234778. FESTUCA RUBRA L. Red fescue.

234779. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.

234780. PHALARIS ARUNDINACEA L. Poaceae. Reed canarygrass.

234781. POA PRATENSIS L. Poaceae. Kentucky bluegrass.

234782. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

234783. TRisetum FLAVESCENS (L.) Beauv. Poaceae.

234784. PELARGONIUM SALMONEUM R. A. Dyer Geraniaceae. Geranium.

From Costa Rica. Seeds presented by C. H. Lankester, Cartago. Received Oct. 2, 1956.

Originally from L. Maurice Mason, England.

234785. POUROUMA CECROPIAEFOLIA Mart. Moraceae.

From Colombia. Seeds collected by Richard E. Schultes, Harvard University, Cambridge, Mass., near Mitu, Vaupes. Received Oct. 2, 1956.

234786 to 234793.

From Sweden. Seeds presented by the Botanisk-Genetiska Tradgarden, Uppsala.
Received Oct. 3, 1956.

234786. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.

Cultivated strain; originally from Denmark.

234787. MEDICAGO sp. Fabaceae.

Originally from Siberia. Diploid (2n-16.) Chromosome-doubled and crossed with ordinary alfalfa.

234786 to 234793—Continued

- 234788.** *MEDICAGO* (hybrid). Medic.
M. angustifolia × *sativa*; both tetraploid.
- 234789.** *MELILOTUS ALBA* Desr. *Fabaceae*. White sweetclover.
 Tetraploid.
- 234790.** *PHALARIS ARUNDINACEA* L. *Poaceae*. Reed canarygrass.
 Originally a wild type from Northern Saskatchewan, Canada.
- 234791.** *TRIFOLIUM HYBRIDUM* L. *Fabaceae*. Alsike clover.
 'Balingsta'. A local variety.
- 234792.** *TRIFOLIUM PRATENSE* L. Red clover.
 From 'Hershap' X 'Ultinia', both tetraploid. Diploid 'Hershap' was from from Denmark. Diploid 'Ultinia' was the best local variety.
- 234793.** *TRIFOLIUM REPENS* L. Whiteclover.
 From 'Quebec' X 'Skultuma', both tetraploid.

234794 to 234803.

From Sicily. Seeds presented by the Istituto de Orto Botanico, Palermo. Received Oct. 3, 1956.

- 234794.** *IPOMOEA ANGULATA* Mart. *Convolvulaceae*. Morning-glory.
- 234795.** *IPOMOEA BLEPHAROSEPALA* Hochst. Morning-glory.
- 234796.** *IPOMOEA HEDERIFOLIA* L. Morning-glory.
- 234797.** *IPOMOEA LOBATA* Thellung. Morning-glory.
- 234798.** *IPOMOEA SETIFERA* Poir. Morning-glory.
- 234799.** *IPOMOEA VIOLACEA* L. Morning-glory.
- 234800.** *IPOMOEA* sp.
- 234801.** *IPOMOEA* sp.

Received as *I. digitata*, but seeds are not of that species.

- 234802.** *QUAMOCLIT COCCINEA* (L.) Moench. *Convolvulaceae*. Scarlet starglory.
- 234803.** *QUAMOCLIT PENNATA* (Desr.) Voight Cypressvine starglory.

234804 to 234830.

From Switzerland. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 4, 1956.

Collected Aug., 1956.

- 234804 to 234811.** *LOTUS CORNICULATUS* L. *Fabaceae*. Birdsfoot trefoil.
- 234804.** Col. No. 16186. Bienne. Elevation 700 meters. Plant upright; leaflets broad.
- 234805.** Col. No. 16192. Near Bulle. Elevation 550 meters. Diffuse, erect herb.
- 234806.** Col. No. 16215. Near Liddes. Elevation 1,200 meters. Low, Spreading, tomentose perennial.
- 234807.** Col. No. 16223. Near Liddes. Elevation 1,200 meters.
- 234808.** Col. No. 16230. Dry hillside near Liddes. Elevation 1,300 meters. Seeds from one plant.
- 234809.** Col. No. 16239. Castle de Saxon. Elevation 600 meters. Leaflets broad, thick.
- 234810.** Col. No. 16279. Thusis. Erect, diffuse, spontaneous plant.
- 234811.** Col. No. 16266. Near Chur. Diffuse herb.

234804 to 234830—Continued**234812.** *LOTUS PEDUNCULATUS* Cav.**Trefoil.**

Col. No. 16255. Katzenssee near Zurich. Elevation 400 meters.

234813. *LOTUS* sp.

Col. No. 16240. Castle de Saxon. Elevation 600 meters. Vigorous perennial; flowers yellow; decumbent stems; seeds light; wild.

234814. *LUPINUS* sp. Fabaceae.

Col. No. 16277. Thusis. Perennial with purple flowers; pods racemose, nonshattering.

234815 to 234818. *MEDICAGO FALCATA* L. Fabaceae. **Yellow-flowered alfalfa.****234815.** Col. No. 16268. Near Chur. Wild type; flowers yellow.**234816.** Col. No. 16272. Thusis. Seeds of 1 wild clone; flowers lavender; good seeder.**234817.** Col. No. 16273. Black, peaty soil; Thusis. Large, wild, rhizomatous clone; stems erect, strong, 1 meter high; leaves large; flowers purple, turning greenish-yellow.**234818.** Col. No. 16276. Thusis. Plant wild, rhizomatous; flowers yellow.**234819 to 234821.** *MEDICAGO LUPULINA* L. Fabaceae.**Black medic.****234819.** Col. No. 16206. Above Aigle. Elevation 1,000 meters.**234820.** Col. No. 16235. Dry rocky site, Col du St. Bernard. Elevation 1,600 meters.**234821.** Col. No. 16262. Near Chur. Low spreading herb.**234822 and 234823.** *ONOBRYCHIS VICIAEFOLIA* Scop. Fabaceae. **Sainfoin.****234822.** Col. No. 16173. Roadside near Le Ponte. Elevation 700 meters.**234823.** Col. No. 16216. Near Liddes. Elevation 1,200 meters. Bushy perennial.**234824.** *ROSA* sp. Rosaceae.

Col. No. 16283. Near Thusis. Large shrub.

234825. *SANGUISORBA* sp. Rosaceae.

Col. No. 16203. Below Col du Pillom. Elevation 1,200 meters. Perennial herb.

234826 and 234827. *TRIFOLIUM PRATENSE* L. Fabaceae.**Red clover.****234826.** Col. No. 16318. Landquast.**234827.** Col. No. 16320. Wildhaus. Elevation 400 meters. Plant wild.**234828.** *TRIFOLIUM REPENS* L. Fabaceae.**Whiteclover.**

Col. No. 16319. Elevation 1,100 meters. Isolated clump; leaves small.

234829. *VICIA NIGRICANS* Hook. & Arn. Fabaceae.**Vetch.**

Col. No. 16271. Near Thusis. Leafy herb, apparently cultivated; flowers purple.

234830. *VICIA ANGUSTIFOLIA* L.**Narrowleaf vetch.**

Col. No. 16263. Near Chur. Annual vine; flowers lavender.

234831 and 234832. *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

From Kenya. Seeds presented by H. C. Thorpe, Njoro. Received Oct. 4, 1956.

234831. 'Canadian Regent'.**234832.** 354. P.3.B.2.B.**234833.** *DIOSCOREA SYLVATICA* Ecklon Dioscoreaceae.**Yam.**

From the Union of South Africa. Seeds obtained through the United States Embassy, Pretoria. Received Oct. 4, 1956.

'Elephant's Foot'. From the Albany Museum Garden, Grahamstown, Cape Province.

234834 to 234840.

From Germany. Seeds collected by Harry Schoth and H. S. Gentry, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 4, 1956.

234834. *TRIFOLIUM AGRARIUM* L. Fabaceae.

Hop clover.

Col. No. 2. Hokelsdorf, Bavarian Forest. Elevation 750 meters. Aug. 20, 1956.

234835. *TRIFOLIUM CAMPESTRE* Schreb.

Clover.

Col. No. 1. Helmberg near Straubing, Bavaria. Aug. 19, 1956.

234836 to 234839. *TRIFOLIUM PRATENSE* L.

Red clover.

234836. Col. No. 8. Helmberg near Straubing, Bavaria. Aug. 19, 1956.

234837. Col. No. 21. Military Reservation, Hohenfels, Bavaria. Aug. 21, 1956.

234838. Col. No. 22. Military Reservation, Hohenfels. Aug. 21, 1956.

234839. Col. No. 24. Near Military Reservation, Hohenfels, Bavaria. Aug. 21, 1956.

234840. *TRIFOLIUM REPENS* L.

Whiteclover.

No. 9. Helmberg near Straubing, Bavaria.

234841 to 234873.

From Ethiopia. Seeds presented by the Ethiopian College of Agriculture and Mechanical Arts, Addis Ababa. Received Oct. 5, 1956.

234841. *ANDROPOGON DUMMERI* Stapf Poaceae.

Bluestem.

No. 33.

234842. *AVENA ABYSSINICA* Hochst. Poaceae.

Oats.

No. 32.

234843 and 234844. *HORDEUM DISTICHON* L. Poaceae.

Barley.

234843. No. 9. Black seeds.

234844. No. 10. Black seeds.

234845 to 234853. *HORDEUM VULGARE* L.

Barley.

234845. No. 1. Entry 72.

234846. No. 2. Entry 405. 'Kenya Research'.

234847. No. 3. Entry 80.

234848. No. 4. Entry 126.

234849. No. 5. 'Samareita'.

234850. No. 6. White.

234851. No. 7. Black seeded.

234852. No. 11. Naked.

234853. No. 12.

234854. *HORDEUM* sp.

No. 8.

234841 to 234873—Continued

234855 to 234867.	TRITICUM AESTIVUM L.	Poaceae.	Common wheat.
234855.	No. 13.	234862.	No. 26. Native beardless.
234856.	No. 14.	234863.	No. 27. 'Kenya 5'-'55 Bi-shoftu.
234857.	No. 20.	234864.	No. 28. 'Kenya 1'-'55 Bi-shoftu.
234858.	No. 21.	234865.	No. 29. 'H.R.S.' '55 Bi-shoftu.
234859.	No. 23.	234866.	No. 30. 'Fortunato'-'55 Bishoftu.
234860.	No. 24.	234867.	No. 31. Local.
234861.	No. 25.		

234868. **TRITICUM DICOCCUM** Schrank **Poaceae.** **Emmer.**
No. 18. 'Debra Markos'.

234869 to 214873. **TRITICUM DURUM** Desf. **Durum wheat.**

234869. No. 15. Shoa Province. Purple.

234870. No. 17.

234871. No. 22. Amber.

234872. **TRITICUM** sp.

No. 16.

234873. **TRITICUM** sp.

No. 19.

234874 to 234876.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique du Congo Belge, Elizabethville.

Received Oct. 8, 1956.

234874. **GLYCINE JAVANICA** L. **Fabaceae.**

No. 5293.

234875. **GLYCINE** sp.

No. 5294.

234876. **GLYCINE JAVANICA** L.

No. 5301.

234877 to 234880. HELICTOTRICHON HOOKERI (Scribn.) Henr. Poaceae.

From Canada. Seeds collected by F. J. Hermann and Bernard Leese, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 8, 1956.

234877. Col. No. 9335. Two miles east of Fort Saskatchewan, Alta.

234878. Col. No. 9375. Fair Grounds, Fort Saskatchewan, Alta.

234879. Col. No. 9382. Two miles below Fort Saskatchewan, Alta.

234880. Col. No. 9385. Fair Grounds, Natural Prairie, Fort Saskatchewan, Alta.

234881 to 234941.

From Switzerland. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 11, 1956.

Collected Aug., 1956.

234881. *FESTUCA* sp. Poaceae.

Col. No. 16321. On peat, Wildhaus. Elevation 1,100 meters.

234882 to 234885. *FESTUCA ARUNDINACEA* Schreb. **Tall fescue.**

234882. Col. No. 16174. Near Le Pont. Elevation 700 meters.

Tall caney perennial.

234883. Col. No. 16254. Near Dielsdorf, north of Zurich. Elevation 400 meters.

234884. Col. No. 16295. Near Schuls. Elevation 1,200 meters. Seeds from 1 plant; leaves soft; stems many, thick, strong, 1.5 meters high.

234885. Col. No. 16316. Near Landquart. Hydrophytic perennial.

234886 to 234889. *FESTUCA ELATIOR* L. **Meadow fescue.**

234886. Col. No. 16151. By Lac de Joux. Elevation 1,000 meters. Leaves fine; culms short.

234887. Col. No. 16168. Near La Pont. Elevation 1,000 meters. Perennial; leaves yellowish.

234888. Col. No. 16189. Near St. Croix. Elevation 1,000 meters. Isolated plant.

234889. Col. No. 16196. Below Col du Pillon. Elevation 1,200 meters.

234890. *FESTUCA ARUNDINACEA* Schreb. **Tall fescue.**

Col. No. 16252. Swamp, Katzenssee near Zurich. Elevation 410 meters. Tall perennial; leaves long, harsh.

234891. *FESTUCA ELATIOR* L. **Meadow fescue.**

Col. No. 16292. Near Schuls. Elevation 1,200 meters. Perennial; blades soft green.

234892 and 234893. *FESTUCA ARUNDINACEA* Schreb. **Tall fescue.**

234892. Col. No. 16293. Near Schuls. Elevation 1,200 meters. Plant large, vigorous; leaves coarse, rough, to 5 dm. long; culms about 1.8 meters long.

234893. Col. No. 16294. Near Schuls. Elevation 1,200 meters. Leaves soft, voluminous, wide; culms only two, slender.

234894. *FESTUCA ELATIOR* L. **Meadow fescue.**

Col. No. 16160. Lac de Joux. Elevation 1,000 meters. Vigorous perennial.

234895 to 234898. *FESTUCA OVINA* L. **Sheep fescue.**

234895. Col. No. 16164. Near La Pont. Elevation 1,100 meters. Tufted perennial.

234896. Col. No. 16176. Near St. Croix. Elevation 1,000 meters. From 1 clone.

234897. Col. No. 16217. Near Liddes. Elevation 1,200 meters. Leaves short, blue-glaucous.

234898. Col. No. 16228. Near Liddes. Elevation 1,300 meters.

234899 to 234904. *FESTUCA RUBRA* L. **Red fescue.**

234899. Col. No. 16158. Near La Cure, Swiss-French border. Elevation 1,232 meters.

234881 to 234941—Continued

- 234900.** Col. No. 16225. Near Liddes. Elevation 1,300 meters. Dense, large bunches.
- 234901.** Col. No. 16226. Near Liddes. Elevation 1,300 meters. Late maturity.
- 234902.** Col. No. 16311. Susch. Elevation 1,500 meters.
- 234903.** Col. No. 16157. Near La Cure, Swiss-French border. Elevation 1,232 meters.
- 234904.** Col. No. 16177. Near St. Croix. Elevation 1,000 meters. Seeds from one plant; leaves long, dark green.
- 234905.** *FESTUCA ELATIOR* L. **Meadow fescue.**
Col. No. 16184. Near La Pont. Elevation 700 meters. Leaves dark green; crown with short culms.
- 234906.** *FESTUCA ARUNDINACEA* Schreb. **Tall fescue.**
Col. No. 16211. Near Bex. Elevation 500 meters. Leaves large, coarse.
- 234907.** *FESTUCA LAXA* Host **Fescue.**
Col. No. 16229. Near Liddes. Elevation 1,300 meters. Bush dense; leaves fine.
- 234908 to 234911.** *TRIFOLIUM AGRARIUM* L. Fabaceae. **Hop clover.**
234908. Col. No. 16191. Near Bulle. Elevation 600 meters. Plant erect; foliage scant.
- 234909.** Col. No. 16200. Below Col du Pillon. Elevation 1,200 meters. Flowers yellow; seeding heads purple.
- 234910.** Col. No. 16232. Col du St. Bernard. Elevation 1,700 meters. Plant erect, leafy; flowers yellow.
- 234911.** Col. No. 16243. Near Goppenstein. Elevation 1,050 meters. Annual; flowers yellow; heavy seeder.
- 234912 and 234913.** *TRIFOLIUM HYBRIDUM* L. **Alsike clover.**
234912. Col. No. 16188. Near St. Croix. Elevation 1,000 meters.
- 234913.** Col. No. 16251. Katensee near Zurich. Elevation 410 meters.
- 234914.** *TRIFOLIUM MONTANUM* L. **Clover.**
Col. No. 16269. Near Chur. Erect perennial; foliage scant; flowers nearly white.
- 234915.** *TRIFOLIUM HYBRIDUM* L. **Alsike clover.**
Col. No. 16270. Near Chur. Plant erect, leafy; seeds from one plant.
- 234916 to 234920.** *TRIFOLIUM MEDIUM* Huds. **Mammoth clover.**
234916. Col. No. 16193. Near Bulle. Elevation 600 meters.
- 234917.** Col. No. 16194. Near Bulle. Elevation 600 meters. Leafy perennial; stoloniferous.
- 234918.** Col. No. 16237. Castle de Saxon. Elevation 600 meters. Stoloniferous perennial; flowers long, pink.
- 234919.** Col. No. 16249. Near Turtmann. Elevation 600 meters. Rhizomatous perennial.
- 234920.** Col. No. 16280. Near Thusis. Rhizomatous perennial.
- 234921 to 234924.** *TRIFOLIUM PRATENSE* L. **Red clover.**
234921. Col. No. 16152. Along¹ roadbank and hayfield, Lac de Joux. Elevation 1,000 meters. Spontaneous perennial.
- 234922.** Col. No. 16165. Near Le Pont. Elevation 1,100 meters. Plants variable, cold resistant.

234881 to 234941—Continued

- 234923.** Col. No. 16179. Near St. Croix. Elevation 1,000 meters. Cold-hardy perennial; leaves small; flowers long, light pink.
- 234924.** Col. No. 16204. In natural pasture below Col du Pilon. Elevation 1,200 meters. Spontaneous perennial.
- 234925.** Col. No. 16213. Near Bex. Elevation 500 meters. Plant tall, erect, smooth.
- 234926.** Col. No. 16214. Near Liddes. Elevation 1,200 meters. Erect perennial.
- 234927.** Col. No. 16234. Col du St. Bernard. Elevation 1,700 meters.
- 234928.** Col. No. 16241. Near Goppenstein. Elevation 1,050 meters. Seeds from one spreading, vigorous, hairy plant.
- 234929.** Col. No. 16245. Above Goppenstein. Elevation 1,300 meters. Plant early maturing; good head producer.
- 234930.** Col. No. 16274. Thusis. Cultivated type, possibly an old variety.
- 234931.** Col. No. 16284. Poor soil, Schmitten. Elevation 1,300 meters. Plant low, diffuse tufts, to 15 cm. high.
- 234932.** Col. No. 16315. Above Susch. Elevation 1,700 meters. Low, diffuse, wild type; flowers pink to white.
- 234933.** Col. No. 16317. Ardez. Elevation 1,300 meters. Plants spontaneous, low, spreading.
- 234934 to 234939.** *TRIFOLIUM REPENS* L. Fabaceae. **Whiteclover.**
- 234934.** Col. No. 16172. Roadside near Le Pont. Elevation 700 meters. An escape.
- 234935.** Col. No. 16187. Dry hillside near St. Croix. Elevation 1,000 meters. Isolated plant.
- 234936.** Co. No. 16205. Meadow above Aigle. Elevation 1,000 meters. Rank, spreading clone.
- 234937.** Col. No. 16236. Col du St. Bernard. Elevation 1,700 meters. plant low, spreading; good seeder.
- 234938.** Col. No. 16264. Near mill spill, Chur.
- 234939.** Col. No. 16306. Ardez, spreading in pine woods. Elevation 1,300 meters.

234940. *TRIFOLIUM MONTANUM* L. **Clover.**
Col. No. 16180. Near St. Croix. Elevation 1,000 meters. Slender, erect, perennial; foliage scant.

234941. *TRIFOLIUM PRATENSE* L. **Red clover.**
Col. No. 16299. Near Schuls. Elevation 1,200 meters. Plant spontaneous, large, vigorous, spreading, thick-stemmed.

234942 to 234947.

From Brazil. Seeds presented by Dr. Jose Grossman, Rio Grande do Sul. Received Oct. 15, 1956.

- 234942.** *PASPALUM ALMUM* Chase Poaceae.
- 234943.** *PASPALUM CROMYORHIZON* Trin.
- 234944.** *PASPALUM PAUCICILIATUM* (Parodi) Herter
- 234945.** *PASPALUM POLYPHYLLUM* Nees
- 234946.** *PASPALUM ROJASII* Hack.
- 234947.** *PASPALUM STELLATUM* Humb. & Bonpl.

234948 and 234949.

From Japan. Plants collected by John L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 15, 1956.

234948. *ILEX RUGOSA* Fr. Schmidt Aquifoliaceae. **Holly.**

Col. No. 463. In dense forest. Elevation 2,020 meters. October 10, 1956. Prostrate evergreen; leaves rugose; fruits red.

234949. *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.

Japanese azalea.

Col. No. 451. Open field above Shibuyu-onsen, Yatsugatake Range, Nagano Prefecture. Elevation 1,780 meters. Oct. 10, 1956. Shrub to 4 feet high; late-blooming selection, flowering in mid-July; flowers orange and red.

234950 to 234965.

From France. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 15, 1956.

Collected Aug. 1956.

234950. *ANTHYLLIS VULNERARIA* L. Fabaceae. **Kidneyvetch.**

Col. No. 16136. Near Soubernon, Cote d'Or. Rocky clay soil over limestone.

234951 and 234952. *FESTUCA RUBRA* L. Poaceae. **Red fescue.**

234951. Col. No. 16142. About 5 km. west of Saulier. Plant vigorous; leaves long, dense.

234952. Col. No. 16143. About 5 km. west of Saulieu. Culms short; leaves long.

234953. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**

Col. No. 16131. Near Soubernon, Cote d'Or. Plant decumbent; stems long.

234954. *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**

Col. No. 16138. Rocky, clay soil over limestone near Soubernon, Cote d'Or.

234955 to 214959. *TRIFOLIUM PRATENSE* L. **Red clover.**

234955. Col. No. 16125. Near Soubernon, Cote d'Or. Spontaneous perennial, erect to spreading, sparsely pubescent.

234956. Col. No. 16137. Dry, rocky, clay soil near Soubernon, Cote d'Or. One plant.

234957. Col. No. 16139. Dry rocky location near Soubernon, Cote d'Or. One plant.

234958. Col. No. 16144. Nine km. west of Saulieu. Plant slender, stunted.

234959. Col. No. 16146. About 5 km. west of Saulieu. Seeds from one plant; cold hardy.

234960 and 234961. *TRIFOLIUM REPENS* L. Fabaceae. **White clover.**

234960. Col. No. 16140. Seven km. west of Saulieu. Wild type; flowers pale pink.

234961. Col. No. 16147. About 5 km. west of Saulieu. Spontaneous; flowers pale pink.

234962 and 234963. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

234962. Col. No. 16372. Near Rennes. Not lodging.

234963. Col. No. 16373. Near Rennes. Not lodging.

234964. *SANGUISORBA* sp. Rosaceae.

Col. No. 16134. Near Soubernon, Cote d'Or.

234950 to 234965—Continued**234965.** VICIA SATIVA L. Fabaceae.

Common vetch.

Col. No. 16133. Near Soubernon, Cote d'Or.

234966 and 234967.From India. Seeds presented by the Forest Research Institute, Dehra Dun.
Received Oct. 15, 1956.**234966.** IPOMOEA HEDERACEA Jacq. Convolvulaceae. **Ivyleaf morning-glory.****234967.** IPOMOEA PES-TIGRIDIS L. **Morning-glory.****234968.** TRITICUM AESTIVUM L. Poaceae. **Common wheat.**From Italy. Seeds presented by the Istituto di Allevamento Vegetale, Bologna.
Received Oct. 16, 1956.**234969 to 235017.** ORYZA SATIVA L. Poaceae. **Common rice.**From Japan. Seeds presented by the Hokkaido University, Sapporo.
Received Oct. 16, 1956.**234969.** A-1 'Akage'. **234992.** N-7 'Heideidaikoku'.**234970.** A-5 'Akamuro'. **234993.** N-11 'Hokkoshima'.**234971.** A-6 'Akanumashiro'. **234994.** N-14 'Yosetsuto-m'.**234972.** A-13 'Chabo'. **234995.** N-44.**234973.** A-18 'Chogoei'. **234996.** N-45 'Ebisumochishito'.**234974.** A-23 'Daikoku'. **234997.** N-48.**234975.** A-28 'Ebisumochi'. **234998.** N-54 'Megrosakae'.**234976.** A-58 'Kokushokuto'. **234999.** '55-76, A-5×E-39.**234977.** A-68 'Mantaro'. **235000.** '55-78, A-28×E-39.**234978.** A-83 'Norin-20-go'. **235001.** '55-80, A-58×E-39.**234979.** A-96 'Shimadamochi'. **235002.** '55-83, N-45×E-39.**234980.** A-107 'Tokachikuro-momi'. **235003.** '55-87, H-61×E-39.**234981.** A-108 'Tomekichiwase'. **235004.** '56-13, N-1×A-58.**234982.** H-9 'Ebisukamairazu'. **235005.** '56-17, N-48×A-58.**234983.** H-45. **235006.** '56-18, N-48×A-107.**234984.** H-52 'Bunwaimotsure-shito'. **235007.** '56-22, H-45×A-58.**234985.** H-60. **235008.** '56-15, N-44×A-13.**234986.** H-61 'Fusenshiro'. **235009.** '56-23, H-68×H-52.**234987.** H-68 'Rinshimomigare'. **235010.** '56-28, H-52×H-79.**234988.** H-69 'Hokamurishima-Ty'. **235011.** '56-33, H-52×H-60.**234989.** H-75 'Oukatsuei-oukatsumai'. **235012.** '56-40, N-14×A-107.**234990.** H-79. **235013.** '56-43, A-18×A-28.**234991.** N-1 'Akageshima'. **235014.** '56-45, A-5×A-18.**235015.** '56-46, A-28×A-15.**235016.** '56-48, H-69×N-54.**235017.** '56-93, H-52×N-54.

235018 to 235024.

From Germany. Seeds collected by Harry Schoth and H. S. Gentry, Agricultural Explorers. Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 16, 1956.

Collected Aug., 1956.

235018 and 235019. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.

235018. Col. No. 13. Military Reservation, Hohenfels, Bavaria.

235019. Col. No. 14. Military Reservation, Hohenfels, Bavaria.

235020 to 235022. *MEDICAGO FALCATA* L. Fabaceae Yellow-flowered alfalfa.

235020. Col. No. 4. Donau, Bavaria.

235021. Col. No. 5. Bogenberg, Straubing, Bavaria.

235022. Col. No. 19. Reibendorf, Donau, Bavaria.

235023. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.

Col. No. 25. Dietfurt, Bavaria.

235024. *PHLEUM PRATENSE* L. Poaceae. Timothy.

Col. No. 16. Military Reservation, Hohenfels, Bavaria. Plant vigorous; holds seed well; no rust apparent.

235025 to 235027.

From Hong Kong. Seeds presented by the Yee Chun Sauce Factory, Victoria. Received Oct. 16, 1956.

235025. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Common cowpea.

No. 1.

235026 and 235027. *GLYCINE MAX* (L.) Merr. Fabaceae. Soybean.

235026. No. 2.

235027. No. 3.

235028. *FESTUCA SCABRA* Vahl Poaceae. Fescue.

From the Union of South Africa. Seeds presented by the Experiment Station, Dohne, Cape Province. Received Oct. 17, 1956.

W 6/5

235029. *SESBANIA PAULENSIS* Barb.-Rodr. Fabaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 13, 1955.

Originally from Java.

235030. *CUCURBITA OKEECHOBEEENSIS* (Small) Bailey Cucurbitaceae.

From the United States. Seeds presented by the Everglades Experiment Station, Belle Glade, Florida. Received Feb. 10, 1956.

235031. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae. Singkwa towelgourd.

From Costa Rica. Seeds presented by the Agricultural Mission to Costa Rica, San Jose. Received Apr. 20, 1956.

235032 to 235034.

From Great Britain. Seeds presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Mar. 17, 1956.

235032. *BENINCASA HISPIDA* Cogn. Cucurbitaceae.

235033. *LAGENARIA LEUCANTHA* (Duch.) Rusby Cucurbitaceae. Calabash gourd.

235034. *TRICHOSANTHES ANGUINA* L. Cucurbitaceae.

235035 to 235039.

From Sweden. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research, Beltsville, Md. Received Oct. 17, 1956.

235035. *FESTUCA ELATIOR* L. Poaceae. **Meadow fescue.**

Col. No. 16346. Near Landskrona, Sept. 5, 1956. Grass coarse.

235036. *FESTUCA ARUNDINACEA* Schreb. **Tall fescue.**

Col. No. 16347. Near Landskrona. Sept. 5, 1956.

235037. *FESTUCA ELATIOR* L. **Meadow fescue.**

Col. No. 16349. Roadside 14 km. north of Svalof.

235038. *LOLIUM MULTIFLORUM* Lam. **Italian ryegrass.**

Col. No. 16351. About 20 km. north of Svalof. Sept. 6, 1956. One plant; leaves soft, long, numerous.

235039. *TRIFOLIUM MEDIUM* Huds. Fabaceae. **Mammoth clover.**

Col. No. 16354. About 20 km. north of Svalof. Sept. 6, 1956. Plant tall, slender, upright.

235040 to 235048.

From the United States. Plants growing at the Regional Plant Introduction Station, Geneva, New York. Numbered Oct. 17, 1956.

235040. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**

No. 1607. From Guelph, Ontario, Canada. A pickling type; resistant to mosaic and scab.

235041 to 235046. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. **Cabbage.**

From Brazil.

235041. No. 4847. Cornell Acc 89. Flat heads; white veins.

235042. No. 4848. Cornell Acc 90.

235043. No. 4849. Cornell Acc 91.

235044. No. 4850. Cornell Acc 92.

235045. No. 4851. Cornell Acc 92 A.

235046. No. 4852. Cornell Acc 92 B.

235047 and 235048. *CAPSICUM CHINESE* Jacq. Solanaceae.

From Costa Rica, through Mrs. J. E. Winfield, Painted Post, New York.

235047. No. 4900. Plant woody, semierect, 4.5 feet high; flowers purple, striped white; fruits red, tapering, about 2 inches long.

235048. No. 4901. Plant woody, semierect, 4 feet high; flowers purple, striped white; fruits yellow, disc-shaped, about 2 inches wide.

235049 to 235060. *FICUS CARICA* L. Moraceae. **Common fig.**

From the United States. Plants growing at the United States Plant Introduction Garden, Glenn Dale, Maryland. Numbered Oct. 17, 1956.

235049. 'Butter Nut'.

235055. 'Lee White'.

235050. 'Columbia White'.

235056. 'Lee's Purple'.

235051. 'Early Violet'.

235057. 'Lee's Early Violet'.

235052. 'Gattis White'.

235058. 'New Orleans 1-B'.

235053. 'Holly'.

235059. 'New Orleans Smyrna'.

235054. 'King-B'.

235060. 'Stephens'.

235061 to 235063. ORYZA SATIVA L. Poaceae. Common rice.

From India. Seeds presented by the Central Rice Research Institute, Cuttack, Orissa. Received Oct. 17, 1956.

235061. 'Badsabhog'.

235062. 'Radhunipagal'.

235063. 'Rupsail-88G'.

235064 to 235066.

From Australia. Seeds presented by the Botanic Garden, Adelaide. South Australia. Received Oct. 17, 1956.

235064. IPOMOEA NIL (L.) Roth. Convolvulaceae. **Morning-glory.**

235065. IPOMOEA PURPUREA (L.) Roth **Common morning-glory.**

235066. IPOMOEA TRICOLOR Cav. **Morning-glory.**

235067 and 235068.

From Portugal. Seeds presented by H. Chambers, Prado, Braga. Received Oct. 17, 1956.

235067. DACTYLIS GLOMERATA L. Poaceae. **Orchardgrass.**
No. 5. Northern Portugal.

235068. PASPALUM DILATATUM Poir. Poaceae. **Dallis grass.**
Oporto.

235069 to 235085.

From Switzerland. Seeds collected by H. S. Gentry and Harry Scoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 18, 1956.

Collected Aug. 1956.

235069. AQUILEGIA VULGARIS L. Ranunculaceae. **European columbine.**

Col. No. 16291, Near Schuls. Elevation 1,200 meters. Plant erect, 1 meter high.

235070. ASTRAGALUS FALCATUS Lam. Fabaceae. **Milkvetch.**

Col. No. 16195. Rocky site near Bulle. Elevation 600 meters.

235071. COTONEASTER sp. Malaceae.

Col. No. 16220. Near Liddes. Elevation 1,300 meters. Shrub erect, attractive form and foliage, wild. Ornamental.

235072. FESTUCA OVINA L. Poaceae. **Sheep fescue.**

Col. No. 16218. Thin soil over rocks, pasture near Liddes. Elevation 1,300 meters. Wild perennial; leaves short.

235073. FESTUCA ELATIOR L. **Meadow fescue.**

Col. No. 16156. Near la Cure, Swiss-French border. Elevation 1,232 meters.

235074. FESTUCA LAXA Host **Fescue.**

Col. No. 16222. Rocks above natural hay pasture near Liddes. Elevation 1,200 meters. Plant wild; leaves to 20 cm. long, thin, green; seed abundant.

235075. INDIGOFERA sp. Fabaceae.

Col. No. 16296. Land slide area near Shuls. Elevation 1,100 meters. Plant decumbent, leafy; flowers yellowish-white; good seeder.

235076 and 235077. LOTUS CORNICULATUS L. Fabaceae. **Birdsfoot trefoil.**

235076. Col. No. 16161. By Lac de Joux. Elevation 1,000 meters. Plant tall; stems heavy; leaves dark green; good seeder.

235077. Col. No. 16162. By Lac de Joux. Elevation 1,000 meters.

235069 to 235085—Continued

235078. *LOTUS CORNICULATUS* var. *ARVENSIS* (Pers.) Ser. **Trefoil.**

Col. No. 16287. Coniferous forest area, Schmitten. Elevation 1,350 meters. Plant small, spreading.

235079. *VICIA AMOENA* Fisch. Fabaceae. **Vetch.**

Col. No. 16163. Near le Pont. Elevation 1,100 meters.

235080 to 235082. *VICIA CRACCA* L. **Bird vetch.**

235080. Col. No. 16154. By Loc de Joux. Elevation 1,000 meters. Spontaneous.

235081. Col. No. 16278. Black peaty soil, Thusis. Spontaneous.

235082. Col. No. 16298. Landslide area near Schuls. Elevation 1,200 meters. Wild, glaucous annual; inflorescence racemose.

235083. *VICIA* sp.

Col. No. 16244. Limestone soil near Goppenstein. Elevation 1,300 meters. Wild, medium tall perennial; good seeder.

235084. *VICIA* sp.

Col. No. 16267. Along railroad near Chur. Wild, spreading perennial; leaves dense, fine; flowers yellow.

235085. *VICIA* sp.

No field number. Near Schuls.

235086. *AGROPYRON CANINUM* (L.) Beauv. Poaceae. **Wheatgrass.**

From Lebanon. Seeds presented by H. Wayne Springfield, Beirut. Received Oct. 18, 1956.

235087 to 235097.

From Germany. Seeds collected by Harry Schoth and H. S. Gentry, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 18, 1956.

Collected Aug., 1956.

235087 and 235088. *FESTUCA RUBRA* L. Poaceae. **Red fescue.**

235087. Col. No. 10. Bavarian Mountains near Steinach. Elevation 875 meters.

235088. Col. No. 15. Military Reservation, Hohenfels, Bavaria.

235089 and 235090. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

235089. Col. No. 7. Straubing, Bavaria.

235090. Col. No. 20. Bavarian Forest. Elevation 750 meters.

235091. *LOTUS CORNICULATUS* var. *ARVENSIS* (Pers.) Ser. **Trefoil.**

Col. No. 23. Military Reservation, Hohenfels, Bavaria.

235092. *MEDICAGO FALCATA* L. Fabaceae. **Yellow-flowered alfalfa.**

Col. No. 3. Helmberg, Straubing, Bavaria.

235093. *MEDICAGO SATIVA* L. **Alfalfa.**

Col. No. 6. Straubing, Bavaria.

235094. *MELILOTUS ALBA* Desr. Fabaceae. **White sweetclover.**

Col. No. 17. Military Reservation, Hohenfels, Bavaria.

235095 and 235096. *MELILOTUS OFFICINALIS* (L.) Lam. **Yellow sweetclover.**

235095. Col. No. 11. Reibesdorf, Bavaria. Plant isolated, vigorous.

235096. Col. No. 18. Military Reservation, Hohenfels, Bavaria. Plant low, branches freely; heavy seeder.

235097. *VICIA CRACCA* L. Fabaceae. **Bird vetch.**

Col. No. 12. Straubing, Bavaria.

235098 to 235100.

From Great Britain. Seeds presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received Oct. 19, 1956.

235098. *IPOMOEA DASYSERMA* Jacq. Convolvulaceae. **Morning-glory.**

235099. *IPOMOEA FRAGILIS* Choisy. **Morning-glory.**

235100. *OPERCULINA TUBEROSA* (L.) Meisn. Convolvulaceae.

235101 to 235106.

From Sweden. Seeds collected by H.S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 19, 1956.

235101. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

Col. No. 16344. Near Landskrona. Plant wild; stems long; leaves narrow.

235102. *LOTUS PEDUNCULATUS* Cav. **Trefoil.**

Col. No. 16362. Moist meadow 6.5 km. east of Lund. Low spreading wild perennial; leafy; rhizomatous.

235103 and 235104. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**

235103. Col. No. 16356. River bank near Uppsala. Spreading, decumbent, wild perennial; leafy.

235104. Col. No. 16356. Botanisk Genetiska Institutionen, Lantbruksrogskolan, Uppsala. Cultivated seeds from tetraploid strain.

235105 and 235106. *ROSA RUGOSA* Thunb. Rosaceae. **Rugosa rose.**

235105. Col. No. 16359. Uppsala. Bush type, cultivated; flowers all summer, red; fruits large.

235106. Col. No. 16360. Uppsala. Cultivated bush type; flowers all summer, white.

235107 to 235109.

From Cyprus. Seeds presented by the Department of Agriculture, Nicosia. Received Oct. 19, 1956.

From Syrianochori.

235107. *RUMEX CONGLOMERATUS* Murray Polygonaceae. **Clustered dock.**

235108. *RUMEX CYPRIUS* Murb. **Dock.**

235109. *RUMEX PULCHER* L. **Fiddleleaf dock.**

235110 to 235116.

From Denmark. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 19, 1956.

235110 and 235111. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

235110. Col. No. 16365. Dry hillside near Orholm, north of Copenhagen. Sept. 15, 1956. Leaves broad.

235111. Col. No. 16370. Roadside near Orholm, north of Copenhagen. Sept. 15, 1956.

235112. *LOTUS TENUIS* Waldst. & Kit. **Trefoil.**

Col. No. 16339. Peat swamp near Karise, Zealand. Sept. 1, 1956. Wild type; stems long, slender; leaflets narrow.

235113. *LOTUS CORNICULATUS* L. **Birdsfoot trefoil.**

Col. No. 16364. Slope near Orholm, north of Copenhagen. Sept. 15, 1956. Wild, scattered perennial.

235110 to 235116—Continued

235114 and 235115. *LOTUS PEDUNCULATUS* Cav. **Trefoil.**

235114. Col. No. 16367. Well drained meadow 4 km. southeast of Koge. Sept. 15, 1956. Plant wild; stoloniferous; stems to 8 dm. long; good seeder.

235115. Col. No. 16369A. Lakeside, Bregentred Estate southwest of Koge. Sept. 15, 1956. Plant wild; stems decumbent, 1 meter long; rooting along base.

235116. *TRIFOLIUM REPENS* L. **Fabaceae.** **Whiteclover.**

Col. No. 16366. Rocky hillside near Orholm, north of Copenhagen, Sept. 15, 1956. One atypical plant, spreading rapidly.

235117 to 235122.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Oct. 22, 1956.

235117. *CENCHRUS SETIGERUS* Vahl **Poaceae.** **Sandbur.**

235118. *CITRULLUS COLOCYNTHUS* (L.) Schrad. **Cucurbitaceae.** **Colocynth.**

I.W. 858.

235119. *PANICUM ANTIDOTALE* Retz. **Poaceae.** **Blue panic.**

I.W. 689.

235120. *PENNISETUM CILIARE* (L.) Link **Poaceae.**

235121. *PENNISETUM ORIENTALE* (L.) Rich.

I.W. 117.

235122. *SORGHUM* sp. **Poaceae.**

I.C. 4088.

235123 to 235126.

From the Netherlands. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 22, 1956.

Collected near Wageningen. July 28, 1956.

235123. *ARRHENATHERUM ELATIUS* (L.) Presl **Poaceae.** **Tall oatgrass.**

Col. No. 16112. Tall caney clumps; leafy.

235124. *DACTYLIS GLOMERATA* L. **Poaceae.** **Orchardgrass.**

Col. No. 16114. Clumps large; culms to 13 dm. high.

235125. *FESTUCA ARUNDINACEA* Schreb. **Poaceae.** **Tall fescue.**

Col. No. 16113. Perennial in swale.

235126. *TRIFOLIUM REPENS* L. **Fabaceae.** **Whiteclover.**

Col. No. 16115.

235127 to 235143.

From Japan. Seeds collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 23, 1956.

Collected Oct. 10, 1956.

235127. *BERCHEMIA RACEMOSA* Sieb. & Zucc. **Rhamnaceae.**

Japanese supplejack.

Col. No. 144. Sunny roadside places below Shibuyu Onsen. Elevation 1,500 meters. Wild shrub, scandent; flowers in early spring, small, pale green; fruits red, turning black.

235127 to 235143—Continued

- 235128.** *BETULA PLATYPHYLLA* var. *JAPONICA* (Miq.) Hara. Betulaceae.
Birch.

Col. No. 454. Open fields above Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,780 meters. Distinct type; bark white.

- 235129.** *ILEX GENICULATA* Maxim. Aquifoliaceae. **Droopbead holly.**

Col. No. 453. Open fields above Shibuyu Onsen. Elevation 1,740 meters. Rare, deciduous type; fruits bright red, profuse; stalks long.

- 235130.** *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. Pinaceae.
Hinoki falsecypress.

Col. No. 457. Open fields above Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,800 meters. Tree typical, to 15 feet high, scrublike in habit, wild, at limits of distribution, few noted.

- 235131.** *CLETHRA BARBINERVIS* Sieb. & Zucc. Clethraceae. **Tree-clethra.**

Col. No. 460. Rocky hillside, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,850 meters. Deciduous shrub, stiffly erect; flowers white, in terminal panicles.

- 235132.** *CONVALLARIA KEISKII* Miq. Convallariaceae.
Japanese lily-of-the-valley.

Col. No. 464. Open fields above Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,800 meters. Plant wild; flowers white, late May to June; fruit orange to red.

- 235133.** *HEMEROCALLIS THUNBERGII* Baker Liliaceae. **Daylily.**

Col. No. 458. Open field above Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,850 meters. Blooms in July, flowers lemon-yellow, faintly fragrant.

- 235134.** *HYDRANGAEA PANICULATA* Sieb. Hydrangeaceae. **Panicle hydrangea.**

Col. No. 468. Sunny places near Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,800 meters. Large wild shrub; leaves opposite; flowers white, in panicles; bracts sterile.

- 235135.** *ILEX RUGOSA* Fr. Schmidt Aquifoliaceae. **Holly.**

Col. No. 463. Dense forest. Elevation 2,020 meters. Prostrate evergreen; leaves rugose; fruits red.

- 235136.** *LIGUSTRUM OBTUSIFOLIUM* Sieb. & Zucc. Oleaceae. **Border privet.**

Col. No. 461. Above Shibuyu Onsen, rocky, semi-shaded areas at edge of fields, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,880 meters. Broad shrub to 3 feet high, spreading; leaves dull purple in October.

- 235137.** *LINDERA OBTUSILOBA* Blume Lauraceae.

Col. No. 469. Along roadside below Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Deciduous shrub; flowers yellow, before leaves; fruits red at first then shining black.

- 235138 and 235139.** *RHODODENDRON JAPONICUM* (Gray) Schneid. Ericaceae.
Japanese azalea.

235138. Col. No. 456. Open field above Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,800 meters. Dense, twiggy wild shrub to 3 feet high; winter damage considerable.

235139. Col. No. 459. Open fields above Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,870 meters. Plant late bloomer.

- 235140.** *ROSA MULTIFLORA* Thumb. Rosaceae. **Japanese rose.**

Col. No. 465. Open fields below Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,500 meters. Plant wild, highest elevation. stems thorny; fruit red.

235127 to 235143—Continued**235141.** *SCABIOSA JAPONICA* Miq. Dipsacaceae.

Col. No. 452. Open meadow above Shibuyu Onsen, Nagano Prefecture. Elevation 780 meters. Biennial; flowers pale to dark purple, sometimes white to pink; 2 inches across.

235142. *SCHISANDRA CHINENSIS* (Turcz.) Baill. Magnoliaceae.**Chinese magnolia-vine.**

Col. No. 467. Along road below Shibuyu Onsen, Yatsugatake Mountains, Nagano Prefecture. Elevation 1,500 meters. Vine; flowers whitish, in June; berries orange-red, in October.

235143. *SORBUS RUFO-FERRUGINEA* Schneid. Malaceae. **Mountain-ash.**

Col. No. 462. At edge of fields, usually as understory, above Shibuyu Onsen. Elevation 1,850 meters. Small tree; foliage bright red, underside reddish-brown; fruits bright red.

235144. *LONICERA SYRINGANTHA* Maxim. Caprifoliaceae.**Lilac honeysuckle.**

From the United States. Plant growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Oct. 23, 1956.

From an unknown source.

235145 to 235155.

From Great Britain. Bulbs presented by the Jodrell Laboratory, Royal Botanic Gardens, Kew, England. Received Oct. 23, 1956.

235145. *ALLIUM* sp. Liliaceae.**235146.** *ALLIUM ANGULOSUM* L.**235147.** *ALLIUM CARINATUM* L.**235148.** *ALLIUM GALANTHUM* Kar. & Kir.**235149.** *ALLIUM ROTUNDUM* L.**235150.** *ALLIUM SCORODOPRASUM* L.**235151.** *ALLIUM* sp.**235152.** *ALLIUM* sp.

K.314.

235153. *ALLIUM* sp.

K. 3144.

235154. *ALLIUM* sp.

K. 2967.

235155. *ALLIUM* sp.**235156 and 235157.**

From Belgium. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 24, 1956.

235156. *FESTUCA ELATIOR* L. Poaceae.**Meadow fescue.**

Col. No. 16100. Lemberge. July 24, 1956. Improved commercial strain; hay type.

235157. *LOLIUM MULTIFLORUM* Lam. Poaceae.**Italian ryegrass.**

Col. No. 16111. Lemberge. July 24, 1956. Improved commercial strain.

235158. *DIOSCOREA BULBIFERA* L. Dioscoreaceae.**Yam.**

From the United States. Tubers planted at the United States Plant Introduction Garden, Savannah, Georgia. Numbered Oct. 24, 1956.

Originally from the Isle of Hope, Chatham County, Georgia.

235159 and 235160. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Australia. Seeds presented by the New South Wales Department of Agriculture, Sydney, New South Wales. Received Oct. 24, 1956.

235159. 'Giza'.

235160. 'Heiti'.

235161 to 235164. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From France. Seeds presented by Ted Smolenski, Wisconsin. Received Oct. 24, 1956.

235161. 'Later'.

235163. 'Molinel'.

235162. 'Lille'.

235164. 'Vaillant'.

235165 to 235168. AVENA SATIVA L. Poaceae. Common oats.

From France. Seeds presented by Coulommiers, Seine-et Marne. Received Oct. 24, 1956.

235165. 'Avoine d'Hiver du Prieure'. **235167.** 'Nappe d'Argent'.

235166. 'Grise d'Hiver'.

235168. 22-IV.

235169 to 235191.

From various sources as indicated. Seeds received Oct. 25, 1956.

235169 to 235177. From Turkey.

235169. HORDEUM sp. Poaceae.

B-1-1953. 'Zafer Arpase No. 160'.

235170. HORDEUM sp.

B-13-1953 '7860/Yesilkey'. Istanbul.

235171. HORDEUM sp.

B-14-1953. '8974/Yesilkey'. Istanbul.

235172. HORDEUM sp.

B-15-1953. '9052/Yesilkey'. Istanbul.

235173. HORDEUM sp.

B-16-1953. '9068/Yesilkey'. Istanbul.

235174. HORDEUM sp.

B-17-1953. 'Tokak 157/37'. Ankara.

235175. HORDEUM sp.

B-18-1953. 'Gurak 24/'. Eskisehir.

235176. HORDEUM sp.

B-19-1953. 'Sakiz 66/'. Eskisehir.

235177. HORDEUM sp.

B-61-1953. 'Zafer Arpase No. 160'.

235178 to 235182. From Cyprus.

235178. HORDEUM sp.

B-2-1953. 'Paphitico/S-50-8'.

235179. HORDEUM sp.

B-3-1953. 'Cyprus Black/S-50-9'.

235169 to 235191—Continued**235180.** HORDEUM sp.

B-4-1953. 'Beladi/S-50-10'.

235181. HORDEUM sp.

B-5-1953. 'Athenais/S-50-34'.

235182. HORDEUM sp.

B-6-1953. 'Exadjion/S-50-36'.

235183. HORDEUM sp.

B-7-1953. Two-rowed. From Jordan.

235184 and 235185. From Kenya.**235184.** HORDEUM sp.

B-54-1953. 'Research'.

235185. HORDEUM sp.

B-55-1953. 'Prior'.

235186. HORDEUM sp.

B-56-1953. 'Beni Olid'. From Libya.

235187 to 235189. From Egypt.**235187.** HORDEUM sp.

B-57-1953. 'Beladi 16'.

235188. HORDEUM sp.

B-58-1953. 'Giza 68'.

235189. HORDEUM sp.

B-59-1953. 'Giza 73'.

235190. HORDEUM sp.

B-60-53. 'Lenta'. From Denmark.

235191. HORDEUM sp.

'Balder-B62'. From Sweden.

235192. ARACHIS HYPOGAEA L. Fabaceae.**Common peanut.**

From China. Seeds held at the Regional Plant Introduction Station, Experiment, Georgia. Numbered Oct. 24, 1956.

'Chiva'. From the Tainan District Agriculture Improvement Station, Tainan, Taiwan. Plant semierect.

235193 to 235198. SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From the British West Indies. Cuttings presented by the Central Sugar Cane Breeding Station, Barbados. Received Oct. 25, 1956.

235193. B 46364.**235196.** B 47419.**235194.** B 4788.**235197.** B 49119.**235195.** B 47258.**235198.** B 50112.**235199.** CAREX sp. Cyperaceae.

From Italy. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 25, 1956.

Col. No. 15963. Apennine Mountains between Parma and Spezzia. June 7, 1956. Elevation 2,500 feet. Perennial on thin rocky soil.

235200 to 235216. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paula, Campinas, Sao Paula. Received Oct. 26, 1956.

Selections from the following P.I. numbers.

235200 to 235207. Artificially selfed.

235200. From P.I. 204743-1. **235204.** From P.I. 205927-2.

235201. From P.I. 204743-2. **235205.** From P.I. 205927-4.

235202. From P.I. 204743-8. **235206.** From P.I. 205927-7.

235203. From P.I. 205927-1. **235207.** From P.I. 205927-8.

235208 to 235216. Open pollinated.

235208. From P.I. 204743. **235213.** From P.I. 205939.

235209. From P.I. 204750. **235214.** From P.I. 205940.

235210. From P.I. 204751. **235215.** From P.I. 205941.

235211. From P.I. 205111. **235216.** From P.I. 205942.

235212. From P.I. 205935.

235217. AGROSTIS TENUIS Sibth. Poaceae. Colonial bentgrass.

From Sweden. Seeds presented by the Seed Testing Station, Stockholm. Received Oct. 26, 1956.

235218 and 235219.

From France. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 26, 1956.

235218. FESTUCA OVINA L. Poaceae. Sheep fescue.

Col. No. 16141. About 5 meters west of Saulieu. Aug. 7, 1956. Plant dense; leaves hair-fine; culms short, fine.

235219. GENISTA sp. Fabaceae.

Col. No. 16132. Near Sombornon, Cote d'Or. Aug. 7, 1956. Rhizomatous; stems phylloid.

235220 to 235239. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Japan. Seeds presented by Kanto-Tosan Agricultural Experiment Station, Konosu, Saitama. Received Oct. 30, 1956.

235220. 'Akabozu'.

235221. 'Himekei No. 428-1' ('Timstein' × 'Chugoku No. 79') F¹.

235222. 'Himekei No. 453-1' ('Timstein' × 'Chugoku No. 79') F¹.

235223. 'Himekei No. 453-2' ('Timstein' × 'Chugoku No. 79') F¹.

235224. 'Himekei No. 453-3' ('Timstein' × 'Chugoku No. 79') F¹.

235225. 'Himeko No. 423' ('Timstein' × 'Chugoku No. 79') F¹.

235226. 'Konosu No. 25'.

235227. 'Konosu No. 26'.

235228. 'Norin No. 4'.

235229. 'Norin No. 8'.

235230. 'Norin No. 16'.

235231. 'Norin No. 20'.

235232. 'Norin No. 24'.

235233. 'Norin No. 26'.

235220 to 235239—Continued

235234. 'Norin No. 27'.
 235235. 'Norin No. 50'.
 235236. 'Norin No. 61'.
 235237. 'Norin No. 64'.
 235238. 'Norin No. 67'.
 235239. 'Shirasaya No. 2'.

235240 to 234246.

From Spain. Seeds presented by the Estacion Experimental de Aula Dei, Zaragoza. Received Oct. 30, 1956.

235240. *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae. Crested wheatgrass.
 235241. *ARGYROLOBIMUM LINNEANUM* Walp. Fabaceae.
 235242. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.
 235243. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
 235244. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
 235245. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
 235246. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

235247 to 235272.

From Japan. Plants collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Oct. 30, 1956. Collected Oct., 1956.

235247. *ARISAEMA RENGENS* Schott Araceae.
 Col. No. 492. Limestone ravines, Iwoji City, Kochi-ken. Plant wild, 2.5 feet high, aroid; leaves ternately divided; corm round, 2 inches in diameter.
 235248. *ARISAEMA TOSAENSE* Mak.

Col. No. 517. On Zozusan Mountain, Kotahira, Kagawa-ken. Perennial; leaves palmate; flowers green; fruit red.

- 235249 to 235256. *CAMELLIA SASANQUA* Thunb. Theaceae.
Sasanqua camellia.

235249. Col. No. 509. Between Shimizu and Nakamura, Tosa-ken.
 Plant wild; leaves small; petals narrow.

235250 to 235256. In Shrine Garden, Zozusan, Kotahira, Kagawa-ken.

235250. Col. No. 510. Flowers large, white, single.
 235251. Col. No. 511. Flowers large, white, semidouble.
 235252. Col. No. 512. Flowers large, dark red, single.
 235253. Col. No. 513. Flowers large, pink, single.
 235254. Col. No. 514. Flowers small, dark pink.
 235255. Col. No. 515. Flowers medium, pink and white, single.
 235256. Col. No. 516. Flowers medium, anemone, pink.

235257. *CHRYSANTHEMUM SHIWOGIKU* Kitamura Asteraceae.

Col. No. 484. Along sandy beach, Muroto-zaki, Kochi-ken. Plant wild, prostrate; some branches ascending; leaves thick, pubescent beneath; flowers in December, yellow.

235258. *CORYLOPSIS SPICATA* Sieb. & Zucc. Hammamelidaceae.

Col. No. 494. On shale, endemic to Kochi-ken, Wild, deciduous shrub, to 6 feet high; leaves broadly ovate; flowers bright yellow, before leaves.

235247 to 235272—Continued

235259. *DEBREGESIA EDULIS* (Sieb. & Zucc.). Wedd. Urticaceae.

Col. No. 493. Limestone ravine, Iwoji, Kochi-ken. Shrub rare, 9 feet high, probably hardy in north; leaves handsome, linear; fruit bright yellow.

235260. *DIPLAZIUM LANCEUM* Presl. Polypodiaceae.

Col. No. 488. Broadleaved woods, Muroto-zaki, Kochi-ken. Wild evergreen fern; leaves longly oblanceolate, entire.

235261. *FICUS PUMILA* L. Moraceae. Climbing fig.

Col. No. 473. On tree trunks, broadleaved woods, Muroto-zaki, Kochi-ken. Evergreen vine; leaves entire or 3 to 5 lobed, 0.5 inch long.

235262. *GLOCHIDION OBOVATUM* Sieb. & Zucc. Ranunculaceae.

Col. No. 486. From sea-coast, in broadleaved forest, Muroto-zaki, Kochi-ken. Elevation 300 feet. A small deciduous, spiny, wild shrub, partly evergreen according to locality; leaves distinctly obovate; flowers small, yellow, in May.

235263. *INDIGOFERA PSEUDOTINCTORIA* Mats. Fabaceae. Indigo.

Col. No. 480 A. Growing on sandy beach, Muroto-zaki, Kochi-ken. A prostrate ground-covering species attaining 3 feet spread; flowers purple, pods 1 inch long.

235264. *IRIS JAPONICA* Thunb. Iridaceae. Fringed iris.

Col. No. 521. In garden, Toraya Inn, Kotohira, Kagawa-ken. Garden variety; leaves with green and white stripes; flowers pale blue with yellow markings, in May. Said to be sterile.

235265. *LACTUCA KEISKEANA* (Maxim.) Mak. Cichoriaceae. Lettuce.

Col. No. 483. On sandy beaches and rocks, Muroto-zaki, Kochi-ken. Prostrate, herbaceous evergreen plant; flowers bright yellow.

235266. *OSMUNDA BROMELIAEFOLIA* (Presl) Copel. Osmundaceae.

Col. No. 490. In limestone ravines, damp shady locality, Iwoji, Kochi-ken. Wild, evergreen ferns, with pinnate fronds, 4 feet long.

235267. *PODOCARPUS NAGI* (Thunb.) Pilger Taxaceae.

Col. No. 474. In broadleaved woods above seacoast, Muroto-zaki, Kochi-ken. A tall evergreen tree; leaves shining dark-green; seed round, purplish when ripe. In cultivation.

235268. *PRUNUS ZIPPELIANA* Miq. Amygdalaceae.

Col. No. 482. In broadleaved woods above seacoast, Muroto-zaki, Kochi-ken. Wild evergreen cherry, 25 feet high; leaves large, ovate; flowers in racemes, greenish; fruit black.

235269. *PSILOTUM NUDUM* (L.) Beauv. Psilotaceae.

Col. No. 472. In humus, along path above seacoast, Muroto-zaki, Kochi-ken. A leafless plant; stems green, about 4 inches high.

235270. *PTERIS CRETICA* var. *ALBO-LINEATA* Hook. Polypodiaceae.

Col. No. 491. In limestone ravines, Iwoji, Kochi-ken. Small fern palmately divided fronds with white markings along midrib.

235271. *PYRROSIA LINGUA* (Thell.) Farwell Polypodiaceae.

Col. No. 489. Walls of rocky limestone ravines, Iwoji and Muroto-zaki, Kochi-ken. Evergreen fern; leaves small, long-lanceolate.

235272. *RUMOHRA ARISTATA* (Forst.) Ching Polypodiaceae.

Col. No. 407. In shaded, damp broadleaved woods, Muroto-zaki, Kochi-ken. Wild, evergreen fern, frond thick, shiny, aristate, to 2 feet long.

235273. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From Cuba. Seeds presented by the United States Operations Mission, Havana.
Received Oct. 30, 1956.

'Cubama'.

235274 and 235275.

From Guatemala. Seeds presented by the Estacion Experimental, "La Hulera,"
Cuyotenango, Suchitepequez. Received Oct. 31, 1956.

235274. HEVEA BENTHAMIANA Muell.-Arg. Euphorbiaceae. Rubber tree.
F-4540.

235275. HEVEA BRASILIENSIS (A. Juss.) Muell.-Arg. Para rubber tree.
FB-3333.

235276. AVENA SATIVA L. Poaceae. Common oats.

From Denmark. Seeds presented by the Abed Plant Breeding Station, Sollested.
Received Oct. 31, 1956.

'Max'.

235277 to 235281.

From France. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural
Explorers, Plant Introduction Section, Horticultural Crops Research Branch,
Beltsville, Md. Received Oct. 31, 1956.

235277. ANTHOXANTHUM ODORATUM L. Poaceae. Sweet vernalgrass.
Col. No. 16145. About 5 km. west of Saulieu. Aug. 7, 1956. Perennial;
leaves broad.

235278. AVENA FATUA L. Poaceae. Wild oats.
Col. No. 16129. Near Soubernon, Cote d'Or. Aug. 7, 1956. "Side-oats;"
stems thick.

235279 and 235280. BROMUS TECTORUM L. Poaceae. Cheatgrass.
235279. No. 16126. Near Soubernon, Cote d'Or. Aug. 7, 1956. Perennial
forming low, sparsely leaved sod.

235280. Col. No. 16128. Near Soubernon, Cote d'Or. Aug. 7, 1956.
Perennial; leaves long, voluminous.

235281. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.
Col. No. 16130. Near Soubernon, Cote d'Or. Aug. 7, 1956. Vigorous
bushy perennial.

235282 and 235283. ZEA MAYS L. Poaceae. Corn.

From Bolivia. Seeds presented by the Ministerio de Agricultura, Santa Cruz.
Received Oct. 31, 1956.

Grown at San Javier, Santa Cruz.

235282. 'Bayito'. Yellow.

235283. 'La Perla'. White.

235284 and 235285.

From Hawaii. Corms presented by the Hawaii Agricultural Experiment Station,
Honolulu. Received Oct. 31, 1956.

235284. MUSA sp. Musaceae.
'Apple'.

235285. MUSA sp.
'Ice Cream'.

235286. ALSTONIA CONSTRICTA F. Muell. Apocynaceae.

From Australia. Plants presented by the Commonwealth Scientific and Industrial Research Organization, Brisbane, Queensland. Received Nov. 1, 1956.

235287. GLYCINE JAVANICA L. Fabaceae.

From Southern Rhodesia. Seeds presented by the Grasslands Research Station, Marandellas. Received Nov. 1, 1956.

235288 and 235289. ZEA MAYS L. Poaceae.**Corn.**

From the Union of South Africa. Seeds presented by the Department of Agriculture, Pietermaritzburg, Natal. Received Nov. 1, 1956.

235288. B1008T.**235289.** B1259T.**235290. ANANAS COMOSUS (L.) Merr. Bromeliaceae. Pineapple.**

From Hawaii. Cuttings presented by the Hawaii Agricultural Experiment Station, Honolulu. Received Nov. 1, 1956.

'Smooth Cayenne'.

235291. SCHEFFLERA DIGITATA Forst. Araliaceae.

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Botany Division, Christchurch. Received Nov. 1, 1956.

235292. CINNAMONUM CASSIA Blume Lauraceae. Cassiabark-tree.

From Hong Kong. Plants presented by the Forestry Division of the Department of Agricultural, Fisheries & Forestry, Victoria. Received Nov. 5, 1956.

Grown at Castle Peak Forest Nursery.

235293 to 235302.

From Japan. Plants presented by the Shinto-En Nursery, Ise City, Mie Prefecture, through J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Division, Beltsville, Md. Received Nov. 5, 1956.

235293. PSILOTUM sp. Psilotaceae.

'Bunruisan'.

235294. PSILOTUM sp.

'Fudechku'.

235295. PSILOTUM sp.

'Higebow'.

235296. PSILOTUM sp.

'Huouchrimen'.

235297. PSILOTUM sp.

'Kisu F'.

235298. PSILOTUM sp.

'Kutukumo'.

235299. PSILOTUM sp.

'Nediechku'.

235300. PSILOTUM sp.

'Orizuru'.

235301. PSILOTUM sp.

'Seirukaku'.

235302. PSILOTUM sp.

'Toubaichku'.

235303. EXCOECARIA CRENULATA Wight Euphorbiaceae.

From Japan. Plant obtained by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 5, 1956.

Purchased from the Shinto-En Nursery, Ise City, Mie Prefecture. Originally from Java.

235304 to 235334.

From Japan. Plant material collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 6, 1956.

Collected Oct., 1956.

Plants and cutting from Ashizuri, on Shikoku Island, and from locations on Kii Peninsula.

235304. ALSOPHILA HANCOCKII Nakai Polypodiaceae.

Col. No. 500. In damp woods near Cape Ashizuri, Nakamura, Shikoku. Evergreen fern; fronds finely divided.

235305. ANGIOPTERIS SUBOPPOSITIFOLIA de Vries Marrattiaceae.

Col. No. 507. In damp woods, Ashizuri-zaki, Nakamura, Shikoku. Large evergreen fern; frond supra-decompound, 9 feet long.

235306. PEUCEDANUM JAPONICUM Thunb. Apiaceae.

Col. No. 502. On sea cliffs, in full sun. Ashizuri-zaki. Perennial; leaves ternately compound, to 18 inches long; flowers white, in compound head. Frequently used in flower arrangements.

235307. ARDISIA SIEBOLDII Miq. Myrsinaceae.

Col. No. 506. In deep shady forest glen, Ashizuri-zaki. Shrub evergreen to 3 feet; leaves elliptic, serrate; flowers white; fruits red.

235308. ARDISIA PUSILLA A.DC.

Col. No. 536. In damp woods of Shrine Forest, Shirahama, Wakayama-ken. Small, wild, prostrate evergreen; stem rooting; leaves ovate, serrate, dark green. Possibly a good ground cover.

235309. ARISAEMA sp. Araceae.

Col. No. 560. In damp woods, along streambed, Gegu Shrine Forest, Ise City, Mie Prefecture, Wild, herbaceous perennial; leaflets broadly lanceolate; fruits red.

235310. ASARUM sp. Aristolochiaceae.

Col. No. 542. Along mountain path, Nachi-san, Kii, Wakayama-ken. Herbaceous perennial; leaves green, heart shaped.

235311. ASARUM sp.

Col. No. 557. In damp woods, Gegu Shrine Forest, Ise City, Mie Prefecture. Wild, herbaceous perennial; leaves longly ovate, cordate, variegated gray green.

235312. ASPLENIUM WRIGHTII Eat. Polypodiaceae.

Col. No. 540. In damp woods of mountain forest, Nachi-san, Kii, Wakayama-ken. Large evergreen fern; leaves pinnate, dark shining.

235313. BAUHINIA JAPONICA Maxim. Caesalpiniaceae.

Col. No. 523. Koshima Island, Tanabe Bay, Kii, Wakayama. Wild deciduous liana at northern limit; leaves ovate, sometimes deeply lobed; flowers not seen.

235314. CAMELLIA JAPONICA L. Theaceae.

Common camellia.

Col. No. 534. In Kyoto University Experiment Forest, Oshima Island, Kushimoto, Wakayama. 'Shiro-tama'. Early variety; flowers large, double, cupshaped; color pink.

235304 to 235334—Continued

235315. CAMELLIA sp.

Col. No. 533. Kyoto University Experiment Forest, Oshima Island, Kushi-moto, Wakayama. Plant characterized by dark shiny, narrowly pointed leaves; flowers white, small, single.

Received as *C. wabishe*, an apparently unpublished name.

235316. CHRYSANTHEMUM JAPONENSE Nakai Asteraceae.

Col. No. 505. In full sun above sea cliff, Ashizuri-zaki. Leaves small; flowers in December, white with yellow center.

Collected as variety *ashizuriense*.

235317. DAMNACANTHUS MACROPHYLLUS var. GIGANTEUS Koidz. Rubiaceae.

Col. No. 552. Damp woods, Gegu Shrine Forest, Ise City, Mie Prefecture. Small, evergreen shrub; leaves opposite, ovate with small spines; fruits solitary, red.

235318. DICRANOPTERIS DICHOTOMA Bernh. Polypodiaceae.

Col. No. 525. In damp forest, Shirohama, Kii, Wakayama. Evergreen fern; fronds linear, deeply lobed; rhizome stout, ramifying.

235319. DISTYLIUM RACEMOSUM Sieb. & Zucc. Hamamelidaceae.

Col. No. 530. Oshima Island, near Kushimoto, Wakayama-ken. Evergreen tree; habit upright, stiff; used extensively for hedges and windbreaks.

235320. EUCHRESTA JAPONICA Benth. Fabaceae.

Col. No. 541. In cryptomeria forest, Nachi-san, Kii, Wakayama-ken. Small evergreen shrub; leaves trifoliate, leaflet ovate; pod dark purple, one-seeded.

235321. HEMEROCALLIS AURANTIACA var. LITTOREA Makino Liliaceae.

Daylily.

Col. No. 504. On face of sea cliffs, Ashizuri-zaki. Flowers orange-red, blooming in late October.

235322. HUGERIA JAPONICA Nakai Eriaceae.

Col. No. 543. Along mountain path, Nachi-san, Kii, Wakayama Prefecture. Small evergreen shrub; stems and branchlets green, leaves ovate-lanceolate, finely serrate; flowers white; berries red.

235323. HYMENOPHYLLUM BARBATUM Miq. Hymenophyllaceae.

Col. No. 538. Along mountain path, Nachi-san, Kii, Wakayama Prefecture. Small evergreen fern on damp rocky walls of ravines; fronds very thin, filmy; margin serrate.

235324. HYMENOPHYLLUM INTEGRUM Bosch.

Col. No. 539. In damp woods of mountain forest on rocky walls of ravines, Nachi-san, Kii, Wakayama Prefecture.

235325. LIPARIS NERVOSA Lindl. Orchidaceae.

Col. No. 550. Forest of Gegu Shrine, Ise City, Mie Prefecture. Wild, terrestrial orchid; leaves ovate; flowers in a spike, greenish, small.

235326. PELLIONIA MINIMA Makino Urticaceae.

Col. No. 537. In damp woods of cryptomeria forest, Nachi-san, Kii, Wakayama Prefecture. Wild, prostrate evergreen plant; stems purplish; leaves shiny, ovate.

235327. RHODODENDRON SERPYLLIFOLIUM (A. Gray) Miq. Ericaceae.

Col. No. 544. Along mountain path, Nachi-san, Kii, Wakayama. Small evergreen species; leaves minute; flowers white, 0.75 inches across.

235304 to 235334—Continued

235328. *SYMPLOCOS GLAUCA* Koidz. Symplocaceae. **Sweetleaf.**

Col. No. 526. In woods above Shrine Forest, Shirohama, Kii, Wakayama. Evergreen tree; leaves lanceolate, entire.

235329. *SYMPLOCOS PRUNIFOLIA* Sieb. & Zucc. **Sweetleaf.**

Col. No. 551. Forest of Gegu Shrine, Ise City, Mie Prefecture. Wild, evergreen tree, to 30 feet high; leaves narrow, elliptic; flowers not seen; fruits black.

235330. *SYMPLOCOS THEOPHRASTAEFOLIA* Sieb. & Zucc. **Sweetleaf.**

Col. No. 553. Forest of Gegu Shrine, Ise City, Mie Prefecture. Large wild evergreen tree, to 33 feet high; leaves large, elliptic, coarsely serrate, dark green.

235331. *TRACHELOSPERMUM ASIATICUM* var. *OBLANCEOLATA* Nakai Apocynaceae.

Col. No. 528. Oshima Island, near Kushimoto City, Wakayama Prefecture. Small evergreen vine; leaves narrow-lanceolate, shiny green; flowers white, tinged yellow.

235332. *TRICYRTIS FLAVA* Maxim. Liliaceae.

Col. No. 558. 'Nana'. Damp woods along stream bed, Gegu Shrine, Ise City, Mie Prefecture. Plant herbaceous; evergreen; leaves lanceolate, dark green spots; flowers yellow.

235333. *TRICYRTIS MACROPODA* Miq.

Col. No. 559. Along stream bed, woods of Gegu Shrine, Ise City, Mie Prefecture. Evergreen herbaceous plant; leaves lanceolate; flowers white with purple spots.

235334. *ZOYSIA JAPONICA* Steud. Poaceae. **Japanese lawngrass.**

Col. No. 503. Along sea cliffs in full sun, Ashizuri-zaki. Small leaf form.

235335 to 235346. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Uruguay. Seeds obtained by the Agricultural Attache, American Embassy, Montevideo. Received Nov. 6, 1956.

235335. 6-1. **235341.** 24-2.

235336. 6-2. **235342.** 24-3.

235337. 14-1. **235343.** 24-4.

235338. 17-1. **235344.** 30-1.

235339. 19-1. **235345.** 30-2.

235340. 24-1. **235346.** 34-1.

235347 to 235349.

From Great Britain. Seeds presented by Louis K. Mann, Richmond, Surrey, England. Received Nov. 6, 1956.

235347. *ALLIUM GLACIALE* Vved. Liliaceae.

235348. *ALLIUM ROTUNDUM* L.

235349. *ALLIUM TOLMIEI* Baker

235350 to 235352.

From Italy. Seeds presented by the Istituto di Botanica, Siena. Received Nov. 6, 1956.

235350. *QUAMOCLIT COCCINEA* (L.) Moench Convolvulaceae. **Scarlet starglory.**

235351. *IPOMOEA RUBRO-CAERULEA* Hook. Convolvulaceae. **Morning-glory.**

235352. *IPOMOEA TRICOLOR* Cav. **Morning-glory.**

235353 to 235355.

From Syria. Seeds presented by S. M. Shadeed, Jacksonville, N.C. Received Nov. 6, 1956.

From Damascus.

235353. *ALLIUM CEPA* L. Liliaceae.

Onion.

235354. *VICIA ERVILIA* (L.) Willd. Fabaceae.

Bitter vetch.

235355. *VICIA SATIVA* L.

Common vetch.

235356. *PISUM SATIVUM* L. Fabaceae.

Garden pea.

From Peru. Seeds presented through the Agricultural Attache, United States Embassy, Lima. Received Nov. 21, 1956.

'Chinchana'.

235357 to 235416.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 6, 1956.

235357. *PASPALUM ALMUM* Chase. Poaceae.

No. 12343.

235358. *PASPALUM COMMERTSONII* Lam.

No. 15392.

235359. *PASPALUM COMMUNE* Lillo

No. 11910.

235360. *PASPALUM CONVEXUM* Humb. & Bonpl.

No. 13646.

235361 to 235365. *PASPALUM DILATATUM* Poir.

Dallis grass.

235361. No. Q13.

235364. No. 17230.

235362. No. 9211.

235365. No. 17231.

235363. No. 11814.

235366. *PASPALUM FLORIDANUM* Michx.

No. 9191.

235367. *PASPALUM HUMBOLDTIANUM* Fluegge

No. 11857.

235368. *PASPALUM LAEVE* Michx.

Field paspalum.

No. 7478.

235369. *PASPALUM LANCEOLATUM* Mikan.

No. 11959.

235370. *PASPALUM MALACOPHYLLUM* Trin.

Ribbed paspalum.

No. 17651.

235371 to 235380. *PASPALUM NOTATUM* Fluegge

Bahia grass.

235371. No. 9212.

235376. No. 11820.

235372. No. 11816.

235377. No. 11858.

235373. No. 11817.

235378. No. 11863.

235374. No. 11818.

235379. No. 11864.

235375. No. 11819.

235380. No. 12344.

235381. *PASPALUM PANICULATUM* L.

No. 11823.

235357 to 235416—Continued

235382 and 235383. *PASPALUM PAUCICILIATUM* (Parodi) Herter

235382. No. 11824.

235383. No. 11859.

235384 and 235385. *PASPALUM PLICATULUM* Michx. **Brownseed paspalum.**

235384. No. 2741.

235385. No. 11826.

235386. *PASPALUM REGNELLI* Mez

No. 11860.

235387 to 235393. *PASPALUM SCROBICULATUM* L.

235387. No. 2696.

235391. No. 16063.

235388. No. 7948.

235392. No. 17120.

235389. No. 7949.

235393. No. 17791.

235390. No. 15395.

235394 and 235395. *PASPALUM SECANS* Hitchc. & Chase

235394. No. 11865.

235395. No. 11866.

235396. *PASPALUM SETACEUM* Michx.

No. 11961.

235397 and 235398. *PASPALUM SIMPLEX* Morong

235397. No. 11825.

235398. No. 11861.

235399 and 235400. *PASPALUM STRAMINEUM* Nash**Sand paspalum.**

235399. No. 11690.

235400. No. 12492.

235401 to 215405. *PASPALUM URVILLEI* Steud.**Vaseygrass.**

235401. No. 1348.

235404. No. 11868.

235402. No. 11828.

235405. No. 16333.

235403. No. 11830.

235406. *PASPALUM VIRGATUM* L.

No. 16064.

235407. *PASPALUM YAGUARONENSE* Henr.

No. 11867.

235408. *PASPALUM* sp.

No. 8592.

235409. *PASPALUM* sp.

No. 9211.

235410. *PASPALUM* sp.

No. 11829.

235411. *PASPALUM* sp.

No. 15396.

235412. *PASPALUM* sp.

No. 15517.

235357 to 235416—Continued**235413.** *PASPALUM* sp.

No. 15704.

235414. *PASPALUM* sp.

No. 15705.

235415. *PASPALUM* sp.

No. 16100.

235416. *PASPALUM* sp.

No. 16101.

235417. *CAMELLIA GRANTHAMIANA* Sealy Theaceae.

From Hong Kong. Cuttings presented by the Gardens Division, Urban Services Department, Victoria. Received Nov. 7, 1956.

235418 and 235419.

From Australia. Seeds presented by Ed. Pollock, Parkes, New South Wales. Received Nov. 7, 1956.

235418. *CLAUSENA ANISATA* (Willd.) Hook. f. Rutaceae.**235419.** *CLAUSENA EXCAVATA* Burm. f.**235420 to 235437.**

From Japan. Seeds collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 7, 1956.

Collected in southern Japan, Oct. 14 to 31, 1956.

235420. *ARISAEMA SHIKOKIANUM* Franch. & Sav. Araceae.

Col. No. 518. In woods at Zetzusan, Kotohira, Kagawa-ken, Shikoku. Perennial, 2 feet high; flower pure white; central column purplish, much inflated at tip; berries red.

235421. *ARISAEMA TOSAENSE* Mak.

Col. No. 517. In woods at Zetzusan, Kotohira, Kagawa-ken, Shikoku.

235422. *CAMELLIA SASANQUA* Thunb. Theaceae.***Sasanqua camellia.***

Col. No. 512. Zetzusan, Kotohira, Kagawa-ken, Shikoku.

235423. *CORYLOPSIS SPICATA* Sieb. & Zucc. Hamamelidaceae.

Col. No. 494. On serpentine hill, Kochi, Kochi-ken, Shikoku. Deciduous shrub; flowers bright yellow, before the leaves.

235424. *DAPHNIPHYLLUM GLAUCESCENS* Blume Euphorbiaceae.

Col. No. 475. Tree evergreen, to 30 feet high; leaves lanceolate, glaucous beneath; flowers unisexual, greenish; fruits black when ripe.

235425. *EURYA EMARGINATA* (Thunb.) Makino Theaceae.

Col. No. 485. Along beach areas, Muroto-zaki, Kochi-ken, Shikoku. Dense, spreading, dioecious, evergreen shrub; leaves elliptic, emarginate; flowers pale yellow, hanging beneath leaves in profusion; fruits black.

235426. *ILEX SERRATA* var. *SIEBOLDI* Loes. Aquifoliaceae.**Holly.**

Col. No. 495. On serpentine hills, above Kochi City, Kochi-ken. Plant deciduous; fruits in a cyme, red, rather small; 4 seeded.

235427. *INDIGOFERA PSEUDOTINCTORIA* Mats. Fabaceae.**Indigo.**

Col. No. 480. Along seacoast in sand, Muroto-zaki, Kochi-ken, Shikoku. Prostrate deciduous shrub; stems erect to decumbent, some specimens 3 feet across; flowers purple-pink; good ground cover.

235420 to 235437—Continued**235428.** *LYSIMACHIA SIKOKIANA* Miq. Primulaceae.

Col. No. 471. Muroto-zaki, in broadleaved evergreen forest, Kochi-ken. Subshrub, about 15 inches high; flowers axillary, yellow, hanging; fruits whitish; stems to 2 inches long.

235429. *MAESA JAPONICA* Mor. & Zoll. Myrsinaceae.

Col. No. 470. In broadleaved evergreen forest, Murotozaki, Kochi-ken, Shikoku. Evergreen shrub to 3 feet high; flowers inconspicuous; fruits small, yellowish when ripe.

235430. *MELIOSMA RIGIDA* Sieb. & Zucc. Sabiaceae.

Col. No. 476. Muroto-zaki, in broadleaved, evergreen forest, Kochi-ken, Shikoku. Evergreen tree; leaves broad, oblanceolate, shining, rugose above; flowers small; fruit round, yellow red; rare in cultivation.

235431. *NEOLITSEA* sp. Lauraceae.

Col. No. 519. On Zozusan, Kotohira, Shikoku. Evergreen tree to 50 feet high; leaves elliptic; flowers yellowish, in dense clusters along branches; fruit bright red, 2 to 3 in a cluster; related to *Cinnamomum*.

235432. *PODOCARPUS NAGI* (Thunb.) Pilger. Taxaceae.

Col. No. 474. In broadleaved evergreen forest, Murotozaki, Kochi-ken, Shikoku. Dioecious, evergreen tree; leaves ovate, lanceolate, shining, dark green; seeds round, purple when ripe.

235433. *QUERCUS WRIGHTII* Nakai Fagaceae.**Oak**

Col. No. 479. Along seacoast, Muroto-zaki, Kochi-ken, Shikoku. Shrub-like evergreen tree; leaves ovate, minutely serrate, pubescent beneath.

235434. *RAPHIOLEPIS UMBELLATA* (Thunb.) Makino Malaceae.**Yeddo-hawthorn.**

Col. No. 487. 'Mertensii'. Along seacoast, Muroto-zaki, Kochi-ken, Shikoku. Dense evergreen shrub; leaves roundish, thick; flowers white, in May; fruits purple.

235435. *ROSA WICHURIANA* var. *POTERIOFOLIA* Koidz. Rosaceae.**Rose.**

Col. No. 478. In sand along seacoast, Muroto-zaki, Kochi-ken, Shikoku. Plant prostrate, restricted habit; leaves small, shiny; flowers white, 1.5 inches across, fruits red, ovoid; makes good ground cover.

235436. *TERNSTROEMIA MOKOF* Nakai Theaceae.

Col. No. 520. In garden of Toraya Inn, Kotohira, Shikoku. Small, dioecious, evergreen tree; leaves oblanceolate, dark green; flowers whitish; fruits orange; seeds red.

235437. *VIBURNUM EROSUM* Thunb. Caprifoliaceae.

Col. No. 496. On serpentine hills, above Kochi City, Kochi-ken, Shikoku. Deciduous shrub to 8 feet high; fruit in loose cyme, red.

235438 to 235494.

From Switzerland. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 7, 1956.

Collected Aug., 1956.

235438. *AGROPYRON CANINUM* (L.) Beauv.**Wheatgrass.**

Col. No. 16185. In moist soil above Bienne. Elevation 750 meters. Tall, slender perennial.

235439. *AGROSTIS ALBA* L. Poaceae.**Redtop.**

Col. No. 16300. Near Schuls. Elevation 1,100 meters. Seed from one clump; leaf crown very heavy.

235438 to 235494—Continued

235440. *AGROSTIS PALUSTRIS* Huds.

Creeping bentgrass.

Col. No. 16302. Near Schuls. Forms a dense leafy turf.

235441. *ALOPECURUS PRATENSIS* L. Poaceae.

Meadow foxtail.

Col. No. 16256. Bottomland near Dielsdorf, north of Zurich. Elevation 425 meters. Tall perennial.

235442. *ALOPECURUS* sp.

Col. No. 16309. Susch. Elevation 1,350 meters. Seed from one long-leaved clump.

235443. *ALOPECURUS* sp.

Col. No. 16310. Susch. Elevation 1,350 meters.

235444 and 235445. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng Poaceae.**235444.** Col. No. 16238. Castle de Saxon. Elevation 600 meters. Plant with soft leaves, long culms.**235445.** Col. No. 16313. Susch. Elevation 1,350 meters. Common leafy perennial.**235446 to 235457.** *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.

Tall oatgrass.

235446. Col. No. 16148. Near La Cure, Swiss-French Border. Elevation 1,232 meters.**235447.** Col. No. 16150. By Lac de Joux. Elevation 1,000 meters. Slender, tufted perennial.**235448.** Col. No. 16175. Rocky slope by road near Le Pont. Elevation 750 meters. Slender perennial.**235449.** Col. No. 16198. Below Col du Pillon. Elevation 1,200 meters. Vigorous, practically nonshattering.**235450.** Col. No. 16202. Below Col du Pillon. Elevation 1,200 meters. Culms long; leaves small.**235451.** Col. No. 16209. Near Bex. Elevation 450 meters. One plant nearly 2 feet high.**235452.** Col. No. 16210. Near Bex. Elevation 450 meters.**235453.** Col. No. 16247. Near Kippel. Elevation 1,300 meters.**235454.** Col. No. 16250. Near Turtmann. Elevation 600 meters. Plant vigorous; leafy; holds seed well.**235455.** Col. No. 16265. Along railroad near Chur. Plants bushy; uniform seeding.**235456.** Col. No. 16275. Along railroad, Thusis. Plant with leafy stem; seeding uniform.**235457.** Col. No. 16290. Land slide area, Schuls. Elevation 1,100 meters. Isolated plant; wild.**235458.** *TRisetum FLAVESCENS* (L.) Beauv. Poaceae.

Col. No. 16170. Near Le Pont. Elevation 1,100 meters. Abundant perennial; palatable.

235459 and 235460. *HELIOTRICHON PUBESCENS* (Huds.) Pilger Poaceae.**235459.** Col. No. 16149. Near La Cure, Swiss-French border. Elevation 1,232 meters. Caney perennial; palatable.**235460.** Col. No. 16199. Below Col du Pillon. Elevation 1,200 meters. Perennial in natural pasture.**235461.** *BROMUS RUBENS* L. Poaceae.

Foxtail brome grass.

Col. No. 16282. Forested mountain slope near Thusis. Wild plant; leaves long, wide, soft; culms long.

235438 to 235494—Continued

235462 to 235468. *BROMUS TECTORUM* L. Poaceae. **Cheatgrass.**

235462. Col. No. 16153. By Lac de Joux. Elevation 1,000 meters.

235463. Col. No. 16155. Near La Cure, Swiss-French border. Elevation 1,232 meters.

235464. Col. No. 16169. Near Le Pont. Elevation 1,100 meters.

235465. Col. No. 16181. Rocky limestone slope, near St. Croix. Elevation 1,000 meters.

235466. Col. No. 16201. Below Col du Pillon. Elevation 1,200 meters. Plant with deep-leaved crown.

235467. Col. No. 16303. Land slide area near Schuls. Elevation 1,100 meters. Wild, small tufted perennial.

235468. Col. No. 16305. Dry slope, Ardez. Elevation 1,200 meters.

235469. *BROMUS TOMENTELLUS* Boiss. **Bromegrass.**

Col. No. 16212. Near Bex. Elevation 450 meters. Large wild clumps.

235470. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**

Col. No. 16281. Forested mountain slope near Thusis. Tufted wild perennial.

235471 to 235479. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

235471. Col. No. 16166. Near Le Pont. Elevation 1,100 meters. Tufts with long leaves; culms short.

235472. Col. No. 16167. Near Le Pont. Elevation 1,100 meters.

235473. Col. No. 16197. Below Col du Pillon. Elevation 1,200 meters. Appeared free from rust.

235474. Col. No. 16208. Near Bex. Elevation 450 meters. Large, wild, mature, leafy clumps.

235475. Col. No. 16246. Mountain slope Kippel. Elevation 1,300 meters. Tufts leafy; culms long.

235476. Col. No. 16259. Natural meadow, Wildhaus. Elevation 1,000 meters. Wild; cut for hay.

235477. Col. No. 16260. Natural meadow, Wildhaus. Elevation 1,000 meters. Wild clonal group; foliage heavy; late seeding.

235478. Col. No. 16301. Land slide area, near Schuls. Elevation 1,100 meters. Plant wild; late flowering.

235479. Col. No. 16308. Moist canyon, Susch. Elevation 1,350 meters. Wild; long, leafy plants; excellent forage.

235480. *PANICUM* sp. Poaceae.

Col. No. 16286. Coniferous forest area near Thusis. Small, leafy, shade tolerant, wild perennial; single spike.

235481. *PANICUM* sp.

Col. No. 16307. Moist canyon, Susch. Elevation 1,350 meters. Plant wild; leaves large, tender; 1 cm. wide, 40 to 50 cm. long; culms 1.5 meters high.

235482 to 235485. *PHALARIS ARUNDINACEA* L. Poaceae. **Reed canarygrass.**

235482. Col. No. 16183. Limestone soil along mountain stream about 10 km. west of Biel (Bienne.). Elevation 700 meters. Plants wild, in large colonies, 2.5 meters high.

235483. Col. No. 16253. In swamp about lake, Ketzensee near Zurich. Elevation 410 meters. Wild perennial, tall, caney; seeds mostly fallen.

235484. Bottom land near Dielsdorf, north of Zurich. Elevation 425 meters. Tall, wild perennial; seeds few.

235438 to 235494—Continued

235485. Col. No. 16261. Mountain meadow, Wildhaus. Elevation 1,100 meters. Plants short, wild; culms to 12 cm. high; seeds mostly sterile.

235486 to 235490. *POA PRATENSIS* L. Poaceae. **Kentucky bluegrass.**

235486. Col. No. 16207. Rocky, semi-dry site above Aigle. Elevation 1,000 meters. Wild, vigorous plant; nonshattering.

235487. Col. No. 16219. Near Liddes. Elevation 1,300 meters. Plant wild; lawn type; leaves short.

235488. Col. No. 16231. Meadow, Col du St. Bernard. Elevation 1,600 meters. Wild perennial; leaf crown deep green.

235489. Col. No. 16248. Hay meadow, Kippel. Elevation 1,300 meters. Leaves thin, numerous.

235490. Col. No. 16289. In alpine zone, Fluela Paso. Elevation 1,900 meters. Wild sod-forming perennial; leaves short.

235491 and 235492. *POA ALPINA* L. Poaceae. **Bluegrass.**

235491. Col. No. 16159. Limestone near La Cure, Swiss-French border. Elevation 1,232 meters. Plant wild.

235492. Col. No. 16224. Rocky site near Liddes. Elevation 1,300 meters. Plant wild; good turf form; blades short, dark green.

235493. *POA* sp.

Col. No. 16227. Dry rocky site near Liddes. Elevation 1,300 meters. Late wild plants in dense bunch.

235494. *POA* sp.

Col. No. 16312. Forest edge, Susch. Elevation 1,350 meters. Plants wild lawn type.

235495 to 235520.

From Japan. Seeds collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 8, 1956.

Collected in southern Japan, Oct. 14 to 31, 1956.

235495. *ACTINODAPHNE LANCIFOLIA* Meissn. Lauraceae.

Col. No. 556. Forest of Gegu Shrine, Ise City, Mie Prefecture, Honshu. Tree evergreen; bark flaky, brown-white, handsome; leaves ovate, fruits purple-black.

235496. *ALPINIA CHINENSIS* Rosc. Zingiberaceae.

Col. No. 531. Kyoto University Experimental Forest, Oshima Island, Wakayama Prefecture. Evergreen perennial to 2 feet high; fruits in a raceme; probably naturalized.

235497. *ASPARAGUS COCHINCHINENSIS* (Lour.) Merr. Convallariaceae.

Col. No. 497. Along seacoast, Murotozaki, Kochi-ken, Shikoku. Scandant perennial; leaves bright green, linear; fruits red.

235498. *CALLICARPA JAPONICA* var. *LUXURIANS* Rehd. Verbenaceae.

Beautyberry.

Col. No. 508. Ashizurizaki, Shikoku. Shrub to 15 feet high; flowers pale purple; fruit deep purple, in large clusters.

235499. *CALLICARPA MOLLIS* Sieb. & Zucc.

Fuzzy beautyberry.

Col. No. 509. In damp woods of Shrine Forest, Shirohama, Wakayama-ken, Kii. Shrub to 15 feet high; leaves densely pubescent; fruits purple, enclosed in enlarged calyx.

235495 to 235520—Continued

235500. *CAMELLIA OLEIFORA* Abel. Theaceae.

Col. No. 535. In Kyoto University Experimental Forest, Oshima Island, Kushimoto, Wakayama-ken. Evergreen shrub; flowers white, single, rather small; grown as a source of oil.

235501. *CASTANOPSIS CUSPIDATA* (Thunb.) Schottky. Fagaceae.

Col. No. 555. Forest of Gegu Shrine, Ise City, Mie Prefecture. Wild evergreen tree to 65 feet high, 18 inches in diameter; leaves narrow, lanceolate; acorns small, edible, black.

235502. *EURYA OCHNACEA* (DC.) Szysz. Theaceae.

Col. No. 545. Entrance to Kumano Shrine, Nachi-san, Wakayama Prefecture. Small evergreen tree or shrub; leaves ovate, entire; flowers white; berries black.

235503. *COCCULUS TRILOBUS* (Thunb.) DC. Menispermaceae.

Col. No. 522. Kashima Island, Tanabe, Wakayama Prefecture. Scandant vine; leaves round; fruit in large clusters, bright blue.

235504. *CRINUM ASIATICUM* var. *JAPONICUM* Baker. Amaryllidaceae.

Col. No. 529. Along roadside, Oshima Island, Kushimoto, Wakayama Prefecture. Flowers white, in large clusters, July to August.

235505. *DISTYLIUM RACEMOSUM* Sieb. & Zucc. Hamamelidaceae.

Col. No. 530. Along roadside as hedge plant, Oshima Island, Kushimoto, Wakayama Prefecture. Evergreen tree; grown as hedge or windbreak; leaves ovate, entire.

235506. *EUCHRESTA JAPONICA* Benth. Fabaceae.

Col. No. 541. In forest at Nachi-san, Wakayama Prefecture. Small evergreen shrub; running habit; leaves trifoliate, dark shiny green; pod dark purple, one seeded.

235507. *HEMEROCALLIS AURANTIACA* var. *LITTOREA* Makino Liliaceae.

Daylily.

Col. No. 504. On face of sea cliff, in full sun, Ashizurizaki, Shikoku. Flowers orange red, in late October.

235508. *ILEX INTEGRA* Thunb. Aquifoliaceae.

Holly.

Col. No. 501. Ashizurizaki, National Forest Ashizuri, Shikoku. Evergreen tree to 40 feet high; leaves entire; fruits usually in pairs, red, ovoid, largest of any species.

235509. *ILEX SERRATA* var. *SIEBOLDII* Loes.

Holly.

Col. No. 563. At Shingu City, Mie Prefecture. Wild deciduous form; fruits bright red; peduncles short; prodigious bearing habit.

235510. *LASIANTHUS JAPONICUS* Miq. Rubiaceae.

Col. No. 498. Nakamura City, Ashizurizaki, Shikoku. Evergreen shrub; flowers white, axillary; fruit brilliant blue, in October.

235511 and 235512. *LASIANTHUS SATSUMENSIS* Matsum.

235511. Col. No. 499. Nakamura City, Ashizurizaki, Shikoku. Leaves glaucous underneath.

235512. Col. No. 548. In dense forest, Nachi-san, Wakayama Prefecture. Small, evergreen shrub; leaves lanceolate, entire, dark green above; fruits in axillary cymes, bright blue.

235513. *PHOTINIA VILLOSA* var. *LAEVIS* (Thunb.) Dipp. Malaceae.

Col. No. 565. Shingu City, Mie Prefecture. Handsome deciduous shrub; fruits red, oblong; foliage good red fall color.

235495 to 235520—Continued

235514. *QUERCUS GLAUCA* Thunb. Fagaceae. **Blue Japanese oak.**

Col. No. 554. Forest of Gegu Shrine, Ise City, Mie Prefecture. Tree evergreen, 50 feet high; leaves ovate, coarsely serrate, shiny above, glaucous beneath.

235515. *SCIADOPITYS VERTICILLATA* (Thunb.) Sieb. & Zucc. Pinaceae. **Umbrellapine.**

Col. No. 562. In forest of Gegu Shrine, Ise City, Mie Prefecture. Conifer to 100 feet high; typical.

235516. *TSUGA SIEBOLDII* Carr. Pinaceae. **Hemlock.**

Col. No. 561. Forest of Gegu Shrine, Ise City, Mie Prefecture. Handsome species, characterized by having entire leaf margins and notched apex; cones large, sharply pointed.

235517. *TUBOCAPSICUM ANOMALUM* (Franch. & Sav.) Makino. Solanaceae.

Col. No. 524. In forest of Shrine, Shirohama, Wakayama Prefecture. A subshrub; stems green; fruits bright orange, hanging on stalks to 2 inches long.

235518. *VIBURNUM JAPONICUM* (Thunb.) Spreng. Caprifoliaceae.

Col. No. 532. Kyoto University Experimental Forest, Oshima Island, Wakayama Prefecture. An evergreen species with dense cymes of red fruit; cultivated to some extent.

235519. (Undetermined.)

Col. No. 549. In *Cryptomeria* forest, Nachi-san, Wakayama Prefecture. Small vine; leaves trifoliate; pods 2 inches long, bright purple, quite ornamental.

235520. (Undetermined.)

Col. No. 566. In Botanic Garden, Gegu Shrine, Ise City, Mie Prefecture. An evergreen shrub to 8 feet high; leaves opposite, entire; fruits black.

235521. *TRIFOLIUM MENEGHIANUM* Clem. Fabaceae.

From Turkey. Seeds collected by N. W. Nixon, Soil Conservation Service, United States Department of Agriculture. Received Nov. 8, 1956.

From the shore of the Black Sea.

235522 to 235524.

From South Australia. Seeds presented by the Director of the Botanic Garden, Adelaide. Received Nov. 8, 1956.

235522. *CASSIA AUSTRALIS* var. *REVOLUTA* (F. Muell.) F. M. Bail. **Caesal-piniaceae. Senna.**

235523. *CASSIA CANNA* Nees & Mart. **Senna.**

235524. *TECOMARIA GARROCHA* (Hieron.) K. Sch. Bignoniaceae.

235525 to 235531.

From Denmark. Seeds presented by Dr. Barseiu, Botanical Division of the University, Copenhagen, Denmark, through H. S. Gentry, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 9, 1956.

Sources given are origin of material.

235525. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**
No. 92. Montpellier, France.

235526 to 235531. *LOTUS PEDUNCULATUS* Cav. Fabaceae. **Trefoil.**

235526. Copenhagen.

235527. No. 1158. Vacrotot, Hungary.

235528. No. Nr A6. Botanic Garden, Schlusselfburg-Kenhof, Germany.

235529. No. 71. Botanic Garden, Trieste, Italy.

235525 to 235531—Continued**235530.** No. 1. Royal Botanical Gardens, Kew, England.**235531.** No. 2. Royal Botanical Gardens, Kew, England.**235532 to 235535.**

From Denmark. Cuttings presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received Nov. 9, 1956.

235532 and 235533. RHEUM (hybrids). Polygonaceae. **Rhubarb.****235532.** 'Elmsfeur'.**235533.** 'Wine Rhubarb'.**235534.** SAMBUCUS CANADENSIS L. Caprifoliaceae. **American elder.**
'Maxima'.**235535.** SAMBUCUS NIGRA L. **European elder.****235536.** SECALE CEREALE L. Poaceae. **Rye.**From France. Seeds presented by the Centre Technique d'Agriculture, Topicale, Nogent-Sur-Marne. Received Nov. 9, 1956.
'Grand Crouelle'.**235537 to 235540.** MEDICAGO SATIVA L. Fabaceae. **Alfalfa.**

From Spain. Seeds presented by the Servicios Tecnicos Agricultura, Lerida. Received Nov. 9, 1956.

235537. 'Alfaro'. **235539.** 'Milagro'.**235538.** 'Callego'. **235540.** 'Urgel'.**235541 to 235548.**

From Sweden. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 13, 1956.

235541. AGROSTIS PALUSTRIS Huds. Poaceae. **Creeping bentgrass.**

Col. No. 16345. Natural pasture near sea, Landskrona. Sept. 5, 1956. Wild plant forming a deep sod.

235542. ALOPECURUS PRATENSIS L. Poaceae. **Meadow foxtail.**

Col. No. 16358. Riverside, near Uppsala. Sept. 9, 1956. Wild colonial hydrophyte.

235543. ARRHENATHERUM ELATIUS (L.) Presl Poaceae. **Tall oatgrass.**

Col. No. 16357. Near Uppsala. Sept. 9, 1956. Plant leafy colonial.

235544. BROMUS RUBENS L. Poaceae. **Foxtail brome grass.**

Col. No. 16348. Edge of timber, in dense shade 14 km. north of Svalof. Sept. 6, 1956. Wild plant; leaves broad; culms long.

235545 to 235547. PHALARIS ARUNDINACEA L. Poaceae. **Reed canarygrass.****235545.** Col. No. 16350. Roadside, 14 km. north of Svalof. Sept. 6, 1956. Plant with tall leafy canes; ergot present.**235546.** Col. No. 16352. Peaty meadow 20 km. north of Svalof. Sept. 6, 1956. Clones wild; ergot present.**235547.** Col. No. 16355. River bank near Uppsala. Sept. 9, 1956. Plant wild; culms leafy, 1.5 meters high; ergot present.**235548.** PHLEUM PRATENSE L. Poaceae. **Timothy.**

Col. No. 16353. Peaty meadow 20 km. north of Svalof. Plants wild.

- 235549.** *QUAMOCLIT COCCINEA* (L.) Moench Convolvulaceae. **Scarlet starglory.**
From Nigeria. Seeds presented by the University College, Ibadan. Received Nov. 13, 1956.
- 235550.** *GOSSYPIUM* (hybrid). Malvaceae. **Cotton.**
From Mexico. Seeds presented by the Carnegie Institution, Stanford, Calif. Received Nov. 13, 1956.
Collected along Paseo de Las Olas Altas, Mazatlan, Sinaloa, Mexico.
- 235551.** *PHALARIS ARUNDINACEA* L. Poaceae. **Reed canarygrass.**
From Denmark. Seeds collected by H. S. Gentry and Harry Schoth, Agricultural Explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 13, 1956.
Col. No. 16368. About 4 km. south of Koge.
- 235552.** *BOEHMERIA NIVEA* (L.) Gaud. Urticaceae. **Ramie.**
From China. Seeds presented by the Tainan Experiment Station, Taiwan, Agricultural Research Institute. Received Nov. 13, 1956.
'Nanhua Green Skin'.
- 235553 to 235562.**
From Bolivia. Seeds presented by E. G. Beinhart, Santa Cruz. Received Nov. 13, 1956.
- 235553 and 235554.** *NICOTIANA OTOPHORA* Griseb. Solanaceae. **Tobacco.**
235553. No. 4.
235554. No. 5.
- 235555 to 235557.** *NICOTIANA PLUMBAGINIFOLIA* Viv. **Tobacco.**
235555. No. 1.
235556. No. 2.
235557. No. 3.
- 235558 to 235562.** *NICOTIANA TABACUM* L. **Common tobacco.**
235558. No. 6. **235561.** No. 9.
235559. No. 7. **235562.** No. 10.
235560. No. 8.
- 235563.** *GOSSYPIUM* (hybrid). Malvaceae. **Cotton.**
From Yugoslavia. Seeds presented by the Agriculture Institute, Zajecar, Serbia. Received Nov. 14, 1956.
'Pamuk'.
- 235564.** *GOSSYPIUM* (hybrid). Malvaceae. **Cotton.**
From Germany. Seeds presented by Helmut Leuze, Owen-Tech, Wiirttemberg. Received Nov. 14, 1956.
'Peruyi'. (31-32 mm.) Russian origin.
- 235565 and 235566.** *ATRIPLEX NUMMULARIA* Lindl. Chenopodiaceae. **Saltbush.**
From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Nov. 14, 1956.
235565. C734.
235566. W493.

235567 to 235576.

From Japan. Plants collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 14, 1956.

Collected in Nov., 1956.

235567. *ASARUM* sp. Aristolochiaceae.

Col. No. 575. Along bank, Rokko-san Alpine Park, Kobe. Small, wild plant; leaves green, faintly mottled.

235568. *CAMELLIA JAPONICA* L. Theaceae.

Common camellia.

Col. No. 574. Along mountain road, Rokko-san, Kobe. Plant cultivated; late flowering, June 15 to 20, single, red.

235569 to 235573. *CAMELLIA SINENSIS* (L.) Kuntze Theaceae.

Tea.

National Tea Experiment Station, Kanoya, Shizuoka Prefecture. Cultivated, vegetative selections.

235569. Col. No. 567. 'Yabukita'.

235571. Col. No. 569. 'Benihomare'.

235570. Col. No. 568. 'Tamidori'.

235572. Col. No. 570. Y-2

235573. Col. No. 571. Z-1.

235574. *ILEX MUTCHAGARA* Makino Aquifoliaceae.

Holly.

Col. No. 578. Kyoto University Botanic Garden, Kyoto. Evergreen tree to 20 feet high; leaves ovate-lanceolate; fruits black.

235575. *PYRUS SEROTINA* Rehder Malaceae.

Pear.

Col. No. 579. Kyoto University Botanic Garden, Kyoto. Scions of true wild species, almost extinct in Japan.

235576. *SACCHARUM SPONTANEUM* L. Poaceae.

Sugarcane.

Col. No. 577. Kyoto University Botanic Garden, Kyoto.

235577 and 235578. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Nan Hai Road, Teipei, Taiwan. Received Nov. 14, 1956.

235577. A. var. 'Ta-ku'. Originally from the mountains of Java.

235578. B. var. 'X'. From the Yunlin Hsien Economic Farm.

235579 and 235580. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Italy. Seeds presented by the University of Pisa, Pisa. Received Nov. 14, 1956.

235579. 'Cremona'.

235580. 'Marchetti 112'.

235581 to 235584.

From Japan. Seeds collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 15, 1956.

235581. *CORNUS* sp. Cornaceae.

Col. No. 573. In Korahuen Park, Okayama City. Small tree with profuse orange-red fruits, about 0.5 inch long, fleshy; possibly of Chinese origin.

235582. *DENDROPANAX TRIFIDUS* (Thunb.) Makino ex. Hara. Araliaceae.

Col. No. 572. Near Okayama City. A handsome, small, wild, evergreen tree; leaves entire or divided, 3 to 5; suited for shady locations.

235581 to 235584—Continued

235583. *Ilex mutchagara* Makino Aquifoliaceae. **Holly.**

Col. No. 578. From Kyoto University.

235584. *Iris kaempferi* Sieb. Iridaceae. **Japanese iris.**

Col. No. 576. Seiko-en Nursery, Kanemaru, Hiroshima-ken. Hand-pollinated seed from choice garden hybrids of the Kumamoto strain.

235585 to 235591. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Brazil. Clones established at the United States Plant Introduction Station, Coconut Grove, Florida. Numbered Nov. 15, 1956. Received Sept. 4, 1956 from the Instituto Agronomico do l'Este, Bahia.

235585. IAL-8. P.I.G. 15616. **235589.** IAL-56. P.I.G. 15620.

235586. IAL-24. P.I.G. 15617. **235590.** IAL-93. P.I.G. 15621.

235587. IAL-42. P.I.G. 15618. **235591.** IAL-407. P.I.G. 15622.

235588. IAL-44. P.I.G. 15619.

235592 to 235611.

From the United States. Clones established at the United States Plant Introduction Station, Coconut Grove, Florida. Numbered Nov. 15, 1956. Received Sept. 18, 1956, from Turrialba, Costa Rica.

235592 and 235593. *Hevea benthamiana* Muell.-Arg. Euphorbiaceae. **Rubber tree.**

Clones from jungle-selected mother trees in Colombia.

235592. Col-480.

235593. Col-509.

235594 to 235599. *Hevea brasiliensis* (A.Juss.) Muell.-Arg. **Para rubber tree.**

235594 and 235595. Clones developed at Firestone Plantations, Harbel, Liberia.

235594. C-228 Tj-16×Tj-1.

235595. C-321 Du-52×Tj-1.

235596 to 235598. Clones originally from southeastern Asia.

235596. GA-50 (AVROS-50).

235597. GV-8 (GL-1).

235598. GV-49 (PB-5/63).

235599. GX-150. Open pollinated seedling of Tj-1. Clones developed by Goodyear Rubber Company in Costa Rica.

235600 to 235602. *Hevea nitida* Muell.-Arg. **Rubber tree.**

Selections made in Costa Rica from seeds collected in Colombian jungle. Resistant to *Dothidella ulei*.

235600. No. 1.

235601. No. 2.

235602. No. 3.

235592 to 235611—Continued**235603 to 235611.** *HEVEA* (hybrids).**Rubber tree.**

Clones developed in Brazil, either backcrosses or outcrosses. All have *Hevea benthamiana* clone F-4542 in their parentage. All have some resistance to *Dothidella ulei*.

235603. IAN-2830 FX-516×
PB-86.**235608.** IAN-2973 FX-4073×
PB-86.**235604.** IAN-2872 FX-516×
PB-86.**235609.** IAN-3478 Tj-16×
FX-4037.**235605.** IAN-2884 FX-516×
PB-86.**235610.** IAN-3651 FX-516×
Tj-1.**235606.** IAN-2926 FX-516×
PB-86.**235611.** IAN-3855 FX-349×
PB-186.**235607.** IAN-2951 FX-4073×
PB-86.**235612.** *BROMUS SECULINUS* L. Poaceae.**Chess bromegrass.**

From Cyprus. Seeds presented by the Director of Agriculture, Nicosia. Received Nov. 16, 1956.

235613 and 235614.

From India. Seeds presented by the Delhi University, through the Agricultural Attache, United States Embassy, New Delhi. Received Nov. 16, 1956.

235613. *AMARANTHUS SPINOSUS* L. Amaranthaceae.**235614.** *SORGHUM VULGARE* Pers. Poaceae.**235615 to 235635.**

From Japan. Seeds and cuttings collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Nov. 19, 1956.

235615 to 235630. *CHRYSANTHEMUM* (hybrids). Asteraceae.

Cuttings from Mr. N. Koido Bisho-en Nursery, Motomachi, Matsumoto.

235615. Col. No. 106. 'Beni-Botan'. Flowers purplish red. (Tree peony.)**235616.** Col. No. 113. 'Dai-higyo'. Flowers scarlet red. (Large scarlet jewel.)**235617.** Col. No. 107. 'Dai-kin-ryu'. Flowers yellow. (Golden dragon.)**235618.** Col. No. 108. 'Haku-sei'. Flowers white. (White star.)**235619.** Col. No. 115. 'Hosan-no-kagayaki'. Flowers yellow. (Brilliance of Hosan.)**235620.** Col. No. 101. 'Kagero'. Flowers red. (Heat haze.)**235621.** Col. No. 104. 'Kogetsu'. Flowers yellow. (High moon.)**235622.** Col. No. 111. 'Koshin'. Flowers deep red. (Red lip.)**235623.** Col. No. 116. 'Mitsu-zuki'. Flowers yellow.**235624.** Col. No. 112. 'Otome-no-hikari'. Flowers pink. (Light of Maiden.)**235625.** Col. No. 103. 'Ryo-hu'. Flowers white. (Cool wind.)**235626.** Col. No. 105. 'Sei-ryu'. Flowers yellow. (Blue dragon.)**235627.** Col. No. 110. 'Sei-un'. Flowers white. (Clear cloud.)**235628.** Col. No. 116. 'Shinano-no-homare'. Flowers yellow.**235629.** Col. No. 102. 'Shin-to'. Flowers yellow.**235630.** Col. No. 109. 'Ten-kei'. Flowers pink. (Gift of Heaven.)

235615 to 235635—Continued**235631 and 235632.** *HIBISCUS MUTABILIS* L. Malvaceae.**Cotton rosemallow.**

Cuttings from nursery of Mr. Suzuki, Yokohama.

235631. Col. No. 582. Double red flowers.**235632.** Col. No. 583. Double white flowers.

Seeds collected Nov. 13, 1956.

235633. *CARPINUS LAXIFLORA* Blume Betulaceae.**Hornbeam.**

Col. No. 580. Kanokawa Pass, between Kinomoto and Yamato, Kii. Deciduous tree to 40 feet high; bark smooth, gray; leaves small; fruit in loose raceme; handsome.

235634. *PYRUS SEROTINA* Rehder. Malaceae.**Pear.**

Col. No. 584. Near Tomiuska, Yokohama. Wild type, almost extinct in Japan.

235635. *STAUNTONIA HEXAPHYLLA* Decaisne Lardizabalaceae.**Japanese stauntonvine.**

Col. No. 581. Near Angyo, Saitama Prefecture. Deciduous or semi-evergreen vine; leaves 6-parted; fruits large, greenish; seeds black; rare. Hardy at Glenn Dale, Md.

235636. *PUERARIA PHASEOLOIDES* (Roxb.) Benth. Fabaceae.

From Surinam. Seeds presented by the Agricultural Experiment Station, Paramaribo. Received Nov. 23, 1956.

235637 and 235638.

From Nigeria. Seeds presented by the West African Institute for Oil Palm Research, near Benin City, Northern Region. Received Nov. 23, 1956.

235637. *HYPHAENE* sp. Phoenicaceae.**235638.** *RAPHIA VINIFERA* Beauv. Phoenicaceae.**235639.** *HORDEUM SPONTANEUM* C. Koch. Poaceae.**Barley.**

From Germany. Seeds presented by Max Planck Institute, Cologne. Received Nov. 23, 1956.

235640 to 235642. *TRITICUM* (hybrids). Poaceae.**Wheat.**

From Spain. Seeds presented by the Estacion Experimental del Aula Dei, Zaragoza. Received Nov. 23, 1956.

234640. *Triticum dicoccoides* × *Secale cereale* (DS-2) × (28).**235641.** *Triticum dicoccum* × *Secale cereale* (DI-1) × (33).**235642.** *Triticum durum* × *Secale cereale* (DU-14) × (65).**235643.** *INDIGOFEA SUFFRUTICOSA* Mill. Fabaceae.**Indigo.**

From Indonesia. Seeds presented by the Institute for Agricultural Research, Bogor. Received Nov. 23, 1956.

235644. *IMPERATA EXALTATA* Brongn. Poaceae.

From the Philippines. Seeds presented by the Director of Plant Industry, Manila. Received Nov. 23, 1956.

From the Daliaon Plantation, Davao City.

235645 to 235656.

From the United States. Seeds purchased from Harry E. Saier, Seedsman, Dimondale, Michigan. Received Nov. 26, 1956.

235645. *CALONYCTION ACULEATUM* (L.) House Convolvulaceae.**Moonflower.**

235645 to 235656—Continued

235646. *IPOMOEA SINUATA* Ortega Convolvulaceae. Morning-glory.
 235647. *IPOMOEA LINDHEIMERI* Gray Morning-glory.
 235648. *IPOMOEA SETOSA* Ker. Brazilian morning-glory.
 235649. *IPOMOEA SUPERBA* G. Don. Morning-glory.
 235650. *IPOMOEA TRICOLOR* Cav. Morning-glory.
 235651. *IPOMOEA* sp.
 'Blue Star'.
 235652. *IPOMOEA* sp.
 'Cornell'.
 235653. *IPOMOEA* sp.
 'Darling'.
 235654. *IPOMOEA* sp.
 'Pearly Gates'.
 235655. *IPOMOEA* sp.
 'Scarlet O'Hara'.
 235656. *IPOMOEA* sp.
 'White Magic'.

235657. CITROPSIS SCHWEINFURTHII (Engler) Swingle & Kellerman Rutaceae.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique du Congo Belge. Received Nov. 27, 1956.

235658 to 235670.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Received Nov. 27, 1956. Obtained through the College of Agriculture, Davis, Calif.

Original sources of material indicated.

235658 to 235660. From Australia.

235658. *CARTHAMUS OXYACANTHA* Bieb. Asteraceae.

Cal. 54-55.

235659 and 235660. *CARTHAMUS TINCTORIUS* L.

Safflower.

235659. Cal. 54-53.

235660. Cal. 54-54.

235661. *CARTHAMUS* sp.

Larissa, Greece. Cal. 54-49.

235662 and 235663. Hebrew University, Jerusalem, Israel.

235662. *CARTHAMUS GLAUCUS* Bieb.

Cal. 54-52.

235663. *CARTHAMUS PALAESTINUS* Eig.

Cal. 54-51.

235664 and 235665. *CARTHAMUS TENUIS* (Boiss. & Blume) Bornm.

235664. Cal. 1-53-2. Israel.

235665. Cal. 54-50. Hebrew University, Jerusalem, Israel.

235666. *CARTHAMUS LANATUS* L.

Cal. 1-51-1. From Portugal.

235658 to 235670—Continued**235667.** *CARTHAMUS OXYACANTHA* Bieb.

Cal. 54-40. From India.

235668. *CARTHAMUS LANATUS* L.

Cal. 54-58. From the Netherlands.

235669. *CARTHAMUS* sp.

Cal. 54-60. College of Agriculture, Davis, Calif.

235670. *CARTHAMUS* sp.

Cal. 54-62. College of Agriculture, Davis, Calif.

235671. *CROTALARIA JUNCEA* L. Fabaceae. **Sunn crotalaria.**

From Brazil. Seeds presented by the Agricultural Attache, United States Embassy, Rio de Janeiro. Received Nov. 30, 1956.

235672. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**

From Ecuador. Seeds collected by the Tropical Agricultural Experiment Station, Quevedo. Received Dec. 3, 1956.

‘Pichilingue’. Unusual type, of genetic and very probable horticultural interest; semi-dwarf; profusely branching; leaves thick, dark green, narrow; fruits round, crop excellent.

235673. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Dec. 3, 1956.

From the Rockefeller Institute, New York, N.Y. Lot 2874A. A true-breeding line resistant to tobacco-mosaic virus; fruits large, smooth, tend not to crack.

235674. *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**

From Costa Rica. Seeds presented by the Inter-American Institute of Agricultural Sciences, Turrialba. Received Dec. 3, 1956.

235675 and 235676. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Vietnam. Cuttings presented by the United States Operations Mission, Saigon. Received Dec. 3, 1956.

235675. ‘Mia Moi’.**235676.** ‘Mia Vang’.**235677 to 235733.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Dec. 5, 1956.

235677. *BOTHRIODCHLOA DECIPIENS* (Hack.) C. E. Hubb. Poaceae.

Q199. Queensland.

235678. *BOTHRIODCHLOA INTERMEDIA* (R. Br.) A. Camus

C933. Northern Territory.

235679 and 235680. *CHIONACHNE CYATHOPODA* F. Muell. Poaceae.**235679.** C921. Northern Territory.**235680.** Q260. Queensland.**235681 and 235682.** *CHRYSOPOGON FALLAX* S. T. Blake Poaceae.**235681.** C841. Northern Territory.**235682.** Q195. Queensland.**235683.** *COELORACHIS ROTTBOELLIODES* (R. Br.) A. Camus Poaceae.

C944. Northern Territory.

235677 to 235733—Continued

- 235684 to 235686. *CYMOPOGON BOMBYCINUS* (R. Br.) Domin Poaceae.
 235684. C860. Northern Territory.
 235685. C969. Northern Territory.
 235686. Q203. Queensland.
- 235687 and 235688. *CYMOPOGON EXALTATUS* (R. Br.) A. Camus.
 235687. Q206. Queensland.
 235688. W639. Western Australia.
235689. *CYMOPOGON OBTECTUS* S. T. Blake Poaceae.
 Q283. Queensland.
235690. *CYMOPOGON PROCERUS* (R. Br.) A. Camus.
 W628. Western Australia.
235691. *CYMOPOGON REFRACTUS* (R. Br.) A. Camus.
 Q286. Queensland.
235692. *DICHANTHIUM FECUNDUM* S. T. Blake Poaceae.
 Q225. Queensland.
- 235693 to 235695. *DICHANTHIUM SUPERCILIATUM* (Hack.) A. Camus.
 235693. C850. Northern Territory.
 235694. C851. Northern Territory.
 235695. Q221. Queensland.
235696. *EULALIA FULVA* (R. Br.) Kuntze Poaceae.
 Q214. Queensland.
- 235697 and 235698. *EULALIA MACHINLAYI* (F. Muell.) Kuntze.
 235697. C942. Northern Territory.
 235698. C963. Northern Territory.
235699. *HETEROPOGON CONTORTUS* (L.) Beauv. Poaceae. Tanglehead.
 C855. Northern Territory.
235700. *HETEROPOGON TRITICEUS* (R. Br.) Stapf. Tanglehead.
 C854. Northern Territory.
- 235701 and 235702. *ISCHAEMUM ARUNDINACEUM* F. Muell. Poaceae.
 235701. W637. Western Australia.
 235702. W641. Western Australia.
235703. *ISCHAEMUM RUGOSUM* Salisb.
 C905. Northern Territory.
235704. *ISCHAEMUM AUSTRALE* var. *VILLOSUM* (R. Br.) Hack.
 Q263. Queensland.
- 235705 and 235706. *ISEILEMA FRAGILE* S. T. Blake Poaceae.
 235705. C873. Northern Australia.
 235706. Q233. Queensland.
- 235707 to 235709. *ISEILEMA MACRATHERA* Domin
 235707. Q229. Queensland.
 235708. Q232. Queensland.
 235709. Q248. Queensland.

235677 to 235733—Continued

235710. *OPHIURUS OXALTATUS* (L.) Kuntze Poaceae.
C922. Northern Territory.
- 235711 to 235713. *PSEUDOPOGONATHERUM IRRITANS* (R. Br.) A. Camus Poaceae.
235711. C842. Northern Territory.
235712. C920. Northern Territory.
235713. C953. Northern Territory.
235714. *PSEUDOPOGONATHERUM* sp.
C964. Northern Australia.
235715. *ROTTBOELLIA EXALTATA* L. f. Poaceae.
C959. Northern Australia.
- 235716 and 235717. *ROTTBOELLIA FORMOSA* R. Br.
235716. C844. Northern Territory.
235717. C899. Northern Territory.
235718. *SCHIZACHYRIUM OBLIQUIBERBE* (Hack.) A. Camus Poaceae.
C879. Northern Territory.
235719. *SCHIZACHYRIUM PACHYARTHRON* C. A. Gardn.
C961. Northern Territory.
235720. *SCHIZACHYRIUM* sp.
C909. Northern Territory.
- 235721 and 235722. *SEHIMA NERVOSUM* (Rottl.) Stapf Poaceae.
235721. C846. Northern Territory.
235722. C929. Northern Territory.
235723. *SORGHUM AUSTRALIENSE* Garber & Snyder
C845. Northern Territory.
235724. *SORGHUM BREVICALLOSUM* Garber
C898. Northern Territory.
235725. *SORGHUM INTRANS* F. Muell.
C960. Northern Territory.
- 235726 and 235727. *SORGHUM LAXIFLORUM* F. M. Bailey
235726. C876. Northern Territory.
235727. C946. Northern Territory.
235728. *SORGHUM NITIDUM* (Vahl) Pers.
Q262. Queensland.
- 235729 to 235731. *SORGHUM PLUMOSUM* (R. Br.) Beauv.
235729. C853. Northern Territory.
235730. C894. Northern Territory.
235731. Q194. Queensland.
235732. *SORGHUM STIPODEUM* (Ewart & J. White) Gard. & Hubb.
W620. Western Australia.
235733. *VETIVERIA FILIPES* (Benth.) C. E. Hubb.
Q269. Queensland.

235734. CITRUS SINENSIS(L.) Osbeck Rutaceae. Sweet orange.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas, Sao Paulo. Received Dec. 6, 1956.

'Pera Sweet'.

235735. VICIA GRANDIFLORA Scop. Fabaceae. Vetch.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Dec. 7, 1956.

C.P.I. 12282.

235736. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From India. Seeds presented by the American Embassy, New Delhi. Received Dec. 7, 1956.

'Sirsa No. 9'. Variety lasting longer than any other variety tested in India; most resistant to insect pests.

235737 to 235794.

From Japan. Plants collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 10, 1956.

235737 to 235748. Collected on Yaku and Tanega Islands. Nov. 16 to Dec. 10, 1956.

235737 to 235744. Woods along Miyanoura River, Yakushima.

235737. ASARUM sp. Aristolochiaceae.

Col. No. 625. Leaves large, cordate without variegation.

235738. ASARUM sp.

Col. No. 626. Leaves large, cordate, acutely pointed, dark green.

235739. ASARUM sp.

Col. No. 627. Leaves large, cordate, variegated.

235740. ASARUM sp.

Col. No. 628. Leaves medium, cordate, slight variegations, dark green.

235741. ASARUM sp.

Col. No. 629. Leaves large, basal lobes elongated, variegated.

235742. ASARUM sp.

Col. No. 630. Leaves very large, cordate, dark green.

235743. ASARUM sp.

Col. No. 632. Leaves large, cordate, more or less triangular, variegated.

235744. ASARUM sp.

Col. No. 633. Leaves dark green, faint variegations.

235745. ASPLENIUM sp. Polypodiaceae.

Col. No. 635. Along shady banks, Miyanoura River, Manno National Forest, Yakushima. Small evergreen fern; fronds narrow, lanceolate, bipinnate.

235746. CALANTHE sp. Orchidaceae.

Col. No. 591. Along rocky ravines, Isso River, Yakushima. Terrestrial; leaves large, elliptic.

235747. CHEIROPLEURIA BICUSPIS (Blume) Presl Polypodiaceae.

Col. No. 590. Dense shade, rocky glen, Isso River, Yakushima. Small evergreen fern; leaves sterile, broadly lanceolate, fertile ones narrow.

235737 to 235794—Continued

235748. CLEMATIS sp. Ranunculaceae.

Col. No. 598. Along sea-road, Tomaiko, Yakushima. Small vine; leaves have handsome silvery markings at center.

235749. DENDROBIUM NOBILE Lindl. Orchidaceae.

Col. No. 644. Along Miyanoura River, Manno National Forest, Yakushima. Stem fleshy, about 10 inches long; leaves lanceolate; flowers yellow or pink.

235750. EUGENIA JAMBOS (L.) Stokes Myrtaceae. **Rose-apple.**

Col. No. 592. Nagata River, Yakushima. Evergreen tree, leaves opposite; fruits black, edible.

235751. GOODYERA MAXIMOWICZIANA Makino Orchidaceae.

Col. No. 611. Isso River, Yakushima. Terrestrial orchid; leaves with broad pale stripe down center; flowers white, in short spike.

235752. GOODYERA SCHLECHTENDALIANA Reichb. f.

Col. No. 606. Isso River, Yakushima, Terrestrial orchid; leaves variegated; flowers white, in short spike.

235753. GOODYERA sp.

Col. No. 610. Isso River, Yakushima. Terrestrial orchid; leaves not marked; flowers white.

235754. HEMEROCALLIS MINOR Mill. Liliaceae. **Dwarf daylily.**

Col. No. 618. Growing in garden of small inn, Miyanoura, Yakushima. Dwarf; flowers orange-yellow; stalks short.

235755 and 235756. LIPARIS NERVOSA Lindl. Orchidaceae.

235755. Col. No. 617. Isso River, Shirakawa National Forest, Yakushima. Terrestrial orchid, leaves ovate; flowers greenish.

235756. Col. No. 636. Miyanoura River, Manno National Forest. Yakushima. Terrestrial orchid; flowers green.

235757. PSILLOTUM NUDUM (L.) Beauv. Psilotaceae.

Col. No. 641. On tree trunks, Miyanoura River, Yakushima. Wild.

235758. RHODODENDRON INDICUM (L.) Sweet. Ericaceae.

Col. No. 645. Upper reaches, Miyanoura River, Manno National Forest, Yakushima. Plants were in full bloom late Nov.

235759. SAGENIA sp. Polypodiaceae.

Col. No. 632. Miyanoura River, Manno National Forest, Yakushima. Evergreen fern; leaves linear, strap-like, long.

235760. SELAGINELLA UNCINATA (Desv.) Spring Selaginellaceae.

Col. No. 602. Isso River, Yakushima. Damp rocky ravines; branches flat, broad and wavy.

235761. TAXILLUS YADORIKI (Siebold.) Danser Loranthaceae.

Col. No. 609. Isso River, Yakushima. Shrubby evergreen or scandent plant; leaves and stems with brown tomentum; parasitic on *Elaeagnus*.

235762. (Undetermined.) Orchidaceae.

Col. No. 638. Miyanoura River, Manno National Forest, Yakushima. Epiphyte; leaves small, dark green; pseudobulbs small, ovoid.

235763. (Undetermined.) Orchidaceae.

Col. No. 643. Miyanoura River, Manno National Forest, Yakushima. Epiphyte, pseudobulbs ovate; leaves lanceolate; flowers greenish.

235737 to 235794—Continued

235764. (Undetermined.) Orchidaceae.

Col. No. 634. Miyanoura River, Manno National Forest, Yakushima. Small epiphyte; pseudobulbs ovoid; flowers yellow-brown.

235765. (Undetermined.) Orchidaceae.

Col. No. 616. Isso River, Shirakawa National Forest. Terrestrial; leaves large.

235766. (Undetermined.) Orchidaceae.

Col. No. 640. Miyanoura River, Manno National Forest, Yakushima. Epiphyte; stems long; bulbless; leaves lanceolate.

235767. (Undetermined.) Orchidaceae.

Col. No. 612. Rocky ravine above Isso River, northern Yakushima. Terrestrial; leaves broad, ovate, veins distinct; flowers yellow, attractive.

235768. *OPHIORRHIZA JAPONICA* Blume Rubiaceae.

Col. No. 631. Miyanoura River, Manno National Forest, Yakushima. Subshrub; leaves opposite, with stipules; flowers terminal, white, fragrant.

235769. (Undetermined.) Orchidaceae.

Col. No. 639. Miyanoura River, Manno National Forest, Yakushima. Bulbless epiphyte; leaves thick, heeled.

235770. (Undetermined.) Orchidaceae.

Col. No. 642. Miyanoura River, Manno National Forest, Yakushima. Epiphyte; leaves lanceolate; flowers in short spike, yellow.

235771. *AINSLIAEA* sp. Asteraceae.

Col. No. 613. On rocks in mid-stream, Isso River, Yakushima. Herb about 3 inches high; flowers in spike, pale pink, fragrant.

235772. *POLYPODIUM* sp. Polypodiaceae.

Col. No. 614. On rocks in mid-stream, Isso River, northern Yakushima. Small fern; frond narrow, lanceolate, rounded at apex.

235773. *ASARUM* sp. Aristolochiaceae.

Col. No. 677. Along mountain railroad, Kosugidani, Yakushima. Leaves large cordate, variegated; flowers purple.

235774. *ASARUM* sp.

Col. No. 710. Along stream between Ambo and Miyanoura, Yakushima. Leaves large, handsome, white variegations over entire leaf.

235775. *ASARUM* sp.

Col. No. 711. Stream between Ambo and Miyanoura, Yakushima. Small-leaved species with variegation restricted to white dots.

235776. *BUXUS MICROPHYLLA* var. *JAPONICA* (Muell.-Arg.) Rehd. & Wils. Buxaceae. Japanese box.

Col. No. 658. Sphagnum swamp, Hana-no-ego, Yakushima. Elevation 4,800 feet. Evergreen shrub.

235777. *CHLORANTHUS* sp. Chloranthaceae.

Col. No. 721. Isso River, Yakushima. Small evergreen shrub; leaves coarsely serrate; fruits bright yellow.

235778. *CHRYSANTHEMUM* sp. Asteraceae.

Col. No. 704. Roadside between Kurio and Onoaida, Yakushima. Leaves tomentose beneath; flowers white.

235737 to 235794—Continued

235779. *DENDROBIUM* sp. Orchidaceae.

Col. No. 683. Logging trail above Kurio, Yakushima. Epiphyte; leaves lanceolate.

235780. *DENDROBIUM* sp. Orchidaceae.

Col. No. 706. Rocks along stream, between Kurio and Onoaida. Epiphyte.

235781. *EURYA YAKUSHIMENSIS* Makino Theaceae.

Col. No. 654. At Hana-go-ego. Elevation 4,800 feet, sub-alpine zone. Small evergreen shrub; leaves ovate and crenate; flowers white; fruits black; hardy; not cultivated.

235782. *GESNERIA* sp. Gesneriaceae.

Col. No. 716. Banks of Isso River, Yakushima. Plant prostrate; leaves coarse, large, coarsely serrate.

235783. *GOODYERA* sp. Orchidaceae.

Col. No. 697. Between Kurio and Onoaida. Small terrestrial in moist shady area; distinct variegation along midrib of leaf.

235784. *GOODYERA VELUTINA* Maxim.

Col. No. 682. Logging trail above Kurio, Yakushima; Terrestrial; leaves, white marking along veins; flowers pink.

235785. *HYPERICUM YAKUSIMENSE* Koidz. Hypericaceae.

Col. No. 679. Sphagnum swamp, Hana-no-ego, Elevation 4,800 feet. Dwarf; rare.

235786. *JUNIPERUS CHINENSIS* var. *SARGENTII* Henry Pinaceae. **Juniper.**

Col. No. 656. Sphagnum swamp, Hana-no-ego, Yakushima. Elevation 4,800 feet. Plant dense, procumbent; leaves threadlike, dark green.

235787. *LYCOPodium SUBDISTICHUM* Makino Lycopodiaceae.

Col. No. 684. On tree trunks, in moist mountain forest, Kurio, Yakushima. Plant with long trailing stems; leaves narrowly pointed.

235788. *TRICHOMANES* sp. Hymenophyllaceae.

Col. No. 718. Isso River, Yakushima. Delicate fern; leaves pinnate.

235789. (Undetermined.) Orchidaceae.

Col. No. 678. Above Kosugi-dani, Yakushima. Elevation 4,200 feet. Plant small, terrestrial; leaves narrow, lanceolate.

235790. (Undetermined.) Orchidaceae.

Col. No. 703. Stream between Kurio and Onoaida, Yakushima. Small, prostrate epiphyte; leaves ovoid, forming a rosette.

235791. (Undetermined.) Orchidaceae.

Col. No. 709. Stream between Kurio and Onoaida, Yakushima. Small epiphyte; leaves thick, fleshy.

235792. (Undetermined.) Orchidaceae.

Col. No. 717. Banks of Isso River, Yakushima. Terrestrial; leaves forming a rosette; flowers purple, on short spike.

235793. (Undetermined.) Orchidaceae.

Col. No. 719. On trees along Isso River, Yakushima. Epiphyte; leaves thick, heeled, narrow lanceolate.

235794. (Undetermined.) Orchidaceae.

Col. No. 720. Isso River, Yakushima. In moist humus of conifer forest. Terrestrial; leaves broad, lanceolate, surface faintly variegated; flowers yellow-brown.

235795 to 235799.

From Thailand. Plants presented by the Bangkok-Noi Experiment Station, Bangkok. Received Dec. 12, 1956.

235795 and 235796. *PIPER NIGRUM* L. Piperaceae. **Black pepper.**

235795. 'Chanburi'.

235796. 'Dhonburi'.

235797. *RAUVOLFIA CAMBODIANA* Pierre Apocynaceae. **Devilpepper.**

235798. *RAUVOLFIA SERPENTINA* Benth. **Java devilpepper.**

235799. *RAUVOLFIA SUMATRANA* Jack **Devilpepper.**

235800 to 235809.

From Italy. Seeds presented by the Universita di Napoli, Naples. Received Dec. 13, 1956.

235800. *IPOMOEA ANGULATA* Mart. Convolvulaceae. **Morning-glory.**

235801. *IPOMOEA HEDERACEA* Jacq. **Ivyleaf morning-glory.**
'Adba'.

235802. *IPOMOEA INSIGNIS* Ker. **Morning-glory.**

235803. *IPOMOEA LEUCANTHA* Jacq. **Morning-glory.**

235804. *IPOMOEA MEXICANA* A. Gray **Morning-glory**

235805. *IPOMOEA PALMATA* Forsk. **Morning-glory.**

235806. *IPOMOEA PURPUREA* (L.) Roth. **Common morning-glory.**

235807. *IPOMOEA RUBRO-CAERULEA* Nook. **Morning-glory.**
'Praecox'.

235808. *IPOMOEA* sp.
'Slatori'.

235809. *IPOMOEA* sp.
'Volubilis-Cornell'.

235810 to 235812. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.
Chilce strawberry.

From Chile. Plants collected by George M. Darrow, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 13, 1956.

Collected on ocean bluff 10 miles from Concepcion.

234810. Col. No. 5.

235811. Col. No. 6.

235812. Col. No. 7. Staminate clone.

235813 to 235817. *RHODODENDRON OBTUSUM* f. *JAPONICUM* Wils.
Ericaceae. **Kurume azalea.**

From Japan. Plants collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 13, 1956.

Obtained from the Mayor, Kurume, Kyushu.

235813. 'Imashojo'. **235816.** 'Miyagino'.

235814. 'Kure No Zuki'. **235817.** 'Tokonatsu'.

235815. 'Makakaede'.

235818 to 235877.

From Sweden. Seeds presented by the Swedish Seed Association, Uppsala.
Received Dec. 14, 1956.

235818 to 235834. *MEDICAGO* (hybrids). Fabaceae.

Medic.

(*Medicago falcata* × *sativa*).

235818 to 235824. From Gotland.

235818. No. 1.

235822. No. 5.

235819. No. 2.

235823. No. 6.

235820. No. 3.

235824. No. 7.

235821. No. 4.

235825 to 235833. From Oland.

235825. No. 1.

235830. No. 6.

235826. No. 2.

235831. No. 7.

235827. No. 3.

235832. No. 8.

235828. No. 4.

235833. No. 9.

235829. No. 5.

235834. No. 1. From Skane.

235835. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urban

Alfalfa.

'Ultuna'.

235836 to 235877. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

235836. 'Angen'.

235857. 'Nyby'.

235837. 'Arsta'.

235858. 'Offer'.

235838. 'Arsunda'.

235859. 'Orbyhus'.

235839. 'Bjornsnas'.

235860. 'Ormesta'.

235840. 'Branninge'.

235861. 'Ramsas'.

235841. 'Bredanger'.

235962. 'Rinkaby'.

234842. 'Brukte'.

235863. 'Saversta'.

235843. 'Frugarden'.

235864. 'Sidensjo'.

235844. 'Goksholm'.

235865. 'Sjosa'.

235845. 'Haknas'.

235866. 'Skultuna'.

235846. 'Hassle Saby'.

235867. 'Sorby Okna'.

235847. 'Heby'.

235868. 'Spannarp'.

235848. 'Hjelmarsnas'.

235869. 'Stenhammar'.

235849. 'Hogfors'.

235870. 'Svanvik'.

235850. 'Kathrinedal'.

235871. 'Taxnas'.

235851. 'Kilafors'.

235872. 'Tuna'.

235852. 'Kustrask'.

235873. 'Ultuna'.

235853. 'N. Edsberg'.

235874. 'Vagge'.

235854. 'Labberud'.

235875. 'Vallen'.

235855. 'Nasfors'.

235876. 'Vikaryd'.

235856. 'Norrhallby'.

235877. 'Wambasa'.

235878 to 235881. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. Chiloe strawberry.

From Chile. Plants collected by George M. Darrow, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 17, 1956.

235878. Col. No. 3. River bank in mountains. (Plants.)

235879. Col. No. 4. Eight km. from Termas, in Andes. (Plants.)

235880. Col. No. 1. Market at Chillan; grown at Cobquecura, north of Concepcion. (Seeds.)

235881. Col. No. 2. River bank near Termas. (Seeds.)

235882. DOVYALIS ABYSSINICA (A. Rich.) Warb. Flacourtiaceae.

From the United States. Plants growing at the United States Plant Introduction Station, Coconut Grove, Florida. Numbered Dec. 17, 1956.

Large-fruited hybrid of unknown origin.

235883 to 235990.

From Japan. Collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 18, 1956.

235883 to 235890. SACCHARUM SPONTANEUM L. Poaceae. Sugarcane.

Cuttings from the Kyushu Agricultural Experiment Station, Anno, Tanegashima. Original sources indicated.

235883. Col. No. 755. Karenko, Taiwan.

235884. Col. No. 756. Timor Island.

235885. Col. No. 757. Philippine Islands.

235886. Col. No. 758. Ponape Island.

235887. Col. No. 759. Ponape Island.

235888. Col. No. 760. Truk Island.

235889. Col. No. 761. Ponape Island.

235890. Col. No. 762. Okinawa.

235891 to 235953. CHRYSANTHEMUM (hybrids). Asteraceae.

Plants from Seikoen Nursery, Kanemaru, Hiroshima-ken.

235891. 'Asinanosugata'. Flowers large, tubular, pink.

235892. 'Asinanoyuki'. Flowers large, tubular, white.

235893. 'Benitaiyo'. Flowers slender, tubular, pink.

235894. 'Hakutiyonomai'.

235895. 'Himekomati'. Flowers slender, tubular, purple.

235896. 'Hosizukiya'. Flowers slender, tubular, purple.

235897. 'Kiyoukomati'. Flowers slender, tubular, red.

235898. 'Kotiyonomai'. Flowers slender, tubular, yellow.

235899. 'Maitidori'. Flowers slender, tubular, purple.

235900. 'Maizikanokoe'. Flowers slender, tubular, red.

235901. 'Okinanotome'. Flowers slender, tubular, white.

235902. 'Okitunami'. Flowers large, tubular, pink.

235903. 'Ougnnohikare'. Flowers slender, tubular, yellow.

235904. 'Sakuramurasame'. Flowers slender, tubular, pink.

235905. 'Seikobizan'. Flowers slender, tubular, red.

235883 to 235990—Continued

235906. 'Seikokinsei'. Flowers large, tubular, yellow and red.
235907. 'Seikonosugata'. Flowers large, tubular, white.
235908. 'Seikonouma'. Flowers slender, tubular, pink.
235909. 'Seigiyokunohikare'. Flowers large, tubular purple.
235910. 'Taihobizan'. Flowers slender, tubular, pink.
235911. 'Taihoemaki'. Flowers slender, tubular, pink.
235912. 'Tatutagaya'. Flowers slender, tubular, red.
235913. 'Tiyonoyuki'. Flowers slender, tubular, white.
235914. 'Toriyumom'. Flowers large incurved, pink.
235915. 'Totenko'. Flowers slender, tubular, red.
235916. 'Uguisunokoe'. Flowers slender, tubular, yellow.
235917. 'Urakiyokunoaki'. Flowers slender, tubular, pink.
235918. 'Utatane'. Flowers slender, tubular, red.
235919. 'Utiyudan'. Flowers large, incurved, red.
235920. 'Yozakura. Flowers large, incurved, purple.
235921. Col. No. 125. Flowers slender, tubular, white.
235922. Col. No. 161. Flowers slender, tubular, yellow.
235923. Col. No. 173. Flowers large, incurved, purple.
235924. Col. No. 1007. Flowers slender, tubular, pink.
235925. Col. No. 1028. Flowers slender, tubular, yellow.
235926. Col. No. 1042. Flowers slender, tubular, pink.
235927. Col. No. 1125. Flowers large, tubular, pink.
235928. Col. No. 1150. Flowers large, tubular, white.
235929. Col. No. 1363. Flowers large, tubular, yellow.
235930. Col. No. 1154. Flowers slender, tubular, white.
235931. Col. No. 1158. Flowers slender, tubular, red.
235932. Col. No. 1159. Flowers slender, tubular, white.
235933. Col. No. 1186. Flowers slender, tubular, bronze.
235934. Col. No. 1189. Flowers large, tubular, yellow.
235935. Col. No. 1194. Flowers large, tubular, pink.
235936. Col. No. 1208. Flowers slender, tubular, red.
235937. Col. No. 1209. Flowers slender, tubular, bronzr.
235938. Col. No. 1218. Flowers large, incurved, purple.
235939. Col. No. 1220. Flowers slender, tubular, red.
235940. Col. No. 1270. Flowers large, incurved, white.
235941. Col. No. 1306. Flowers large, tubular, yellow.
235942. Col. No. 1309. Flowers large, tubular, purple.
235943. Col. No. 1312. Flowers large, ball, pink.
235944. Col. No. 1318. Flowers large, tubular, yellow.
235945. Col. No. 1323. Flowers large, ball, yellow.
234946. Co. No. 1325. Flowers large, single, yellow.
235947. Col. No. 1334. Flowers slender, tubular, white.

235883 to 235990—Continued

235948. Col. No. 1338. Flowers large, tubular, yellow.

235949. Col. No. 1341. Flowers large, tubular, yellow.

235950. Col. No. 1343. Flowers large, ball, white.

235951. Col. No. 1344. Flowers large, ball, yellow.

235952. Col. No. 1346. Flowers large, ball, white.

235953. Col. No. 1352. Flowers large, ball, white.

Plants collected on Yaku, Tanega Islands, and from southern Kyushu. Nov. 16 to Dec. 10, 1956.

235954. *AERIDES JAPONICUM* Rehb. f. Orchidaceae.

Col. No. 745. Furuta National Forest, Tanegashima. Plant small, epiphyte; flowers whitish.

235955. *DIPLAZIOPSIS CAVALERIANA* (H. Chr.) C. Chr. Polypodiaceae.

Col. No. 712. Along stream, between Ambo and Miyanoura, Yakushima. Large evergreen fern; fronds thick, leathery.

235956. *ARISAEMA* sp. Araceae.

Col. No. 666. Above Kosugidani, Yakushima. Elevation 3,600 feet.

235957. *CALANTHE AUSTRO-KIUSIUENSIS* Owhi. Orchidaceae.

Col. No. 754. Along stream, Furuta National Forest, Tanegashima. Terrestrial; leaves large, ovate; flowers white to pink.

235958. *CALANTHE* sp.

Col. No. 767. Onigasawa Forest, Tanegashima. Large terrestrial; flowers white or pink.

235959. *CALANTHE DISCOLOR* Lindl.

Col. No. 771. Hirakiki Mountain, Satsuma Prefecture. Elevation 1,200 feet. Terrestrial; leaves large; veins prominent.

235960. *CALANTHE* sp.

Col. No. 775. Hirakiki-yama, Satsuma Prefecture. Terrestrial; leaves semiprostrate, dark green, leathery.

235961. *CELASTRUS ORBICULATUS* var. *PUNCTATUS* (Thunb.) Rehd. Celastraceae.

Col. No. 737. Sand dunes, Nishi-no-omote, Tanegashima. Deciduous climber; stems angular; leaves ovate, serrate; fruits red.

235962. *CHEIROSTYLIS* sp. Orchidaceae.

Col. No. 736. Tachimoto National Forest, Tanegashima. Small epiphyte.

235963. *CIRRHOPELALUM MAKINOANUM* Schltr. Orchidaceae.

Col. No. 769. Onigasawa National Forest, Tanegashima. Epiphyte; leaves fleshy; flowers purple.

235964. *CLEMATIS CRASSIFOLIA* King & Pantl. Ranunculaceae.

Col. No. 753. Sunny road on *Cryptomeria*, Furuta National Forest, Tanegashima. Evergreen vine; leaves ovate, fleshy; flowers in dense clusters, white, marked purple.

235965. *CYMBIDIUM NAGIFOLIUM* Masamune. Orchidaceae.

Col. No. 751. Furuta National Forest, Tanegashima. Terrestrial; leaves fleshy; flowers greenish-white.

235966. *CYMBIDIUM SIMONSIANUM* King & Pantl.

Col. No. 743. Along stream, Furuta National Forest, Tanegashima. Epiphyte; leaves long, grasslike; flowers yellow.

235883 to 235990—Continued

235967. *CYMBIDIUM VIRESCENS* Lindl.

Col. No. 776. Hirakiki Yama, Satsuma Prefecture. Terrestrial; leaves narrow.

235968. *EURYA EMARGINATA* var. *MICROPHYLLA* Makino Theaceae.

Col. No. 787. Harada Garden, Kurume. Leaves round, tiny; rare form.

235969. *GOODYERA MAXIMOWICZIANA* Makino Orchidaceae.

Col. No. 774. Hirakiki National Forest, Satsuma Prefecture. Terrestrial; flowers pink; pink stripe down leaf midrib.

235970. *LINDSAYA* sp. Polypodiaceae.

Col. No. 649. Mountains above Kosugedani, Yakushima. Elevation 3,000 feet. Small evergreen fern.

235971. *LUISIA TERES* Blume Orchidaceae.

Col. No. 585. Sea road between Nagata and Yoshida, Yakushima. Epiphyte; leaves terete; flowers small, yellow.

235972. *PHAJUS MACULATUS* var. *MINOR* Franch. & Sav. Orchidaceae.

Col. No. 773. Hirokiki Mountain, Satsuma Prefecture. Characterized by yellow spots on leaves; terrestrial.

235973. *OSMANTHUS* sp. Oleaceae.

Col. No. 786. Horticultural Field Station, Kurume. Variegated form.

235974. *PHAJUS MACULATUS* Lindl. Orchidaceae.

Col. No. 750. Furuta National Forest, Tanegashima. Terrestrial; leaves marked with yellow spots; flowers 2 to 3 inches high, yellow.

235975. *PSILOTUM NUDUM* (L.) Beauv. Psilotaceae.

Col. No. 764. Furuta National Forest, Tanegashima. Typical wild form.

235976 to 235984. Kyushu Agricultural Experiment Station, Kurume.

235976. *RHODODENDRON KIUSIANUM* Makino Ericaceae.

Col. No. 785. White form.

235977. *RHODODENDRON* sp.

Col. No. 777. 'Tanima-no-yuki'. Hirado strain; flowers white.

235978. *RHODODENDRON* sp.

Col. No. 778. 'Eiko'. Hirado strain; flowers reddish purple.

235979. *RHODODENDRON* sp.

Col. No. 779. 'Hei-wa-no-hikari'. Hirado strain; flowers salmon colored.

235980. *RHODODENDRON* sp.

Col. No. 780. 'Ruriko'. Hirado strain; flowers large, purple.

235981. *RHODODENDRON* sp.

Col. No. 781. 'Myoken'. Hirado strain; flowers pink, medium size.

235982. *RHODODENDRON* sp.

Col. No. 782. 'Momoyama'. Hirado strain; flowers pink, large.

235983. *RHODODENDRON* sp.

Col. No. 783. 'Tensho'. Hirado strain; flowers pink, large.

235984. *RHODODENDRON PULCHRUM* Sweet

Col. No. 784. 'Miyonosakae'. ('Akashi' hybrid). Flowers pink with white center.

235883 to 235990—Continued

235985. *SYMPLOCOS LUCIDA* Sieb. & Zucc. Symplocaceae. **Sweetleaf.**

Col. No. 747. Along sunny road, Furuta National Forest, Tanegashima. Evergreen shrub to 8 feet high; leaves alternate, ovate, slightly crenate; fruits black.

235986. *TROPIDIA NIPPONICA* Masamune Orchidaceae.

Col. No. 744. Damp humus along river, Furuta National Forest, Tanegashima. Small terrestrial; leaves ovate; veins prominent.

235987. *PHAJUS* sp. Orchidaceae.

Col. No. 727. Along shady bank of river near Koseda, Yakushima. Large terrestrial; flowers pink.

235988. *TRICHOMANES* sp. Hymenophyllaceae.

Col. No. 731. Along stream, Tachimoto National Forest, Tanegashima. Climbing, handsome, evergreen fern; fronds laceolate, deeply cut, transparent.

235989. *OBERONIA* sp. Orchidaceae.

Col. No. 732. Stream bed, Tachimoto National Forest, Tanegashima. Small, epiphyte; dichotomous branching.

235990. *ORCHIS* sp. Orchidaceae.

Col. No. 768. Onigasawa Forest, Tanegashima. Terrestrial; leaves large; flowers white, 50 or more on a stalk.

235991. *CITRUS ASSAMENSIS* Dutta & Bhatt. Rutaceae.

From India. Seeds presented by the District Agricultural Officer, Shillong, Assam, through the Agricultural Attache, New Delhi.

Received Dec. 19, 1956.

235992. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.

Chiloe strawberry.

From Bolivia. Seeds presented by the Universidad Mayor de San Simon, Cochabamba. Received Dec. 20, 1956.

Market, Cochabamba.

235993 and 235994.

From Czechoslovakia. Seeds presented by Elena Domanyova, Cemerne, Vranov, Slovensko. Received Dec. 21, 1956.

235993. *JUGLANS REGIA* L. Juglandaceae.

Persian walnut.

235994. *PRUNUS ARMENIACA* L. Amygdalaceae.

Apricot.

235995 to 236012.

From Chile. Plant material collected by George M. Darrow, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 21, 1956.

Collected Dec. 10 to 13, 1956.

235995 to 236008. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.

Chiloe strawberry.

235995. Col. No. 11. 'Common White'. Santa Celia, Trovolhue. Imperial River area. Cultivated. (Plants.)

235996. Col. No. 12. 'Morena White'. Santa Celia, Trovolhue. Imperial River area. Fruits white; more flavor than common type. (Plants.)

235997. Col. No. 13. 'Pink Chilean'. Santa Celia, Trovolhue. Imperial River area. Fruits pink. (Plants.)

235998. Col. No. 14. Four km. below hotel, Llama. Fruits large. (Plants.)

235995 to 236012—Continued

- 235999.** Col. No. 15. Four km. below hotel, Llaima. (Plants.)
- 236000.** Col. No. 16. Four km. below hotel, Llaima. (Plants.)
- 236001.** Col. No. 18. Hotel, Llaima. Elevation 1,200 meters. (Plants.)
- 236002.** Col. No. 20. Near hotel, Llaima. Elevation 1,100 meters. (Plants.)
- 236003.** Col. No. 21. Nine km. beyond Cherquenco. Elevation 903.3 meters.
- 236004.** Col. No. 22. Along road to hotel, Llaima. Elevation 903.3 meters.
- 236005.** Col. No. 23. In orchard, Cunco. (Plants.)
- 236006.** Col. No. 24. Cunco. Found in wild; similar to cultivated type. (Plants.)
- 236007.** Col. No. 9. Recreation park, city of Temuco. Plants of the 'Chilean' type.
- 236008.** Col. No. 10. Recreation park, city of Temuco. Plants of the 'Chilean' type.
- 236009.** *RUBUS GEOIDES* J. E. Sm. Rosaceae. **Frutilla.**
Col. No. 19. Hotel, Llaima. Trailing type; fruits used fresh and for preserves.
- 236010 to 236012.** *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae. **Chiloe strawberry.**
- 236010.** Col. No. 9. Recreation park, Temuco. (Seeds.)
- 236011.** Col. No. 12. Santa Celia, Trovolhue, Imperial River area. (Seeds.)
- 236012.** Col. No. 13. Santa Celia, Trovolhue, Imperial River area. (Seeds.)

236013 to 236024.

From Japan. Plant material collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 26, 1956.

- 236013 to 236015.** *ARALIA CORDATA* Thunb. Araliaceae. **Udo.**
Roots collected in Aichi Prefecture, Ministry of Agriculture, Special Products Section, Tokyo. Dec. 20, 1956.
- 236013.** Col. No. 793. Buds purple.
- 236014.** Col. No. 794. 'Aichi bozu'.
- 236015.** Col. No. 795. 'Kan'. Winter type.
- 236016.** *CORNUS KOUSA* Hance Cornaceae. **Japanese dogwood.**
Col. No. 792. Open field near Aokigahara Forest, Fuji Yama. Dec. 17, 1956. Wild; flowers red. (Roots.)
Plants from the garden of Dr. H. Takeda, Tokyo.
- 236017.** *BOEHMERIA BILOBA* Wedd. Urticaceae.
- 236018.** *SAXIFRAGA FORTUNEI* (Maxim.) Hook. f. Saxifragaceae.
- 236019.** *TRICYRTIS FORMOSANA* Baker Melanthiaceae.
From the Nakada Nursery, Angyo.
- 236020 and 236021.** *ILEX CRENATA* Thunb. Aquifoliaceae. **Japanese holly.**
- 236020.** 'Shiro-fukurin'. Variegated form.
- 236021.** 'Kiuro-fukurin'. Variegated form.

236013 to 236024—Continued**236022.** *Ilex serrata* Thunb.**Finetooth holly.**

Fruit white.

236023. *Ilex serrata* var. *sieboldii* Loes**Holly.****236024.** *Ilex sugeroki* var. *longipedunculata* (Koidz.) Makino**Holly.****236025.** *Allium cepa* L. **Liliaceae.****Onion.**

From Egypt. Seeds presented by the Ministry of Agriculture, Plant Breeding Section, Giza. Received Dec. 26, 1956.

No. 6.

236026. *Triticum aestivum* L. **Poaceae.****Common wheat.**

From Italy. Seeds presented by the Stazione Sperimentale di Granicoltura, Catania, Sicily.

'Maiorca'.

236027. *Gossypium* (hybrid). **Malvaceae.****Cotton.**

From Germany. Seeds presented by C. A. Leuze, Owens Teck, Deutschland. Received Dec. 26, 1956.

'Pervyi'. (Russian cotton.)

236028 to 236082.

From Japan. Plant material collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 18, 1956.

236028 to 236079. *Chrysanthemum* (hybrids). **Asteraceae.**

Cuttings from the Shinjuku Imperial Garden, Ministry of Public Health and Welfare, Tokyo.

236028. 'Bijo-no-obi'.**236034.** 'Misogi'.**236029.** 'Hakusa'.**236035.** 'Namari'.**236030.** 'Hikari'.**236036.** 'Tomari'.**236031.** 'Ishibumi'.**236037.** 'Toyamanoyuki'.**236032.** 'Kinkocho'.**236038.** 'Yahikoyama'.**236033.** 'Kizashi'.**236039.** 'Yukin'.

Plants obtained from Shuho Nursery, Kanemaru, Ashina, Hiroshima, Japan.

236040. 'Beni-Taiyo'. Flowers pink.**236041.** 'Einno-Izumi'. Flowers white.**236042.** 'Hagino-Siratum'. Flowers white.**236043.** 'Hagoromo'. Flowers white.**236044.** 'Hakuon'. Flowers white.**236045.** 'Hanagasumi'. Flowers pink.**236046.** 'How-o'. Flowers pink.**236047.** 'Jinton'. Flowers pink.**236048.** 'Jugoya-Zyugoya'. Flowers white.**236049.** 'Kaorn-Kikusui'. Flowers white.**236050.** 'Kashino-Neiro'. Flowers yellow.**236051.** 'Kisetu'. Flowers white.**236052.** 'Kinkazan'. Flowers yellow.**236053.** 'Kinzanno-Nagare'. Flowers yellow.

236028 to 236082—Continued

- 236054. 'Kiunno-Kagazaki'. Flowers yellow.
- 236055. 'Konagare'. Flowers white.
- 236056. 'Konkokouno-Sadamari'. Flowers pink.
- 236057. 'Maiogi'. Flowers pink.
- 236058. 'Mangetuno-Sirabe'. Flowers yellow.
- 236059. 'Meikyo'. Flowers white.
- 236060. 'Momizino-Sato'. Flowers bronze.
- 236061. 'Nanenno-Kimami'. Flowers pink.
- 236062. 'Renkano-Tomo'. Flowers yellow.
- 236063. 'Seigun'. Flowers yellow.
- 236064. 'Seikino-Yume'. Flowers pink.
- 236065. 'Shuho-no-Akatuki'. Flowers pink.
- 236066. 'Shuhouno-Bi'. Flowers pink.
- 236067. 'Sihon'. Flowers yellow.
- 236068. 'Sinnhonno-Hikari'. Flowers yellow.
- 236069. 'Sinhonno-Bigyoku'. Flowers pink.
- 236070. 'Sinrokuno-Aki'. Flowers yellow.
- 236071. 'Sinrokuno-Sugata'. Flowers pink.
- 236072. 'Sinrokuno-Tuga'. Flowers pink.
- 236073. 'Siraho'. Flowers white.
- 236074. 'Siratakasuno-homare'. Flowers white.
- 236075. 'Soburen'. Flowers pink.
- 236076. 'Takino-Momizi'. Flowers bronze.
- 236077. 'Tengokuno-Sirabe'.
- 236078. 'Toyamano Kuma'. Flowers white.
- 236079. 'Zuisei'. Flowers yellow.

Seeds.

236080. CITRUS PONKI Hayata Rutaceae.

Col. No. 725. Orchards at Kurio and Onoaida, Yakushima. Nov. 11, 1956. Large, loose skin mandarin; very sweet; good texture.

236081. CITRUS TACHIBANA (Makino) Tanaka

Col. No. 770. Rocky bank of stream, Onigasawa Forest, Tanegashima. Dec. 5, 1956. Fruits about the size of plum; skin loose.

236082. CITRUS sp.

Col. No. 648. Citrus orchard, Nagata. Nov. 22, 1956. Fruits small; skin loose; used as stock for *Citrus ponki*.

236083. VIBURNUM TRILOBUM Marsh. Caprifoliaceae.

From the United States. Seeds held at the Regional Plant Introduction Garden, Geneva, New York. Numbered Dec. 27, 1956.

Collected Oct. 1, 1956, roadside, Acton, Me., by E. M. Meader. Plant to 12 feet high; unusually good cluster of red fruits; used for making jelly.

236084. MEDICAGO TRIBULOIDES Desr. Fabaceae. Barrel medic.

From Australia. Seeds presented by F. H. Brunning Pty. Ltd., South Melbourne, Victoria. Received Dec. 27, 1956.

'Barrel'.

236085. COFFEA CANEPHORA Pierre ex Froehn. Rubiaceae. Coffee.

From Madagascar. Seeds presented by the Station Principale du Cafe, Ivoloia, Tamatave. Received Dec. 28, 1956.

No. 1602.

236086 to 236089. COFFEA ARABICA L. Rubiaceae. Arabian Coffee.

From Ethiopia. Seeds obtained through the American Embassy, Addis Ababa. Received Dec. 28, 1956.

236086. BE-1.

236088. BE-3.

236087. BE-2.

236089. BE-4.

236090 to 236114.

From Chile. Collected by George M. Darrow, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec., 1956. Collected Dec., 1956.

Seeds unless otherwise noted.

236090 to 216101. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae.

Chiloe strawberry.

236090. Col. No. 27. Dry soil 13 km. from Castro, Chiloe. (Plants.)

236091. Col. Nol 28. Dry soil 13 km. from Castro, Chiloe. Elevation 106 meters. (Plants.)

236092. Col. No. 29. Near Pid Pid, about 11 km. from Castro, Chiloe. (Plants.)

236093. Col. No. 32. Beach near Rio Pudeto, road to Huicha Ancud, Chiloe. (Plant.)

236094. Col. No. 33. Beach near Rio Pudeto, road to Huicha. (Plants.)

236095. Col. No. 34. Road to Huicha, 7 km. from Ancud. (Plants.)

236096. Col. No. 35. Road to Huicha, 7 km. from Ancud near Rio Pudito. (Plants.)

236097. Col. No. 36. Road to Huicha, 7 km. from Ancud. (Plants.)

236098. Col. No. 37. Road to Huicha, 7 km. from Ancud. Large berries. (Plants.)

236099. Col. No. 39. Road to Huicha, 7 km. from Ancud. (Plants.)

236100. Col. No. 40. Road to Huicha, 7 km. from Ancud. (Plants.)

236101. Col. No. 40. Road to Huicha, 7 km. from Ancud. Plant very productive; berries large. (Plants.)

236102. RUBUS GEOIDES J. E. Sm. Rosaceae.

Frutilla.

Col. No. 30. Near Piruguina and Castro. (Plants.)

236103 to 236114. FRAGARIA CHILOENSIS (L.) Duchense Rosaceae.

Chiloe strawberry.

236103. Col. No. 8. Ocean bluff, Rocoto, Rio Bio Bio, 18.5 km. from Concepcion.

236104. Col. No. 26. Puren.

236105. Col. No. 31. Beach near Ancud, Chiloe. Fruit has good flavor, firm.

236106. Col. No. 33. Beach near Rio Pudito, road to Huicha.

236090 to 236114—Continued

236107 to 236112. Seven km. from Ancud, Rio Pudito, road to Huicha.

236107. Col. No. 35.

236110. Col. No. 38.

236108. Col. No. 36.

236111. Col. No. 39.

236109. Col. No. 37.

236112. Col. No. 41.

236113. Col. No. 42. Santiago. 'Red Chilean'.

236114. Col. No. 32. Near Rio Pudito, road to Huicha, Ancud, Chiloe.

236115 to 236140.

From Japan. Plants collected by J. L. Creech, Agricultural Explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 31, 1956.

236115 to 236124. Plants purchased from Yamato Noyen Nursery, Yamamoto, Hyogo-ken.

236115. *ANGRAECUM* sp. Orchidaceae.
'Seito Fukurin'.

236116. *ANGRAECUM* sp.
'Suruga Fukurin'.

236117. *ANGRAECUM* sp.
'Toto Fukurin'.

236118 to 236124. *ROHDEA JAPONICA* (Thunb.) Roth. Liliaceae.

236118. 'Gunyo'.

236122. 'Nimen Korio Fukurin'.

236119. 'Kinshorin'.

236123. 'Ryukosei'.

236120. 'Kokonrin'.

236124. 'Shima Kouryu'.

236121. 'Kotobuki'.

236125 to 236128. *CHRYSANTHEMUM* (hybrids). Asteraceae.

From Hirakata Municipal Garden, Hirakata City.

236125. 'Kari No Tsuki'. Flowers white.

236126. 'Kokyo No Aki'. Flowers yellow.

236127. 'Miyama Nishiki'. Flowers orange.

236128. 'Taiho No Haha'. Flowers red.

236129. *ASTER* sp. Asteraceae.

'Asagrayi'. K. Suzuki Nursery, Tomiuko-machi, Kanagawa, Yokohama. Small perennial; flowers purple; rock garden species; native to Amamioshima.

236130 to 236140. *PSILOTUM NUDUM* (L.) Beauv. Psilotaceae.

236130 to 236135. From Dr. T. Rokujo, Toshima-ku, Tokyo.

236130. 'Howo-yanagi'.

236133. 'Orizuru'.

236131. 'Kinkaku'.

236134. 'Sankonishiki'.

236132. 'Kin-tsukumo'.

236135. 'Sui-shoraku'.

236136 to 236140. From Tai-haku Nursery, Asaki-machi, Gose, Nara Prefecture.

236136. No. 1.

236139. No. 4.

236137. No. 2.

236140. No. 5.

236138. No. 3.

236141 and 236142. COFFEA ARABICA L. Rubiaceae.**Arabian coffee.**

From Laos. Seeds presented by the United States Operations Mission, Vientiane. Received Dec. 31, 1956.

236141. 'Goto No. 1'.

236142. 'Goto No. 2'.

INDEX OF COMMON AND SCIENTIFIC NAMES¹

- Abies cephalonica*, 233293.
concolor, 231981, 231982.
delavayi, 231983.
fabri, 231984, 232677.
faxoniana, 231985, 232678.
forrestii, 231986.
georgei, 231987, 232679.
kawakamii, 231988.
pindrow, 231989, 231990, 232680.
spectabilis, 231991, 232681.
squamata, 231992.
sutchuenensis, 231993, 232682.
venusta, 232683.
vilmorini, 232684.
sp., 231837.
- Acacia cardiophylla*, 234082.
nilotica, 231865.
penninervis, 234083.
vestita, 234084.
- Acer cappadocicum*, 232685.
caudatum var. *ukurunduense*,
 231994.
davidii, 232686.
lobelii, 231995.
micranthum, 232687.
negundo, 232688.
rubrum, 232776.
- Acokanthera longiflora*, 234395.
Aconitum bakeri, 232526.
Actinodaphne lancifolia, 235495.
Actinostrobilus pyramidalis, 234085
Adhatoda duvernoia, 233581.
Aeglopsis chevalieri, 231238, 231239.
Aerides japonicum, 235954.
Aesculus hippocastanum, 232777.
turbinata, 230965.
- Agropyron caninum*, 235086, 235438.
cristatum, 234459, 235240.
dasystachyum, 232115, 232116.
elongatum, 234708.
latiglume, 232117.
riparium, 232118.
smithii, 232119–232122.
spicatum, 232123–232140.
subsecundum, 231706–231709,
 232141–232151, 232186.
trachycaulum, 232152–232185.
sp., 231710, 231711, 232187.
- Agrostis alba*, 235439.
palustris, 235440, 235541.
scabra, 234681.
tenuis, 234685, 235217.
- Ainsliaea* sp., 235771.
Albizzia julibrissin, 232007.
- Alfalfa*. See *Medicago sativa*.
 yellow-flowered. See *M. falcata*.
Allium ampeloprasum, 232012, 232013,
 233026.
angulosum, 235146.
artemisiiflorum, 232014.
aschersonianum, 232015.
asclepiadeum, 232016.
carinatum, 235147.
cepa, 232068, 232069, 233186–
 233190, 234595, 235353, 236025.
chloranthum, 232017–232019.
coppoleri, 232020.
curtum, 232021, 232022.
descendens, 232023.
erdellii, 232024.
galanthum, 235148.
glaciale, 235347.
hirsutum, 232025, 232026.
modestum, 232027.
neapolitanum, 232028.
nigrum, 233152.
nuttallii, 232527.
orientale, 232029.
roseum, 233027.
rothii, 232030.
rotundum, 233934, 235149, 235348.
schubertii, 232031.
scorodoprasum, 235150.
stamineum, 233935.
tel-avivense, 232032.
tolmiei, 235349.
sp., 232033, 233028, 233029, 233030,
 233031, 233032, 233033, 233034,
 233035, 233036, 233037, 233038,
 233039, 233040, 233041, 233042,
 233043, 233044, 233153, 233154,
 233155, 235145, 235151, 235152,
 235153, 235154, 235155.
- Alopecurus aequalis*, 232188–232191.
alpinus, 232192.
pratensis, 235441, 235542.
sp., 235442, 235443.
- Alphitonia excelsa*, 234086.
Alphonsea lutea, 230878.
Alpinia chinensis, 235496.
Alsophila hancockii, 235304.
Alstonia constricta, 235286.
Altingia chinensis, 233573.
Alyxia sinensis, 233574.
Amaranthus spinosus, 235613.
Amelanchier alnifolia, 232528–232530.
sp., 232531.
Amherstia nobilis, 234342.

¹ Spp.* indicates species with no distinct common names but share same common name as the genus

- Amoora rohituka*, 230879.
Amphicarpa edgeworthii var. *japonica*, 231459.
Anagyris foetida, 234283.
Ananas comosus, 235290.
Andropogon dummeri, 234841.
Angiopteris suboppositifolia, 235305.
Angraecum sp., 236115, 236116, 236117.
Anguloa clowsei, 234635.
Anisomeles salviaefolia, 230880.
Anthoxanthum odoratum, 235277.
Anthyllis vulneraria, 231232, 234950.
Apium graveolens, 234596-234598.
 Apple. See *Malus* spp.*
 common. See *M. sylvestris*.
 Apricot. See *Prunus armeniaca*.
Aquilegia formosa, 232532.
 vulgaris, 235069.
Arachis glabrata, 231318-231321.
 hypogaea, 234271-234276, 234374-234376, 234416-234423, 235192.
Aralia cordata, 236013-236015.
Ardisia macrocarpa, 231838.
 polycephala, 231866.
 pusilla, 235308.
 sieboldii, 235307.
Arecastrum sp., 231457.
Argyrolobium linneanum, 235241.
 uniflorum, 233223.
Arisaema ringens, 235247.
 shikokianum, 235420.
 tosaense, 235248, 235421.
 sp., 235309, 235956.
Aristida scoparia, 234664.
Aristolochia tagala, 233967.
Arrhenatherum elatius, 233818, 234439, 234460-234467, 234687, 234709-234710, 234736, 234737, 234776, 235123, 235242, 235446-235457, 235543.
Artocarpus communis, 231242-231248.
Arundinaria anceps, 231049.
 vagans, 231053.
Asarum asaroides, 230992.
 sp., 235310, 235311, 235567, 235737, 235738, 235739, 235740, 235741, 235742, 235743, 235744, 235773, 235774, 235775.
 Ash. See *Fraxinus oxycarpa*.
 European. See *F. excelsior*.
Asparagus cochinchinensis, 235497.
 Aspen, European. See *Populus tremula*.
Asphodeline lutea, 233708.
Asplenium wrightii, 235312.
 sp., 235745.
Aster sp., 236129.
Astragalus agrestis, 232533.
 alpinus, 232534-232537.
 amalecitanus, 233224.
 americanus, 232538.
 boeticus, 233225.
 canadensis var. *brevidens*, 232539.
 eucosmus, 232540.
 falcatus, 234686, 235070.
 flexuosus, 232541.
 hamosus, 233226,
Astragalus agrestis—Continued
 humistratus var. *hosackiae*, 232542.
 kahiricus, 233227.
 miser var. *hylophilus*, 232543-232545.
 pectinatus, 232546.
 striatus, 232547.
 verilliferus, 232548.
 sp., 233729, 234636, 234637.
Atalaya hemiglaucula, 234087.
Atriplex confertifolia, 232549.
 halimus, 232084, 234665.
 nummularia, 235565, 235566.
 rosea, 232550.
Avena abyssinica, 234842.
 bromoides, 234468, 234711, 234738-234741.
 fatua, 233709, 234712, 235278.
 sativa, 232884, 232885, 234270, 235165-235168, 235276.
 sp., 232886, 234469, 234470.
 Avocado. See *Persea americana*.
 Azalea, *hiryu*. See *Rhododendron obtusum*.
 Japanese. See *R. japonicum*.
 Kurume. See *R. obtusum* f. *japonicum*.
 Bamboo. See *Arundinaria* spp.,
 Chimonobambusa falcata, *Sinarundinaria* spp.
 maso. See *Phyllostachys viridis*.
 Banana. See *Musa acuminata*.
 Barberry. See *Berberis* spp.*
 black. See *B. gagnepainii*.
 Japanese. See *B. thunbergii*.
 Rosemary. See *B. X stenophylla*.
 Barley. See *Hordeum* spp.*
 bulbous. See *H. bulbosum*.
 foxtail. See *H. jubatum*.
Barringtonia acutangula, 231839, 234313.
Bauhinia acuminata, 233571, 234314.
 glauca, 233575.
 japonica, 235313.
 picta, 231867.
 racemosa, 231840.
 tailensis, 234396.
Bauhinia, mottled. See *Bauhinia picta*.
 snowy. See *B. acuminata*.
 Bean, adzuki. See *Phaseolus angularis*.
 common. See *P. vulgaris*.
 lima. See *P. lunatus*.
 moth. See *P. aconitifolius*.
 mung. See *P. aureus*.
 scarlet runner. See *P. coccineus*.
 Beautyberry. See *Callicarpa japonica*
 var. *luxurians*.
 fuzzy. See *C. mollis*.
 Beet. See *Beta vulgaris*.
Begonia convallariodora, 232066.
 glabra, 232065.
 sp., 231388.
Benincasa hispida, 235032.
Berberis gagnepainii, 231967.
 haematocarpa, 232551.
 inearifolia, 231875, 231876.

- Berberis gagnepainii*—Continued
lologensis, 231877, 231878.
 × *stenophylla*, 231968, 232689–232696.
thunbergii, 231969.
 sp., 233180.
- Berchemia racemosa*, 235127.
- Beta vulgaris*, 232887–232894.
 sp., 233842, 233843, 233844, 233845, 233846, 233847.
- Betula ermanii*, 232008.
glandulosa, 232552.
platyphylla var. *japonica*, 235128.
- Billbergia porteaana*, 230881.
- Birch. See *Betula* spp.*
 bog. See *B. glandulosa*.
- Blackbox. See *Eucalyptus bicolor*.
- Bleedingheart, Pacific. See *Dicentra formosa*.
- Bluegrass. See *Poa* spp.*
 big. See *P. ampla*.
 bulbous. See *P. bulbosa*.
 Kentucky. See *P. pratensis*.
 Nevada. See *P. nevadensis*.
- Bluestem. See *Andropogon dummeri*.
- Boehmeria biloba*, 236017.
nivea, 233783, 235552.
utilis, 233784.
- Bothriochloa decipiens*, 235677.
intermedia, 235678.
ischaemum, 235444, 235445.
- Bottlebrush. See *Callistemon brachyandrus*.
 showy. See *C. speciosus*.
- Bouteloua gracilis*, 234682.
- Box, common. See *Buxus sempervirens*.
 Japanese. See *B. microphylla* var. *japonica*.
- Boxelder. See *Acer negundo*.
- Brachypodium distachyon*, 233228.
 sp., 233730.
- Brassica carinata*, 231046.
napus, 232895.
oleracea var. *botrytis*, 231048, 231207–231211, 232070, 234599.
 var. *capitata*, 232071, 233191–233194, 234602, 235041–235046.
 var. *gemmifera*, 234054–234058.
 var. *gongylodes*, 231047.
pekinensis, 234600, 234601.
- Breadfruit. See *Artocarpus communis*.
- Broadbean. See *Vicia faba*.
- Broccoli. See *Brassica oleracea* var. *botrytis*.
- Bromus alopecurus*, 233229.
anomalus, 232193–232200.
barcensis, 233931.
carinatus, 232201–232206.
ciliatus, 231759, 231760, 232207–232216.
erectus, 234713–234715, 234743, 234744.
fasciculatus, 233230.
inermis, 231756–231758, 232217, 232218, 234045.
- Bromus alopecurus*—Continued
laevipes, 232219.
lanceolatus, 233231.
marginatus, 232220–232240.
pumpellianus, 232241, 232242.
rubens, 233232, 235461, 235544.
scoparius, 233233.
secalinus, 235612.
sterilis, 233234.
lectorum, 233235, 235279, 235280, 235462–235468.
tomentellus, 234471, 235469.
vulgaris, 232243–232246.
- Broom. See *Cytisus beanii*.
- Broomcorn. See *Sorghum technicum*.
- Brussels sprouts. See *Brassica oleracea* var. *gemmifera*.
- Burchellia capensis*, 233582.
- Burningbush, evergreen. See *Eunonymus japonicus*.
- Burelover, California. See *Medicago polymorpha* var. *vulgaris*.
- Burnet, small. See *Sanguisorba minor*.
- Butea monosperma*, 230882.
- Buttonclover. See *Medicago orbicularis*.
- Buxus microphylla* var. *japonica*, 235776.
sempervirens, 234059, 234638.
- Cabbage. See *Brassica oleracea* var. *capitata*.
 Chinese. See *B. pekinensis*.
- Cacao. See *Theobroma cacao*.
- Cajanus cajan*, 233020.
- Calanthe austro-kiusiuensis*, 235957.
discolor, 235959.
 sp., 235746, 235958, 235960.
- Callicarpa japonica* var. *luxurians*, 235498.
mollis, 235499.
- Callistemon brachyandrus*, 230883.
speciosus, 230884.
- Callitris gracilis*, 231697.
robusta, 230885, 231696.
- Calonyction aculeatum*, 234770, 235645.
- Calothamnus sanguineus*, 234088.
validus, 234089.
- Camellia, common. See *Camellia japonica*.
 netvein. See *C. reticulata*.
 sasanqua. See *C. sasanqua*.
- Camellia granthamiana*, 233781, 235417.
hongkongensis, 233215.
japonica, 231054, 231055, 231685–231695, 231857–231863, 233976, 234153–234158, 235314, 235568.
lanceolata, 233977.
miyagii, 231057.
oleifera, 233216, 235500.
pitardii, 231064, 233217.
reticulata, 231231, 233218, 233219, 233570.
rusticana, 233639–233643.
saluenensis, 231065.
sasanqua, 231621, 233637, 233638, 235249–235256, 235422.

Camellia granthamiana—Continued
sinensis, 231103–231106, 233220, 233538, 233806, 233978, 233979, 234451, 235569–235573.
taliensis, 231066, 232221.
tsaii, 231067.
 × *williamsii*, 231028.
 sp., 230925–230944, 231236, 232847, 233635, 233636, 235315.
Cannabis sativa, 232896–232898.
Capsicum chinense, 235047, 235048.
frutescens, 232429, 232450.
 Capulin. See *Prunus serotina* var. *salicifolia*.
Carex abrupta, 232360.
aquaticilis, 232361–232365.
arcta, 232366, 232367.
athrostachya, 232368–232370.
atrata, 232371, 232372.
aurea, 232373–232375.
barbarae, 232376.
bebbii, 232377, 232378.
buxbaumii, 232379.
canescens, 232380–232383.
capillaris, 232384.
chimaphila, 232385–232387.
cusickii, 232388.
diandra, 232389.
disperma, 232390–232394.
douglasii, 232395.
eastwoodiana, 232396, 232397.
egglestonii, 232398.
epipilosa, 232399–232401.
flava, 232402, 232403.
geyeri, 232404, 232405.
haydeniana, 232406–232408.
hoodii, 232409–232412.
idahoensis, 232413.
illota, 232414–232416.
inops, 232417.
interior, 232418.
 f. *keweenawensis*, 232419–232421.
kelloggii, 232422–232427.
laeviculmis, 232428, 232429.
lanuginosa, 232430.
lasiocarpa, 232431.
leporinella, 232432.
leptalea, 232433.
leptopoda, 232434–232435.
limnophila, 232436.
limosa, 232437.
media, 232438, 232439.
mendocinensis, 232440.
mertensii, 232441, 232442.
microptera, 232443–232452.
multicostata, 232461.
nebraskensis, 232453, 232454.
neurophora, 232455, 232456.
nigricans, 232457, 232458.
pachystachya, 232459, 232460, 232462–232468.
petasata, 232469.
phaeocephala, 232470, 232471.
podocarpa, 232472.
praegracilis, 232473–232476.

Carex abrupta—Continued
pratensis, 232478–232481.
 var. *subcoriacea*, 232477.
raynoldsii, 232482, 232483.
rossii, 232484.
rostrata, 232485, 232486.
sartwellii, 232487.
simulata, 232488, 232490.
stenoptila, 232491.
stipata, 232492.
substricta, 232493, 232494.
tolmiei, 232495, 232501.
vesicaria, 232502, 232503.
viridula, 232504.
whitneyi, 232505.
 sp., 235199.
Carissa carandas, 230886.
 Carob. See *Ceratonia siliqua*.
Carpinus laxiflora, 235633.
 Carrot. See *Daucus carota*.
Carthamus glaucus, 235662.
lanatus, 235666, 235668.
oxyacantha, 235658, 235667.
palaestinus, 235663.
tenuis, 235664, 235665.
tinctorius, 235659, 235660.
 sp., 235661, 235670.
Cassia australis, 234090.
 var. *revoluta*, 235522.
brewsteri, 230887.
cana, 235523.
desolata, 233299.
excelsa, 231868.
renigera, 231869.
reticulata, 231235.
surattensis, 231870.
 Cassiabark-tree. See *Cinnamomum cassia*.
Castanopsis cuspidata, 235501.
 Castorbean. See *Ricinus communis*.
Catalpa saccatum var. *incurvum*, 231109.
 Cauliflower. See *Brassica oleracea* var. *botrytis*.
 Cedar, Atlas. See *Cedrus atlantica*.
 Cyprian. See *C. brevifolia*.
 deodar. See *C. deodora*.
 Cedar-of-Lebanon. See *C. libanii*.
Cedrus atlantica, 232697–232699.
brevifolia, 232700.
deodora, 232701, 232702.
libanii, 231996.
Celastrus orbiculatus var. *punctatus*, 235961.
 Celery. See *Apium graveolens*.
Cenchrus setigerus, 235117.
Ceratonia siliqua, 232085, 233309–233311, 233579, 233580.
Ceratopetalum gummiferum, 234091.
Cestrum aurantiacum, 233968.
Chaenomeles japonica, 233181.
Chamaecyparis obtusa, 235130.
Cheiropleuria bicuspidis, 235747.
Cheirostylus sp., 235962.
Chenopodium pallidicaule, 234278.
quinoa, 234277.

- Cherry, flowering, Oriental. See *Prunus serrulata*.
 Higan. See *P. subhirtella*.
 Mame. See *P. incisa*.
 Manchu. See *P. tomentosa*.
 mountain. See *P. prostrata*.
 sour. See *P. cerasus*.
 sweet. See *P. avium*.
 Chickpea. See *Cicer arietinum*.
Chimonobambusa falcata, 231050.
Chionachne cyathopoda, 235679, 235680.
Chloranthus sp., 235777.
Chloris inflata, 233832.
Chrysalidocarpus sp., 230888.
Chrysanthemum (hybrids), 231093,
 235615-235630, 235891-235953,
 236028-236079, 236125-236128.
cinerariaefolium, 234358.
japonense, 235316.
shiwogiku, 235257.
 sp., 231094-231102, 235778.
Chrysopogon fallax, 235681, 235682.
 Chufa. See *Cyperus esculentus*.
Cicer arietinum, 231408-231410.
Cinnamomum cassia, 234192, 235292.
Cirrhopetalum makinoanum, 235963.
Citropsis schweinfurthii, 231240, 235657.
Citrullus colocynthus, 235118.
vulgaris, 233556-233559, 234287,
 234603-234605.
Citrus assamensis, 235991.
aurantifolia, 233338.
indica, 230986.
latipes, 230987.
nobilis var. *unshiu*, 234378, 234379.
ponki, 236080.
reticulata, 231218, 231219.
sinensis, 230877, 231229, 231230,
 234573-234576, 235734.
tachibana, 236081.
 sp., 232005, 234282, 236082.
Clausena anisata, 235418.
excavata, 235419.
heptaphylla, 231063.
Clematis crassifolia, 235964.
 sp., 235748.
Clethra barbinervis, 235131.
 Clethra, tree. See *Clethra barbinervis*.
 Clockvine, black-eyed. See *Thunbergia alata*.
 Clover. See *Trifolium* spp.*
 alpine. See *T. alpinum*.
 alsike. See *T. hybridum*.
 berseem. See *T. alexandrinum*.
 crimson. See *T. incarnatum*.
 hop. See *T. agrarium*.
 Kura. See *T. ambiguum*.
 Lappa. See *T. lappaceum*.
 mammoth. See *T. medium*.
 Persian. See *T. resupinatum*.
 red. See *T. pratense*.
 rough. See *T. scabrum*.
 strawberry. See *T. fragiferum*.
 subterranean. See *T. subterraneum*.
 twin. See *T. latifolium*.
 white. See *T. repens*.
 Clover—Continued
 woolly. See *T. tomentosum*.
Cocculus trilobus, 235503.
 Cocona. See *Solanum hyporhodium*.
Coelorachis rotboellioides, 235683.
 Coffea (hybrid), 231108.
arabica, 230961-230963, 230994-
 231027, 231111-231114, 231124,
 231258-231271, 231274, 231275,
 231322-231336, 231452, 231953,
 232629-232649, 233751-233757,
 233908-233913, 233957, 235200-
 235216, 235577, 235578, 235672,
 236086-236089, 236141, 236142.
bengalensis, 231061, 231337, 231864.
canephora, 230964, 231199-231205,
 231338, 234327-234336, 236085.
congensis, 234289.
excelso, 231215.
khasiana, 231062.
kivuensis, 234290.
liberica, 231107.
salvatrix, 231829.
 Coffee. See *Coffea* spp.*
 Arabian. See *C. arabica*.
 Congo. See *C. excelsa*.
 Liberian. See *C. liberica*.
Coix lacrymajobi, 233895.
Colchicum luteum, 231841.
ritchii, 233937.
 sp., 233936, 233938.
 Colocynth. See *Citrullus colocynthus*.
 Columbine. See *Aquilegia formosa*.
 European. See *A. vulgaris*.
Colvillea racemosa, 230889.
 Comfrey, common. See *Symphytum officinale*.
Commelina sikkimensis, 231842.
Convallaria keiskii, 235132.
Copernicia australis, 230890.
 Coralree. See *Erythrina* spp.*
Corchorus sp. 231892.
Cordyline australis, 230891.
 Corn. See *Zea mays*.
 Cornelian-cherry. See *Cornus mas*.
Cornus alba var. *sibirica*, 231249.
kousa, 236016.
mas, 231316.
 sp., 235581.
Corylopsis spicata, 235258, 235423.
Cosmos caudatus, 233862.
sulphureus, 233863.
Cotoneaster sp., 235071.
 Cotton. See *Gossypium* spp.*
 Asiatic tree. See *G. arboreum*.
 Cowpea, common. See *Vigna sinensis*.
Crassula falcata, 233583.
Crinum asiaticum var. *japonicum*,
 235504.
Crocus sp., 234299.
Crotalaria anagyroides, 231893.
brevi ora, 231894.
fiherensis, 233149.
incana, 231895-231897.
junceae, 231898, 234771, 235671.
mitchellii, 231698.

- Crotalaria anagyroides*—Continued
mucronata, 231899–231902.
pumila, 233137.
saltiana, 231903.
verrucosa, 231904.
- Crotalaria*, striped. See *Crotalaria mucronata* sunn. See *C. juncea*.
- Cryptomeria*, common. See *Cryptomeria japonica*.
- Cryptomeria japonica*, 231947.
- Cucumber. See *Cucumis sativus*.
- Cucumis melo*, 231130, 234288, 234606, 234607.
sativus, 233646, 233932, 234517, 235040.
- Cucurbita maxima*, 234608–234610, 234612.
moschata, 234611, 234613.
okeechobeensis, 235030.
pepo, 232072, 234251–234253, 234614–234618.
- Cunonia capensis*, 231699.
- Cupressus sempervirens* var. *horizontalis*, 233294.
var. *stricta*, 233295.
- Currant, mountain. See *Ribes alpinum*.
winter. See *R. sanguineum*.
- Cushaw. See *Cucurbita moschata*.
- Cydonia oblonga*, 231343–231346, 233109, 233161.
- Cymbidium nagifolium*, 235965.
simonsianum, 235966.
virescens, 235967.
- Cymbopogon bombycinus*, 235684–235686.
exaltatus, 235687, 235688.
obtectus, 235689.
procerus, 235690.
refractus, 235691.
- Cynosurus cristatus*, 234745.
- Cyperus esculentus*, 231256.
gracilis, 230982.
- Cypress, Italian. See *Cupressus sempervirens* var. *stricta*.
Italian, spreading. See *C. sempervirens* var. *horizontalis*.
- Cypress-pine. See *Callitris* spp.*
- Cytisus beanii*, 232703, 232704.
- Dactylis glomerata*, 321468–231516, 231518, 231522, 231523, 231551, 231607–231615, 231727, 231761, 233819, 234248, 234440, 234472, 234475–234477, 234667, 234688–234690, 234716, 235067, 235124, 235243, 235281, 235471–235479.
var. *hispanica*, 231517, 231519–231521, 231524–231550, 234046, 234473, 234474.
- Dalea alopecuroides*, 231728.
- Damnacanthus macrophyllus* var. *giganteus*, 235317.
- Danthonia californica*, 232247.
intermedia, 232248.
- Daphniphyllum glucescens*, 235424
- Datura candida*, 234285, 234286.
metel, 234199.
- Datura*, Hindu. See *Datura metel*.
- Daucus carota*, 232073, 234619–234623.
- Daylily. See *Hemerocallis* spp.*
dwarf. See *H. minor*.
- Debregeasia edulis*, 35259.
- Delonix regia*, 234594.
- Dendrum nobile*, 235749.
sp., 235779, 235780.
- Dendropanax trifidus*, 235582.
- Derris microphylla*, 233972.
- Desmodium barbatum*, 231905, 231906.
canum, 231907, 231908.
gyroides, 231909, 231910.
ovalifolium, 231911, 234414.
sp., 231912, 233864.
- Devilpepper. See *Rauwolfia* spp.*
java. See *R. serpentina*.
- Dicentra formosa*, 232553.
- Dichanthium aristatum*, 231059.
fecundum, 235692.
superciliatum, 235693–235695.
- Dicranopteris dichotoma*, 235318.
- Dioscorea bulbifera*, 235158.
hispida, 234774, 234775.
remota, 231963.
sylvatica, 234833.
sp., 233382–231387, 231956–231962, 233699, 233887, 233888.
- Diplaziopsis cavalieriana*, 235955.
- Diplazium lanceum*, 235260.
- Distylium racemosum*, 235319, 235505.
- Dock. See *Rumex* spp.*
clustered. See *R. conglomeratus*.
curly. See *R. crispus*.
fiddleleaf. See *R. pulcher*.
patience. See *R. patientia*.
pond. See *R. aquaticus*.
- Dodonaea attenuata*, 230892.
- Dogwood. See *Cornus alba* var. *sibirica*.
Japanese. See *C. kousa*.
- Dolichos biflorus*, 233021.
- Dolichos*, twinflower. See *Dolichos biflorus*.
- Dombeya nyasica*, 230893.
rotundifolia, 230894.
sp., 230895.
- Dorycnium hirsutum*, 234160.
- Douglas-fir, Japanese. See *Pseudotsuga japonica*.
- Dovyalis abyssinica*, 235882.
- Dracena*, green. See *Cordyline australis*.
- Dryas drummondii*, 232554.
- Duboisia* (hybrids), 231445–231449.
myoporoides, 231440–231444.
- Eggplant. See *Solanum melongena*.
- Elaeagnus angustifolia*, 233048.
- Elaeocarpus grandiflorus*, 233973.
- Elder, American. See *Sambucus canadensis*.
European. See *S. nigra*.
- Elm, American. See *Ulmus americana*.

- Elymus canadensis*, 232249-232251.
cinereus, 232252-232255.
geniculatus, 232326.
glaucus, 232256-232280.
 var. *japonii*, 232281.
innovatus, 232282.
pacificus, 232283.
triticoideus, 232284, 232285.
- Emmer. See *Triticum dicoccum*.
- Enkianthus deflexus*, 231843.
- Eragrostis chloromelas*, 234206-234210.
curvula, 232986, 233549, 234111-234217.
robusta, 234218, 234219.
 sp., 234558.
- Eremocitrus glauca*, 234092.
- Eriochrysis munroana*, 232671.
- Erythrina fusca*, 230896, 233848, 233865.
tomentosa, 230897.
- Erythronium* sp., 232555.
- Eucalyptus aggregata*, 233850.
bicolor, 233851, 233882.
brockwayi, 233883.
caesia, 234093.
camaldulensis var. *obtusa*, 233884.
cloeziana, 230898.
coccifera, 233852.
dalrympleana, 233853.
dundasi, 233885.
erythrocorys, 230899.
ewartiana, 230900.
gigantea, 233854.
gunnii, 233855.
johnstonii, 233856.
kessellii, 230901.
leucophylla, 230902.
maculosa, 234094.
mitrata, 234095.
niphophila, 233857.
pauciflora, 233858.
preissiana, 234096.
rubida, 233859.
salmonophloia, 233886.
sepulcralis, 234097.
stellulata, 233860.
stoatei, 234098.
tetragona, 234099.
tetraptera, 234100.
torquata, 230903.
urnigera, 233861.
- Euchlaena mexicana*, 231029, 233555, 233896.
- Euchresta japonica*, 235320, 235506.
- Eugenia jambos*, 235750.
- Eulalia fulva*, 235696.
machinlayi, 235697, 235698.
- Euonymus americanus*, 232778.
japonicus, 232009.
lanceifolius, 231339.
nikoensis, 232779.
pauciflorus, 232780.
pendulus, 231340.
verrucosus, 232781.
- Euonymus, brook. See *E. americanus*.
- Eurotia lanata*, 232556-232558.
- Eurya emarginata*, 235425.
 var. *microphylla*, 235968.
ochracea, 235502.
yakushimensis, 235781.
- Excoecaria crenulata*, 235303.
- Falsebrome, purple. See *Brachypodium distachyon*.
- Falsecypress, Hinoki. See *Chamaecyparis obtusa*.
- Faurea macnaughtonii*, 231700.
- Fescue. See *Festuca* spp.*
 bearded. See *F. subulata*.
 California. See *F. californica*.
 Idaho. See *F. idahoensis*.
 meadow. See *F. elatior*.
 red. See *F. rubra*.
 rough. See *F. scabrella*.
 sheep. See *F. ovina*.
 tall. See *F. arundinacea*.
- Festuca arundinacea*, 231552-231564, 232876-232880, 233237, 234047, 234717-234720, 234746-234748, 234882-234885, 234890, 234892, 234893, 234906, 235018, 235019, 235036, 235125, 235244, 235470.
californica, 232286.
elatior, 232287, 233820, 233821, 234777, 234886-234889, 234891, 234894, 234905, 235035, 235037, 235073, 235156.
idahoensis, 232288-232295.
laxa, 234907, 235074.
ovina, 234478, 234749-234752, 234895-234898, 235072, 235218.
 var. *brachyphylla*, 232296.
rubra, 231712, 231713, 234721, 234753-234757, 234778, 234899-234904, 234951, 234952, 235087, 235088.
scabra, 235028.
scabrella, 232297.
subulata, 232298.
thurberi, 232299-232303.
 sp., 231714-231717, 232304, 233731, 234060-234062, 234758, 234881.
- Ficus carica*, 235049-235060.
chrysocarpa, 230904.
pumila, 235261.
- Fig. See *Ficus chrysocarpa*.
 climbing. See *F. pumila*.
 common. See *F. carica*.
- Fir. See *Abies* spp.*
 Greek. See *A. cephalonica*.
 Himalayan. See *A. spectabilis*.
 white. See *A. concolor*.
- Flax. See *Linum* spp.*
 African. See *L. africanum*.
 Austrian. See *L. austriacum*.
 common. See *L. usitatissimum*.
 flowering. See *L. grandiflorum*.
 low. See *L. humile*.
 golden. See *L. flavum*.
 narrowleaf. See *L. angustifolium*.
 narbonne. See *L. narbonne*.
 perennial. See *L. perenne*.
 slimleaf. See *L. tenuifolium*.

- Flindersia maculosa*, 234101.
 Foxtail, Alpine. See *Alopecurus alpinus*.
 meadow. See *A. pratensis*.
 shortawn. See *A. aequalis*.
Fragaria (hybrids), 231088-231092,
 232651, 232652, 232834-232838,
 233017-233019, 233049.
chiloensis, 233063, 233698, 235810-
 235812, 235878-235881, 235992,
 235995-236008, 236010-236012,
 236090-236101, 236103-236114.
hayatai, 234284.
orientalis, 233877.
Fraxinus excelsior, 231997, 232705,
 232706.
oxycarpa, 231250.
 Frutilla. See *Rubus geoides*.
Garcinia dulcis, 230905.
Gaultheria cuneata, 231135.
hookeri, 231844.
itoana, 231136.
miqueliana, 231137.
nummularioides, 231845.
procumbens, 231138.
pyroloides, 231846.
shallon, 231139.
trichophylla, 231847.
Genista raelam, 233238.
 sp., 235219.
Gentiana elegans, 232559.
 Geranium. See *Pelargonium salmon-
 eum*.
Gesneria sp., 235782.
Glochidion obovatum, 235262.
Glycine falcata, 230983, 233139, 233140.
clandestina, 233138.
javanica, 233141-233148, 234874,
 234876, 235287.
 var. *claessensii*, 231464, 232670.
max, 230968-230981, 231172,
 232899-232902, 232987-232999,
 235026, 235027, 235335-235346.
schliebenii, 231465.
tomentella, 233051.
 sp., 231466, 234875.
 Goldenchain. See *Laburnum anagy-
 roides*.
Goodyera maximowicziana, 235751,
 235969.
schlechtendaliana, 235752.
velutina, 235784.
 sp., 235753, 235783.
 Goosefoot. See *Chenopodium pallidi-
 caule*.
Gossypium (hybrids), 232874, 233702,
 233791-233805, 233914, 234268,
 234269, 234303, 234304, 234344-
 234352, 234369-234373, 235550,
 235563, 235564, 236027.
arborescens, 233724-233726.
 sp., 234325.
 Gourd, calabash. See *Lagenaria leu-
 cantha*.
 Grama, blue. See *Bouteloua gracilis*.
 Granadilla. See *Passiflora umbilicata*.
 sweet. See *P. ligularis*.
 Grape. See *Vitis* (hybrids).
 brier. See *V. davidii*.
 European. See *V. vinifera*.
 Grass, bahia. See *Paspalum notatum*.
 bent. See *Agrostis* spp.*
 colonial. See *A. tenuis*.
 creeping. See *A. palustris*.
 bottlebrush. See *Hystrix californi-
 ca*.
 brome. See *Bromus* spp.*
 chess. See *B. secalinus*.
 chinook. See *B. laevipes*.
 Columbia. See *B. vulgaris*.
 foxtail. See *B. rubens*.
 fringed. See *B. ciliatus*.
 meadow. See *B. erectus*.
 mountain. See *B. carinatus*.
 nodding. See *B. anomalus*.
 poverty. See *B. sterilis*.
 smooth. See *B. inermis*.
 soft. See *B. marginatus*.
 canary. See *Phalaris* spp.*
 hood. See *P. paradoxa*.
 large. See *P. aquatica*.
 littleseed. See *P. minor*.
 reed. See *P. arundinacea*.
 cheat. See *Bromus tectorum*.
 cogon. See *Imperata cylindrica*.
 dallis. See *Paspalum dilatatum*.
 guinea. See *Panicum maximum*.
 lawn, Japanese. See *Zoysia japoni-
 ca*.
 love. See *Eragrostis robusta*.
 boer. See *E. chloromelas*.
 weeping. See *E. curvula*.
 Manila. See *Zoysia matrella*.
 needle. See *Stipa* spp.*
 Pacific. See *S. californica*.
 western. See *S. occidentalis*.
 oat. See *Danthonia* spp.*
 tall. See *Arrhenatherum elatius*.
 orchard. See *Dactylis glomerata*.
 para. See *Panicum purpurascens*.
 rice. See *Oryzopsis* spp.*
 bloomers. See *O. bloomeri*.
 Indian. See *O. hymenoides*.
 little. See *O. exigua*.
 rye, Italian. See *Lolium multi-
 florum*.
 perennial. See *L. perenne*.
 smilo. See *Oryzopsis miliacea*.
 sudan. See *Sorghum sudanense*.
 torpedo. See *Panicum repens*.
 vasey. See *Paspalum urvillei*.
 vernal, sweet. See *Anthoxanthum
 odoratum*.

Grass—Continued

- wheat. See *Agropyron* spp.*
 bearded. See *A. subsecundum*.
 bluebunch. See *A. spicatum*.
 bluestem. See *A. smithii*.
 crested. See *A. cristatum*.
 slender. See *A. trachycaulum*.
 streambank. See *A. riparium*.
 tall. See *A. elongatum*.
 thickspike. See *A. dasystachyum*.

Grasspea. See *Lathyrus sativus*.

Greyia radlkoferi, 233584.

Groundcherry, Peruvian. See *Physalis peruviana*.

Gum, cider. See *Eucalyptus gunnii*.

white. See *E. pauciflora*.

Hedysarum humile, 234639.

spinosissimum var. *capitatum*, 233239.

sulphurescens, 232560.

Helianthus annuus, 231926–231929, 232903–232906.

Helictotrichon hookeri, 234877–234880.

pubescens, 234742, 235459, 235460.

Hemerocallis aurantiaca var. *littorea*, 235321, 235507.

minor, 235754.

thunbergii, 235133.

Hemlock. See *Tsuga sieboldii*.

Hemp. See *Cannabis sativa*.

Hesperochloa kingii, 232305.

Heteropogon contortus, 235699.

triticeus, 235700.

Hevea (hybrids), 233589–233624,

233939–233948, 233950–233953,

234016–234044, 234518–234529,

235603–235611.

benthamiana, 233954, 233956,

235274, 235592, 235593.

brasiliensis, 235275, 235594–235599.

guianensis var. *lutea*, 233949.

microphylla, 233955.

nitida, 235600–235602.

pauciflora, 234530.

Hibiscus cannabinus, 235273.

mutabilis, 235631, 235632.

Hicksbeachia pinnatifolia, 231871.

Hippocrepis bicondita, 233240.

unisiliquosa, 233241.

Holly. See *Ilex* spp.*

American. See *I. opaca*.

coral. See *I. corallina*.

droopbead. See *I. geniculata*.

English. See *I. aquifolium*.

finetooth. See *I. serrata*.

Himalaya. See *I. dipyrrena*.

Japanese. See *I. crenata*.

Nepal. See *I. intricata*.

Honeysuckle. See *Lonicera involucrata*.

lilac. See *L. syringantha*.

Hopbush. See *Dodonaea attenuata*.

Hordeum bulbosum, 233242.

distichon, 234843, 234844.

jubatum, 234683.

murinum, 233243.

Hordeum bulbosum—Continued

spontaneum, 235639.

vulgare, 234845–234853.

sp., 231150–231163, 231663,

232907–232922, 233834–233838,

234322, 234705, 234854, 235169–

235191.

Hornbeam. See *Carpinus laxiflora*.

Horsechestnut, common. See *Aesculus*

hippocastanum.

Japanese. See *A. turbinata*.

Hugeria japonica, 235322.

Hydrangea, panicle. See *Hydrangea paniculata*.

Hydrangea paniculata, 235134.

Hymenocallis sp., 234311.

Hymenophyllum barbatum, 235323.

integrum, 235324.

Hypparrhenia hirta, 233222.

rufa, 232080, 232081.

Hypericum lanceolatum, 233585.

yakusimense, 235785.

Hyphaene sp., 231087, 235637.

Hystrix californica, 232306.

Ilex (hybrids), 231704, 231705.

atlacalensis, 231702.

aquifolium, 231703, 232707.

cinerea, 231068.

corallina, 232708.

crenata, 231948, 236020, 236021.

dipyrena, 232709.

fargesii, 232710.

geniculata, 235129.

hanceana, 231069.

integra, 235508.

intricata, 232711.

mutchagara, 235574, 235583.

opaca, 231872–231874, 233059–

233061.

paraguariensis, 231954.

rugosa, 234948, 235135.

serrata, 236022.

var. *sieboldi*, 235426, 235509,

236023.

sugeroki var. *longipedunculata*,

236024.

warburgii, 231071.

yunnanensis, 233050.

sp. 233062.

Imperata cylindrica, 233244.

exaltata, 235644.

Indigo. See *Indigofera* spp.*

creeping. See *I. endecaphylla*.

hairy. See *I. hirsuta*.

Indigofera endecaphylla, 234389.

hirsuta, 231147–231149, 231913,

231914.

pseudotinctoria, 235263, 235427.

suffruticosa, 234415, 235643.

teysmannii, 232818.

sp., 235075.

Inula sp., 234063.

Ipomoea angulata, 234794, 235800.

batatas, 234280.

blepharosepala, 234795.

dasysperma, 235098.

Ipomoea angulata—Continued

- digitata*, 234768.
fragilis, 235099.
hederacea, 234429, 234515, 234966, 235801.
hederifolia, 234796.
insignis, 235802.
leari, 234390.
leucantha, 235803.
lindheimeri, 235647.
lobata, 234797.
mexicana, 235804.
nil, 235064.
palmata, 234391, 235805.
pes-caprae, 234315, 234769.
pes-tigridis, 234967.
purpurea, 234430, 234494, 234516, 235065, 235806.
rubro-caerulea, 234392, 234431, 235351, 235807.
setifera, 234798.
setosa, 235648.
sinuata, 235646.
superba, 235649.
tricolor, 235066, 235352, 235650.
violacea, 234799.
sp., 234660–234663, 234800, 234801, 235651, 235652, 235653, 235654, 235655, 235656, 235808, 235809.
Iris, fringed. See *Iris japonica*.
 Japanese. See *I. kaempferi*.
moraea. See *I. sisyrinchium*.
Iris japonica, 235264.
kaempferi, 235584.
sisyrinchium, 232034, 233045.
Ischaemum arundinaceum, 235701, 235702.
australe var. *villosum*, 235704.
rugosum, 235703.
Isilema fragile, 235705, 235706.
macrathera, 235707–235709.
Jaragua. See *Hyparrhenia rufa*.
Jasminum sp., 232653.
Jatropha podagrica, 232067.
Jobs tears. See *Coix lacrymajobi*.
Juglans regia, 231127, 235993.
Juncus balticus var. *montanus*, 232506.
compressus, 232507.
ensifolius, 232508–232512.
hallii, 232513.
longistylis, 232514.
mertensianus, 232515.
nodosus, 232516.
parryi, 232517.
regelin, 232518.
tracyi, 232519.
tweedyi, 232520.
Juniper. See *Juniperus* spp.*
Juniperus chinensis var. *sargentii*, 235786.
communis var. *saxatilis*, 232561–232562.
sp., 233182, 233822, 234668.
Kallstroemia grandiflora, 232563.
Karanda. See *Carissa carandas*.
Kenaf. See *Hibiscus cannabinus*.
Khaya senegalensis, 233572.
Kidneyvetch. See *Anthyllis vulneraria*.
Kino, Bengal. See *Butea monosperma*.
Klugia noloniana, 234734.
Koeleria setacea, 234759.
Kohlrabi. *Brassica oleracea* var. *gongylodes*.
Kopsia fruticosa, 230906.
Laburnum anagyroides, 231998, 231999.
Lactuca bourgaei, 234200.
dentata, 234204.
keiskeana, 235265.
macrorrhiza, 234201.
muralis, 234246, 234247.
plumieri, 234202, 234244.
sativa, 234624.
sp., 234245.
Lagenaria leucantha, 235033.
Laletmantia iberica, 232003.
Larch. See *Larix gmelinii* var. *japonica*.
 Chinese. See *L. potaninii*.
 European. See *L. decidua*.
 Himalayan. See *L. griffithiana*.
 Siberian. See *L. sibirica*.
Larix decidua, 232712, 233307.
gmelinii var. *japonica*, 232714.
griffithiana, 232713.
potaninii, 232715.
sibirica, 233308.
Lasianthus japonicus, 235510.
satsuemensis, 235511, 235512.
Lathyrus cicera, 231456.
hirsutus, 234669.
montanus, 234732.
sativus, 232923.
vestitus var. *puberulus*, 232564.
Lettuce. See *Lactuca* spp.*
 garden. See *Lactuca sativa*.
Leptarrhena pyrifolia, 232565.
Leucospermum reflexum, 233586.
Ligustrum obtusifolium, 235136.
Lilium tsingtauense, 233666.
Lily. See *Lilium tsingtauense*.
Lily-of-the-valley, Japanese. See *Convallaria keiskii*.
Lime. See *Citrus aurantifolia*.
Lindsra obtusiloba, 235137.
Lindsaya sp., 235970.
Linum africanum, 233324.
alpinum, 231945.
altaicum, 231824.
angustifolium, 231886, 232823.
austriacum, 231754, 232829.
campanulatum, 231922.
catharticum, 233325.
dolomiticum, 231931.
extraaxillare, 231825.
flavum, 231946, 232654, 233326.
grandiflorum, 231821, 231887, 232655.
hirsutum, 231924.
humile, 232824–232826.
hypericifolium, 231925.
julicum, 231930, 232830.
lewisii, 231804, 232656, 234684.
monogynum, 231751, 231827.

- Linum africanum*—Continued
narbonense, 232657, 233327.
nervosum, 231943, 231944.
pallescens, 231828, 231830.
perenne, 231752, 231831, 231888, 232658.
salsoloides, 231753.
stelleroideis, 234452.
tenuis, 231832.
tenifolium, 232831, 233328.
thracicum, 231932.
usitatissimum, 231833–231835, 232659, 233300–233303.
 sp., 231826, 233710, 234479.
- Liparis nervosa*, 235325, 235755, 235756.
- Liriodendron chinense*, 233644.
- Litchi chinensis*, 234318–234321.
- Lolium multiflorum*, 233667, 235038 235157.
perenne, 231565–231606, 231616–231620, 233823, 234048, 234441, 234442, 234779.
- Lonicera involucrata*, 232566.
syringantha, 235144.
- Lotononis bainesii*, 234409.
- Lotus corniculatus*, 231123, 232097, 232098, 233732, 233807, 234064, 234065, 234691, 234692, 234786, 234804–234811, 235076, 235077, 235089, 235090, 235101, 235110, 235111, 235113, 235525.
 var. *arvensis*, 234670, 235078, 235091.
douglasii, 231451.
pedunculatus, 232099, 232100, 234493, 234559, 234812, 235102, 235114, 235115, 235526–235531.
purshianus, 232567, 234240.
tenuis 235112.
wrightii, 232568.
 sp., 233733, 233738, 234813.
- Luffa acutangula*, 235031.
- Luisia teres*, 235971.
- Lupine. See *Lupinus* spp.*
 blue. See *L. angustifolius*.
 European blue. See *L. hirsutus*.
 Pacific. See *L. lepidus*.
 silky. See *L. sericeus*.
 silvery. See *L. argenteus*.
 spur. See *L. laxiflorus*.
 Washington. See *L. polyphyllus*.
 white. See *L. albus*.
 yellow. See *L. luteus*.
- Lupinus albus*, 232924.
angustifolius, 233689.
argenteus, 232569–232574.
hirsutus, 233245.
humicola, 232575.
laxiflorus, 232576.
lepidus, 232577.
 var. *caespitosus*, 232578.
luteus, 232925, 232926.
lyallii, 232579.
polyphyllus, 232580.
sericeus, 232581.
 sp., 231718, 232582, 233552, 234814
- Luzula glabrata*, 232521–232523.
parviflora, 232524.
piperi, 232525.
- Lychee. See *Litchi chinensis*.
- Lycopersicon cheesmanii*, 231257.
esculentum, 231058, 231729, 231730, 233930, 234254, 234255, 234625–234628, 235673.
- Lycopodium subdistichum*, 235787.
- Lyonia ligustrina*, 231140.
mariana, 231141.
ovalifolia, 231848.
- Lysimachia sikokiana*, 235428.
- Maesa japonica*, 235429.
- Magnoliavine, Chinese. See *Schisandra chinensis*.
- Mahonia aquifolium*, 232000, 232675.
lomariifolia, 232716.
pinnata, 231251.
repens var. *rotundifolia*, 232717.
- Malus* (hybrids), 231252, 231272, 231273, 231304, 231879, 231923, 232001, 232006, 232676.
sylvestris, 231284–231287, 231294, 231295, 231458, 231684, 231750, 231939–231942, 231964, 232650, 232660, 232661, 232859–232864.
- Mandevilla splendens*, 234458.
- Maple. See *Acer* spp.*
 Coliseum. See *A. cappadocicum*.
 red. See *A. rubrum*.
- Martynia fragrans*, 234377.
- Mayapple, Himalayan. See *Podophyllum emodi*.
- Meadowrue. See *Thalictrum* spp.*
 columbine. See *T. aquilegifolium*.
 dusty. See *T. glaucum*.
 narrowleaf. See *T. lucidum*.
- Medic. See *Medicago* spp.*
 barrel. See *M. tribuloides*.
 black. See *M. lupulina*.
 cogwheel. See *M. tuberculata*.
 snail. See *M. scutellata*.
 Tifton. See *M. rigidula*.
- Medicago* (hybrids), 234788, 235818–235834.
blancheana, 233246.
ciliaris, 233247.
coronata, 233248.
falcata, 231731, 233750, 234815–234818, 235020–235022, 235092.
littoralis, 233250.
lupulina, 234671, 234760, 234819–234821, 234953, 235103–235104.
maritima, 234723.
orbicularis, 233251, 234480, 234672.
polymorpha var. *vulgaris*, 233249.
prostrata, 230984.
rigidula, 233252.
rotata, 233253.
rugosa, 233254.
sativa, 231042, 231762–231768, 233055, 233056, 233195–233202, 233711–233715, 234205, 234291, 234343, 234438, 234443, 234481, 234482, 234640–234643, 234673,

Medicago—Continued

- 234706, 235093, 235245, 235537–
235540, 235736.
var. *gaetula*, 230985.
var. *varia*, 232927, 235835.
scutellata, 233255.
tribuloides, 234292, 236084.
tuberculata, 233256, 233808.
sp., 234066, 234787.
Melaleuca crassifolia, 234102.
decussata, 234103.
ericifolia, 230907.
fulgens, 234104.
genistifolia, 230908.
gibbosa, 234105.
huegelii, 230909.
neglecta, 234106.
pauperiflora, 230910.
pubescens, 230911.
radula, 234107, 234397.
squarrosa, 234108.
wilsonii, 234109.
Medlar. See *Mespilus germanica*.
Melic. See *Melica* spp.*
Melica bulbosa, 232307–232309.
cupani, 233257.
subulata, 232310, 232311.
Melilotus alba, 232928, 234789, 235094.
indica, 234674.
messanensis, 231233.
officinalis, 235094, 235096.
sp., 234693.
Meliosma rigida, 235430.
Memecylon umbellatum, 233969.
Mentha spicata, 234453.
Meriania nobilis, 234357.
Mespilus germanica, 231347–231350,
232832, 232833.
Milkvech. See *Astragalus* spp.*
Alpine. See *A. alpinus*.
flexile. See *A. flexuosus*.
prairie. See *A. striatus*.
purple. See *A. agrestis*.
Millet, foxtail. See *Setaria italica*.
Milletia pulchra, 233576.
Mimulus guttatus, 232583.
Miscanthidium capense, 232672.
violaceum, 232673.
Mockorange. See *Philadelphus micro-
phyllus*.
Monkshood, Baker. See *Aconitum
bakeri*.
Montanoa bipinnatifida, 233970.
Moonflower. See *Calonyction aculea-
tum*.
Morning-glory. See *Ipomoea* spp.*
Brazilian. See *I. setosa*.
common. See *I. purpurea*.
fingerleaf. See *I. digitata*.
ivyleaf. See *I. hederacea*.
Mountain-ash. See *Sorbus rufo-fer-
ruginea*.
Mundulea sp., 230912.
Musa acuminata, 231213, 231214.
sp., 235284, 235285.
Muscari sp., 234300.

Muskmelon. See *Cucumis melo*.Necklacetree. See *Ormosia monosper-
ma*.*Neolitsea* sp., 235431.*Nicotiana debneyi*, 230945, 230946.*exigua*, 230947–230949.*goodspeedii*, 230950–230952.*gossei*, 230953–230955.*megalosiphon*, 230956–230958.*otophora*, 235553, 235554.*plumbaginifolia*, 235555–235557.*rotundifolia*, 230959.*suaveolens*, 230960.*tabacum*, 231039, 231040, 235558–
235562.Oak. See *Quercus* spp.*Japanese, blue. See *Q. galuca*.Oats. See *Avena* spp.*common. See *A. sativa*.wild. See *A. fatua*.*Oberonia* sp., 235989.*Ochrosia* sp., 231453.*Omphalea triandra*, 231234.Onion. See *Allium cepa*.*Onobrychis caput-galli*, 233258.*squarrosa*, 233259.*viciaefolia*, 234644, 234822, 234823.*Ononis alopecuroides*, 233260.*ornithopodioides*, 233261.*pubescens*, 233262.*reclinata*, 233263.*sicula*, 233264.*tridentata*, 234645.*Operculina tuberosa*, 234316, 234393,
235100.*Ophiorrhiza japonica*, 235768.*Ophiurus exaltatus*, 235710.Orach, tumbling. See *Atriplex rosea*.Orange, Mandarin. See *Citrus reticu-
lata*.Satsuma. See *C. nobilis* var. *un-
shiu*.sweet. See *C. sinensis*.wild, India. See *C. indica*.*Orchis* sp., 235990.Oregongrape. See *Mahonia aquifolium*.*Ormosia monosperma*, 230913.

sp., 231206, 233652.

Ornithogalum sp., 232035, 233046,
234301.*Orthocarpus tenuifolius*, 232584.*Oryza barthii*, 232852.*breviligulata*, 233065.*coarctata*, 233066.*glaberrima*, 231110, 231194, 231195,
232855–232855.*grandiglumis*, 233703.*latifolia*, 231421, 232850, 233704,
233705.*meyeriana*, 232851.*minuta*, 321423.*perennis*, 231422, 233067.*sativa*, 230988–230991, 231128,
231129, 231174–231177, 231411–
231419, 231622–231659, 231933–
231938, 233068–233106, 233156–

Oryza barthii—Continued*sativa*—Continued

233158, 233289, 233660, 233662—
233665, 233706, 233878—233881,
233889—233894, 233917, 233918,
234305—234309, 234353—234356,
234969—235017, 235061—235063.

Oryzopsis asperifolia, 232312.*bloomeri*, 232313.*coerulescens*, 232086.*exigua*, 232314—232317.*holciformis*, 232087, 233265.*hymenoides*, 232318—232344.*miliacea*, 234483, 234646.*Osbeckia rubicunda*, 234735.*Osmanthus heterophyllus*, 231949.

sp., 235973.

Osmunda bromeliaefolia, 235266.*Oxytropis deflexa* var. *sericea*, 232585—
232588.*lambertii* var. *bigelovii*, 232589.*oreophila*, 232590.*sericea*, 232591.*splendens*, 232592.*viscida*, 232593—232594.*Pachypodium* sp., 230914.*Palm.* See *Copernicia australis*, *Vit-*
phoenix sessilifolia.*Panic.* blue. See *Panicum antidotale*.*Panicum antidotale*, 235119.*maximum*, 232082, 232083, 233553.*miliaceum*, 232929.*purpurascens*, 231060.*repens*, 233266.

sp., 235480, 235381.

Papaver rhoeas, 231303.*somniferum*, 232930.*Paspalum*, brownseed. See *Paspalum*
placitulum.field. See *P. laeve*.ribbed. See *P. malacophyllum*.sand. See *P. stramineum*.*Paspalum alnum*, 234942, 235357.*commersonii*, 235358.*commune*, 235359.*convexum*, 235360.*cromyhorizon*, 234943.*dilatatum*, 233053, 233560, 233563—
233567, 234072—234076, 234110—
234144, 235068, 235361—235265.*floridanum*, 235366.*guenoarum*, 232820.*humboldtianum*, 235367.*laeve*, 235368.*lanceolatum*, 235369.*malacophyllum*, 235370.*nicorai*, 232821.*notatum*, 232822, 233054, 234077,
234078, 234145, 235371—235380.*paniculatum*, 235381.*pauciciliatum*, 233568, 233569,
234944, 235382, 235383.*placitulum*, 234079, 235384, 235385.*polyphyllum*, 234945.*quadrifarium*, 234146, 234147.*Paspalum alnum*—Continued*regnelli*, 235386.*rojasii*, 234946.*scrobiculatum*, 235387—235393.*secans*, 235394, 235395.*setaceum*, 235396.*simplex*, 235397, 235398.*stellatum*, 234947.*stramineum*, 235399, 235400.*urvillei*, 234080, 235401—235405.*virgatum*, 235406.*yaguaronense*, 235407.sp., 234081, 234148—234152,
235408—235416.*Passiflora ligularis*, 234317.*umbilicata*, 230915.Passionflower. See *Passiflora* spp.*Pea, garden. See *Pisum sativum*.Peach. See *Prunus persica*.Peanut. See *Arachis glabrata*.common. See *A. hypogaea*.Pear. See *Pyrus* spp.*birchleaf. See *P. betulaeifolia*.callery. See *P. calleryana*.common. See *P. communis*.willowleaf. See *P. salicifolia*.Peavine. See *Lathyrus* spp.*flatpod. See *L. cicera*.*Pedicularis groenlandica*, 232595.*Pelargonium salmoneum*, 234784.*Pellionia minima*, 235326.*Pennisetum asperifolium*, 233267.*ciliare*, 235120.*orientale*, 235121.*Penstemon confertus*, 232596.*ellipticus*, 232597.*lyallii*, 232598.*palmeri*, 232599.Pepper, black. See *Piper nigrum*.*Persea alba*, 234241, 234242.*americana*, 231823, 231881—231885,
233688, 234243, 234281.*Peucedanum japonicum*, 235306.*Phajus maculatus*, 235974.var. *minor*, 235972.

sp., 235987.

Phalaris (hybrids), 231315, 233707.*aquatica*, 232088, 233716.*arundinacea*, 234694—234698,
234780, 234790, 235023, 235482—
235485, 235545—235547, 235551.*brachystachys*, 231044.*coerulescens*, 233824.*minor*, 231045, 234647.*paradoxa*, 233268.*Phaseolus aconitifolius*, 233727.*angularis*, 231460, 231461.*aureus*, 233022.*coccineus*, 234629.*lunatus*, 234256.*mungo*, 233023, 233728.*vulgaris*, 232074—232076, 234257—
234261.

sp., 231462.

Philadelphus microphyllus, 233562.

- Phleum alpinum*, 232345.
paniculatum, 234724.
pratense, 231769-231777, 234444,
 234445, 234699, 235024, 235548.
Phoebe parosa, 234159.
Photinia glabra, 231950.
villosa var. *laevis*, 235513.
Phyllostachys viridis, 233849.
Physalis peruviana, 232077.
Picea abies, 232718, 232719, 233305,
 233306.
brachytyla, 232720.
glehnii, 230966.
likiangensis, 232721.
Pieris villosa, 231849.
Pigeonpea. See *Cajanus cajan*.
Pine. See *Pinus* spp.*
aleppo. See *P. halepensis*.
 Austrian. See *P. nigra*.
 Korean. See *P. koraiensis*.
 Scotch. See *P. sylvestris*.
 Stone, Italian. See *P. pinea*.
 Swiss. See *P. cembra*.
 White, Japanese. See *P. parvi-
 flora*.
yunnan. See *P. yunnanensis*.
Pineapple. See *Ananas comosus*.
Pinus cembra, 232722.
gerardiana, 232723.
griffithii, 231755.
halepensis, 233296.
 × *holfordiana*, 232724.
koraiensis, 230967.
nigra, 233297.
parviflora, 233183.
pinea, 233298, 233825.
sylvestris, 232668, 232669, 232674,
 232725, 232843-232846, 233550.
tabulaeformis var. *densata*, 232726.
yunnanensis, 232727.
sp., 232010, 234648.
Piper nigrum, 235795, 235796.
Piptadenia peregrina, 231795.
Pistacia khinjuk, 233875.
mutica, 233876.
vera, 231428-231439.
Pistache, common. See *Pistacia vera*.
 Egyptian. See *P. khinjuk*.
Pisum sativum, 234203, 234262, 234263,
 235356.
Pittosporum hosmeri, 230916.
Platymiscium pinnatum, 232856.
Pleiospermium alatum, 231073.
Plum, common. See *Prunus domestica*.
 Myrobalan. See *P. cerasifera*.
Plumeria obtusa, 234733.
Poa alpina, 235491, 235492.
ampla, 232346.
bulbosa, 233826.
canbyi, 232347.
juncifolia, 232348.
nervosa, 232349, 232352.
nevadensis, 232350.
palustris, 232351.
pratensis, 231719-231721, 234484,
 234781, 235486-235490.
Poa alpina—Continued
sp., 231722, 234067, 235493, 235494.
Podocarpus nagi, 235267, 235432.
Podophyllum emodi, 231850.
Poisonvetch, narrowleaf. See *Astra-
 galus pectinatus*.
Polygala virgata, 230917.
Polypodium sp., 235772.
Poplar. See *Populus* spp.*
 Chinese. See *P. lasiocarpa*.
Poppy, corn. See *Papaver rhoeas*.
 opium. See *P. somniferum*.
Populus × *canadensis* var. *marilandica*,
 231974.
 var. *regenerata*, 231975.
 var. *serotina*, 231978, 231979.
 × *gelrica*, 231972.
lasiocarpa, 232728.
manitobensis, 231973.
 × *robusta*, 231971, 231976, 231977.
tremula, 232002, 232782.
 × *vernirubens*, 2311980.
Potato. See *Solanum tuberosum*.
Potentilla alpestris, 234071.
Pourouma cecropiaefolia, 234785.
Privet, border. See *Ligustrum obtusi-
 folium*.
Proso. See *Panicum miliaceum*.
Prunus (hybrids), 231454, 231455,
 232731, 232865-232868, 232869-
 232871, 233133-233136.
armeniaca, 231723-231726, 231807,
 231808, 231880, 233127, 233128,
 235994.
avium, 231664-231683, 231791-
 231793, 231805, 231955, 231965,
 232819, 233129, 233172-233175,
 233839-233841, 234326, 234341.
cerasifera, 232783.
cerasus, 231966.
domestica, 231803, 233176-233178.
incisa, 232729.
pedunculata, 233130.
persica, 234193-234198.
prostrata, 232730.
serotina var. *salicifolia*, 233915.
serrulata, 231125, 234312.
subhirtella, 231126.
tenella, 2331131.
tomentosa, 233132.
zippelliana, 235268.
Pseudopogonatherum irritans, 235711-
 235713.
sp., 235714.
Pseudotsuga japonica, 232732.
Psilotum nudum, 235269, 235757,
 235975, 236130-236140.
sp., 235293-235302.
Psoralea bituminosa, 233269.
Pteris cretica var. *albo-lineata*, 235270.
Pueraria phaseoloides, 235636.
 Pumpkin. See *Cucurbita pepo*.
Purshia tridentata, 232600, 232601.
Pyracantha sp., 231970.
Pyrethrum. See *Chrysanthemum
 cinerariaefolium*.

- Pyrrosia lingua*, 235271.
Pyrus (hybrids), 231288-231293.
 betulaefolia, 233159.
 calleryana, 233634.
 communis, 231796-231802, 231806,
 231809-231812, 231889, 232872,
 232873, 233107, 233108, 233160,
 233179.
 salicifolia, 231144.
 serotina, 235575, 235634.
Quamoclit coccinea, 234802, 235350,
 235549.
 lobata, 234394.
 pennata, 234803.
Quercus glauca, 235514.
 sessilifolia, 231072.
 wrightii, 235433.
 Quince. See *Cydonia oblonga*.
 flowering. See *Chaenomeles*
 japonica.
 Quinoa. See *Chenopodium quinoa*.
Radermachera sinica, 233577.
 Ramie. See *Boehmeria nivea*.
Randia dumetorum, 230918.
 maculata, 233974.
 Rape. See *Brassica napus*.
Raphia vinifera, 235638.
Raphiolepis umbellata, 235434.
 Rasperry, roseleaf. See *Rubus rosae-*
 folius.
Ratibida columnaris, 232602.
Rauwolfia cafra, 233587.
 cambodiana, 235797.
 serpentina, 231463, 235798.
 sumatrana, 235799.
 viridis, 231255.
 vomitaria, 231173, 231212, 231237,
 231317.
 Redpepper. See *Capsicum frutescens*.
 Redtop. See *Agrostis alba*.
Rhamnus sp., 231427, 234649, 234650,
 234675.
Rheum (hybrids), 235532, 235533.
 rhaponticum, 234630.
Rhododendron (hybrids), 231390-231407.
 indicum, 235758.
 japonicum, 232011, 234949, 235138,
 235139.
 javanicum, 233975.
 kiusianum, 231951, 235976.
 obtusum, 231952.
 f. *japonicum*, 235813-235817.
 pulchrum, 235984.
 serpyllifolium, 235327.
 sp. 235977-235983.
 Rhubarb. See *Rheum* spp.
 common. See *R. rhaponticum*.
Rhynchosia sp., 233052.
Ribes alpinum, 232733.
 sanguineum, 231794.
 f. *atrorubens*, 231216.
 Rice. See *Oryza* spp.*
 broadleaf. See *O. latifolia*.
 common. See *O. sativa*.
Ricinus communis, 232858.
Rohdea japonica, 236118-236124.
Rosa (hybrids), 232603, 233919, 233920,
 233923, 233924, 233926-233928.
 acicularis var. *sejiana*, 232604.
 centifolia, 233921.
 chinensis, 233922.
 laevigata, 233925.
 multiflora, 235140.
 nuttiana, 232605.
 pisocarpa, 232606.
 rosetti, 233184.
 rugosa, 235105, 235106.
 wichuriana var. *poterifolia*, 235435.
 woodsii, 232607-232610.
 sp., 232611, 232613, 234824.
Roscoea alpina, 231142.
 humana, 231143.
 Rose. See *Rosa* spp.
 Cherokee. See *R. laevigata*.
 Chinese. See *R. chinensis*.
 Japanese. See *R. multiflora*.
 Nutmeg. See *R. nutkana*.
 Rugosa. See *R. rugosa*.
 Woods. See *R. woodsii*.
 Rose-apple. See *Eugenia jambos*.
 Rosemallow, cotton. See *Hibiscus*
 mutabilis.
Rottboellia exaltata, 235715.
 formosa, 235716, 235717.
 Rubber tree. See *Hevea* spp.*
 Para. See *H. brasiliensis*.
Rubus (hybrids), 231836, 232662,
 232663.
 florulentus, 234279.
 geoides, 236009, 236102.
 rosaefolius, 233933.
Rumex acetosa, 233653.
 acetosella, 232827.
 andreaanus, 234454.
 aquaticus, 233654.
 conglomeratus, 235107.
 crispus, 232828, 232848.
 cyprius, 235108.
 lunaria, 232664, 232881, 232882.
 orientalis, 233655.
 papilio, 232849.
 patientia, 233656.
 pulcher, 233657, 235109.
 triangulivalvis, 233658.
 vesicarius, 233016.
 var. *rhodophylla*, 232665,
 232883.
 sp., 233659.
Rumohra aristata, 235272.
 Russian-olive. See *Elaeagnus angusti-*
 folia.
 Rush. See *Juncus* spp.*
Ruttya sp., 230919.
 Rye. See *Secale cereale*.
Saccharum (hybrids), 231074-231085,
 232742-232749, 232976-232982,
 233024, 233025, 233150, 233151,
 233625-233627, 233647-233651,
 233817, 234337-234340, 234432-
 234436, 234437, 234495-234514,
 234560-234572, 234577-234581,
 235193-235198, 235675, 235676.

Saccharum—Continued

spontaneum, 235576, 235883–235890.

Saccopetalum tomentosum, 231196.

Safflower. See *Carthamus tinctorius*.

Sagenia sp., 235759.

Sainfoin. See *Onobrychis* spp.*

Salix acutifolia, 232734.

alba var. *calva*, 232784.

cordata, 232735.

daphnoides, 232736.

fargesii, 232737.

lanata, 232738.

petrophila, 232614–232617.

reticulata, 232739.

retusa, 232740.

Saltbush. See *Atriplex* spp.*

Mediterranean. See *A. halimus*.

Sambucus canadensis, 235534.

nigra, 235535.

Sandalwood. See *Santalum album*.

Sandbur. See *Cenchrus setigerus*.

Sanguisorba minor, 233717, 234049, 234485, 234486.

sp., 234651, 234825, 234964.

Sansevieria cylindrica, 232983.

deserti, 234220, 234221.

grandis, 234222, 234223.

longiflora, 234224.

scabrifolia, 234225, 234226.

thyrsiflora, 232984.

trifasciata var. *laurentii*, 232985.

sp., 234227–234232.

Santalum album, 231197.

Sarcococca saligna, 231253, 231851.

Saxifraga arguta, 232618.

fortunei, 236018.

Saxifrage, brook. See *Saxifraga arguta*.

Scabiosa japonica, 235141.

Schefflera digitata, 235291.

Schima noronhai, 233578.

Schisandra chinensis, 235142.

Schizachyrium obliquiberbe, 235718.

pachyarthron, 235719.

sp., 235720.

Sciadopitys verticillata, 235515.

Scilla sp., 234302.

Scorpiurus muricata, 233270.

subvillosa, 233809.

Scurf-pea. See *Psoralea bituminosa*.

Sea-onion. See *Urginea maritima*.

Secale cereale, 232931–232936, 234655–234659, 235536.

Sedge. See *Carex* spp.*

beaked. See *C. rostrata*.

black. See *C. atrata*.

blister. See *C. vesicaria*.

chamisso. See *C. pachystachya*.

Douglas. See *C. douglasii*.

elk. See *C. geyeri*.

golden. See *C. aurea*.

green. See *C. viridula*.

inland. See *C. interior*.

Kellogg. See *C. kelloggii*.

mud. See *C. limosa*.

Nebraska. See *C. nebraskensis*.

Sedge—Continued

Ross. See *C. rossii*.

slenderbeak. See *C. athrostachya*.

smallwing. See *C. microptera*.

water. See *C. aquatilis*.

woolfruit. See *C. lasiocarpa*.

woolly. See *C. lanuginosa*.

Schima nervosum, 235721, 235722.

Selaginella uncinata, 235760.

Senecio doria, 233645.

Senna. See *Cassia* spp.*

Serviceberry. See *Amelanchier alnifolia*.

Sesame. See *Sesamum indicum*.

Sesamum indicum, 231032–231038,

234424–234428, 234455.

Sesbania bispinosa, 231915.

parlensis, 235029.

sesban, 233551.

sp., 231916.

Setaria italica, 231732–231737.

sp., 234410.

Sieglingia decumbens, 234722.

Silktree. See *Albizia julibrissin*.

Sinarundinaria murielae, 231051.

nitida, 231052.

Sitanion hystrix, 232353.

Skimmia wallichii, 231852.

Snowbell. See *Styrax hookeri*.

Solanum (hybrids), 233695–233697, 234589, 234590.

acaule, 233958.

ahanhuiri, 233980.

alticolum, 233959.

andigenum, 232839–232842,

233110–233118, 233981–234002,

234584–234586.

anomolocalyx, 234003.

boliviense, 233960.

brevicaule, 233961.

chaucha, 234004.

colombianum, 233119.

curtilobum, 234005.

gandarillasii, 233962.

hyporhodium, 234772.

infundibuliforme, 233122.

medians, 233123.

megistacrolobum, 233124, 233125, 233963.

melongena, 232078, 232079, 233916, 234631, 234632.

oplocense, 233690, 233964.

rybinii, 233120, 233121, 234587, 234588.

setulosistylum, 233691.

sparsipilum, 233692, 233693.

stenotomum, 234006–234013.

subandigenum, 233965.

sucrense, 233694.

sudanense, 233966.

tuberosum, 230993, 231822, 231855, 231856, 232036–232064, 234591–234593.

vallegrandense, 234014.

sp., 231030, 231031, 234015.

- Sophora microphylla*, 233661.
tetraptera, 230920.
violacea, 233971.
Sorbus rufo-ferruginea, 235143.
Sorghum australiense, 235723.
brevicallosum, 235724.
intrans, 235725.
laxiflorum, 235726, 235727.
membranaceum, 233304.
nitidum, 235728.
plumosum, 235729-235731.
stipoides, 235732.
sudanense, 232937.
technicum, 232938, 232939.
vulgare, 234456, 234457, 235614.
sp., 233126, 235122.
 Sorrel, garden. See *Rumex acetosa*.
sheep. See *R. acetosella*.
 Sourclover. See *Melilotus indica*.
 Soybean. See *Glycine max*.
 Spearmint. See *Mentha spicata*.
Spiranthes sp., 233739.
 Spruce. See *Picea spp.**
 Norway. See *P. abies*.
 Sakhalin. See *P. glehnii*.
 Squash. See *Cucurbita maxima*.
 Squirreltail, bottlebrush. See *Sitanion hystrix*.
 Starglory, crimson. See *Quamoclit lobata*.
 cypressvine. See *Q. pennata*.
 scarlet. See *Q. coccinea*.
Stauntonia hexaphylla, 235635.
 Stauntonvine, Japanese. See *Stauntonia hexaphylla*.
Stereospermum kunthianum, 230921.
Stipa californica, 232354.
 fontanesii, 233271.
 lemmoni, 232355, 232356.
 occidentalis, 232357.
 sp., 232358.
Stizolobium sp., 231917.
 Strawberry. See *Fragaria spp.**
 Chiloe. See *F. chilensis*.
Strychnos potatorum, 230922.
Styrax hookeri, 231853.
 Sugarcane. See *Saccharum spp.**
 Sunflower. See *Helianthus annuus*.
 Supplejack, Japanese. See *Berchemia racemosa*.
Sutherlandia frutescens, 234398.
 Sweetclover. See *Melilotus messanensis*.
 white. See *M. alba*.
 yellow. See *M. officinalis*.
 Sweetleaf. See *Symplocos spp.**
 Sweetpotato. See *Ipomoea batatas*.
 Sweetvetch. See *Hedysarum sulphurescens*.
Swinglea glutinosa, 231241.
Symphytum officinale, 233329.
Symplocos glauca, 235328.
 lucida, 235985.
 prunifolia, 235329.
 theophrastaefolia, 235330.
Talauma hodgsonii, 231854.
 Tanglehead. See *Heteropogon spp.**
Taxillus yadoriki, 235761.
 Tea. See *Camellia sinensis*.
Tecomaria garrocha, 235524.
 nyassae, 230923.
 Teosinte, Mexican. See *Euchlaena mexicana*.
Tephrosia candida, 231918.
 sp., 231919, 233833.
Teramnus uncinatus, 231920.
 Terebinth. See *Pistacia mutica*.
Ternstroemia moko, 235436.
Thalictrum aquilegifolium, 231164.
 delavayi, 231165.
 dunense, 231166, 231167.
 flavum, 231168.
 foetidum, 231169.
 glaucum, 231170.
 lucidum, 231171.
Theobroma cacao, 231220-231226,
 231359, 232750-232775, 233064,
 234323, 234408, 234531-234557,
 234582, 234583, 235585-235591,
 235674.
Thermopsis xylorrhiza, 232619.
Thunbergia alata, 233588.
 Tickclover. See *Desmodium spp.**
 Timothy. See *Phleum pratense*.
 Alpine. See *P. alpinum*.
 British. See *P. paniculatum*.
Tisserantodendron chevalieri, 230924.
 Tobacco. See *Nicotiana spp.**
 common. See *N. tabacum*.
 Tomato. See *Lycopersicon esculentum*.
 Towelgourd, Singkwa. See *Luffa acutangula*.
Trachelospermum asiaticum var. *oblan-*
 ceolata, 235331.
 Tree-clethra. See *Clethra barbinervis*.
 Trefoil. See *Lotus spp.**
 birdsfoot. See *L. corniculatus*.
Trichomanes sp., 235788, 235988.
Trichosanthes anguina, 235034.
Tricyrtis flava, 235332.
 formosana, 236019.
 macropoda, 235333.
Trifolium africanum, 233185, 234773.
 agrarium, 234834, 234908-234911.
 alexandrinum, 233811, 233830.
 alpinum, 234068.
 ambiguum, 231890, 231891.
 angustifolium, 234652.
 campestre, 233272, 233718, 234725,
 234726, 234761, 234762, 234835.
 cherleri, 233273.
 clypeatum, 233274.
 curvisepalum, 233275.
 dichroanthum, 233276.
 formosum, 233277.
 fragiferum, 231041, 231043, 231086,
 234293, 234700.
 hirtum, 233719, 234050, 234763,
 234764.
 hybridum, 234701, 234791, 234912,
 234913, 234915, 234954.
 incarnatum, 232940, 233812.
 lappaceum, 233278, 234727.

Trifolium africanum—Continued

- latifolium*, 232620.
medium, 234916–234920, 235039.
meneghianum, 235521.
montanum, 233748, 234914, 234940.
nigrescens, 233723.
palaestinum, 233279.
parryi, 232621.
pitulare, 233280.
polymorphum, 233554.
pratense, 231778–231783, 232101–232108, 232114, 232941, 233740–233745, 233827–233829, 233831, 234069, 234446–234449, 234487, 234488, 234653, 234676, 234702–234703, 234728, 234782, 234792, 234826, 234827, 234836–234839, 234921–234933, 234941, 234955–234959, 235246, 235836–235877.
purpureum, 233286.
repens, 231784–231790, 231921, 232109–232113, 232942, 233746, 233747, 233813, 234264, 234265, 234294, 234400–234407, 234450, 234489–234491, 234677–234680, 234765, 234793, 234828, 234840, 234934–234939, 234460, 234961, 235116, 235126.
resupinatum, 233814.
ruppellianum, 234411.
rydbergii, 232622–232626.
scabrum, 233281.
semipilosum, 234412.
squarrosus, 233720, 233810, 233815.
stellatum, 233282, 233721.
subterraneum, 233866–233874, 234295–234298.
tomentosum, 233283, 233722, 234729.
vesiculosum, 233782, 233816, 234310.
xerocephalum, 233285, 233287.
sp., 233057, 233058, 233284, 233749, 234070, 234413, 234730.
Trigonella arabica, 234666.
suavissima, 233561.
Tripsacum sp., 233897, 233898, 233899, 233900, 233901, 233902, 233903, 233904, 233905, 233906, 233907.
Trisetum canescens, 232359.
flavescens, 234783, 235458.
Triticum (hybrids), 235640–235642.
aestivum, 231115–231122, 231131–231134, 231305–231314, 231357, 231360–231381, 231424–231426, 232785–232814, 232815–232817, 232857, 232875, 232943–232955, 233203–233211, 233701, 233763–233780, 234161–234191, 234233–234239, 234359–234368, 234380–234388, 234707, 234831, 234832, 234855–234867, 234962, 234963, 234968, 235159, 235160, 235161–235164, 235220–235239, 235579, 235580, 236026.
dicoccoides var. *spontaneonigrum*, 233288.

Triticum—Continued

- dicoccum*, 234868.
durum, 231356, 231358, 233212–233214, 234869–234871.
sp., 234872, 234873.
Tropidia nipponica, 235986.
Tsuga sieboldii, 235516.
Tubocapsicum anomalum, 235517.
Tutcheria virgata, 231056.
Udo. See *Aralia cordata*.
Ulmus americana, 232741.
Umbrella-pine. See *Sciadopitys verticillata*.
 (Undetermined), 231070, 234324, 235519, 235520, 235762, 235763, 235764, 235765, 235766, 235767, 235769, 235770, 235789, 235790, 235791, 235792, 235793, 235794.
Urd. See *Phaseolus mungo*.
Urginea maritima, 233700.
Urochloa mosambicensis, 233929.
Vancouveria hexandra, 232627.
Vetch. See *Vicia* spp.*
American. See *V. americana*.
bird. See *V. cracca*.
bitter. See *V. ervilia*.
common. See *V. sativa*.
hairy. See *V. villosa*.
Hungarian. See *V. pannonica*.
narrowleaf. See *V. angustifolia*.
woollypod. See *V. dasycarpa*.
Vetiveria filipes, 235733.
Viburnum cylindricum, 231341.
erosum, 235437.
harryanum, 231342.
japonicum, 235518.
plicatum var. *mariesii*, 231254.
trilobum, 236083.
Vicia americana, 232628.
amoena, 235079.
angustifolia, 234830.
 var. *segetalis*, 234654.
cracca, 234266, 235080–235082, 235097.
dasycarpa, 234051.
ervilia, 235354.
faba, 234633, 234634.
graminea, 231420, 231450.
grandiflora, 235735.
lutea, 234731.
nigricans, 234829.
pannonica, 232956.
peregrina, 234766.
sativa, 232957, 234052, 234492, 234965, 235355.
villosa, 232958, 232959, 234053.
sp., 234704, 235083, 235084, 235085.
Vigna sinensis, 235025.
Virgilia oroboides, 231701.
Vitiphoenix sessilifolia, 231217.
Vitis (hybrids), 231351–231355, 231467, 231660–231662, 231813–231820, 232089–232096, 233047.
davidii, 231145.

Vitis—Continued*vinifera*, 233785–233790.Walnut, Persian. See *Juglans regia*.Watermelon. See *Citrullus vulgaris*.Wheat. See *Triticum* spp.*common. See *T. aestivum*.*durum*. See *T. durum*.Wildrye. See *Elymus* spp.*blue. See *E. glaucus*.Canada. See *E. canadensis*.creeping. See *E. triticoides*.Willow. See *Salix* spp.*heartleaf. See *S. cordata*.netleaf. See *S. reticulata*.notchleaf. See *S. retusa*.sharpleaf. See *S. acutifolia*.skyland. See *S. petrophila*.white. See *S. alba* var. *calva*.Winterfat, common. See *Eurotia**lanata*.Wintergreen, Miquel. See *Gaultheria*
miqueliana.*Withania coagulans*, 232004.Woodbetony. See *Pedicularis* spp.*Woodrush. See *Luzula* spp.*millet. See *L. parviflora*.*Xylothea kotzei*, 234399.Yam. See *Dioscorea* spp.*Yeddo-hawthorn. See *Raphiolepis*
umbellata.Yerba mate. See *Ilex paraguariensis*.*Zea mays*, 231178–231193, 231227,
231228, 231276–231283, 231296–
231302, 231738–231749, 232666,
232667, 232960–232975, 233000–
233015, 233162–233171, 233290–
233292, 233312–233323, 233330–
233337, 233339–233537, 233539–
233548, 233668–233687, 233758–
233762, 234267, 234767, 235282,
235283, 235288, 235289.*Zinnia* sp. 233628–233633.*Zizyphus xylopyrus*, 231198.*Zoysia japonica*, 231389, 235334.
matrella, 231146.

Plant Inventory No. 165

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., April 1966



PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1957 (NOS. 236143 TO 244732)

CONTENTS

	Page
Inventory-----	3
Index of common and scientific names-----	384

This inventory, No. 165, lists the plant material (Nos. 236143 to 244732) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period January 1 to December 31, 1957. From 1954 to 1957, the branch was known as the Plant Introduction Section, Horticultural Crops Research Branch, Agricultural Research Service, United States Department of Agriculture. The inventory is a historical record of plant material introduced for Department and other specialists, and is not to be considered as a list of plant material for distribution.

EUGENE GRIFFITH
and
HOWARD L. HYLAND,
Botanists.

*Plant Industry Station,
Beltsville, Md.*

I N V E N T O R Y

236143. DIOSPYROS KAKI L. Diospyraceae. Oriental persimmon.

From Japan. Scions held at the U.S. Plant Introduction Station, Glenn Dale, Md. Numbered Jan. 2, 1957.

No. 796. 'Tamopan'. From the National Agricultural Experiment Station, Hiratsuka. Dec. 20, 1956. Originally selected from a type growing wild in central China.

236144 to 236155.

From the Netherlands. Plants presented by the Proefstation Bloemisterij, Aalsmeer. Received Jan. 2, 1957.

236144. ROSA sp. Rosaceae.

'Broogs'.

236145. ROSA CANINA L.

Dog rose.

236146. ROSA sp.

'Ileinsands Record'.

236147. ROSA FRANCOFURTANA Muenchh.

236148. ROSA sp.

'Lasca'.

236149. ROSA MULTIFLORA Thunb.

Japanese rose.

236150. ROSA sp.

'Pfander'.

236151. ROSA sp.

'Pollmeg'.

236152. ROSA EGLANTERIA L.

Sweetbrier.

236153. ROSA sp.

'Sennfs'.

236154. ROSA sp.

'Small Ideal'.

236155. ROSA sp.

'Success'.

236156. CHRYSANTHEMUM (hybrid). Asteraceae.

From Great Britain. Cuttings presented by the Research Institute of Plant Physiology, Rothamsted Experiment Station, West Hertsford, England. Received Jan. 2, 1957.

'Sunbeam'.

236157. MONTRICHARDIA ARBORESCENS (L.) Schott Araceae.

From Surinam. Seeds presented by the Landbouwproefstation Cultuuruinlaan, Paramaribo. Received Jan. 2, 1957.

236158 to 236207. CHRYSANTHEMUM (hybrids). Asteraceae.

From Japan. Plants collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md.
Received Jan. 2, 1957.

From S. Takahaski, Ki-Machi, Mishima City.

- 236158.** 'Ashina-no-yuki'. White.
- 236159.** 'Arima-no-aki'. Light brown.
- 236160.** 'Benitaiyo'.
- 236161.** 'Daj Kokka'. Red.
- 236162.** 'Fukusuke'. Pink.
- 236163.** 'Furusato-no-tsuki'. Yellow.
- 236164.** 'Hanachidori'. Reddish yellow.
- 236165.** 'Hatsugari-no-koe'. Yellow.
- 236166.** 'Himekomachi'. Light purple red.
- 236167.** 'Hototogisu'. Yellow.
- 236168.** 'Itsukishima-no-kei'. Purple.
- 236169.** 'Kinen-no-sakura'. Pink.
- 236170.** 'Kintaro'. Yellow.
- 236171.** 'Kishi'. Yellow.
- 236172.** 'Kogen-no-tsuki'. White.
- 236173.** 'Kokaji'. Yellow.
- 236174.** 'Kokka'. White.
- 236175.** 'Konan'. Brocade.
- 236176.** 'Kumoi'. White.
- 236177.** 'Kyukatyo'. Pink.
- 236178.** 'Mangetsu-no-shirabe'. Yellow.
- 236179.** 'Momokanoko'. Pink.
- 236180.** 'Nishiki-no-sode'. Yellow.
- 236181.** 'Ogon-no-izumi'. Yellow.
- 236182.** 'Rosei-no-yume'. Light pink.
- 236183.** 'Sanyo-no-tsuki'. Yellow.
- 236184.** 'Sanyo-no-yuki'. White.
- 236185.** 'Seiki-no-hanna'. White.
- 236186.** 'Seikokinesei 1'. Yellow.
- 236187.** 'Seikokinesei 2'. Yellow.
- 236188.** 'Shiga-no-hikari'. Purple.
- 236189.** 'Shiga-no-miyako'. Pink.
- 236190.** 'Shikinran'. Red.
- 236191.** 'Shinnen-no-yuki'. White.
- 236192.** 'Shinroku-no-shiori'. Pink.
- 236193.** 'Shinroku-no-sugata'. Pink.
- 236194.** 'Shinroku-no-yamabuki'. Yellow.
- 236195.** 'Susomoyo'. White.
- 236196.** 'Syokasen'. White.

236158 to 236207—Continued

236197. 'Syowa-no-sakae'. Yellow.
 236198. 'Taiheiraku'. Yellow.
 236199. 'Taiho-no-hana'. Red.
 236200. 'Taiho-no-mine'. White.
 236201. 'Taiho-no-tsuki'. White.
 236202. 'Takachibo'. Yellow.
 236203. 'Tamadsuki'. Pink.
 236204. 'Tenshi'. White.
 236205. 'Tsuki-no-miyako'. White.
 236206. 'Yume-no-kayoifi'. Light pink.
 236207. 'Zyugoya'. White.

236208. CINNAMOMUM LOURIERII Nees Lauraceae.**Cassiaflower-tree.**

From Japan. Plants obtained through Fritsche Brothers, New York City.
 Received July 3, 1965. Numbered Jan. 2, 1957.

236209. FICUS ARISANENSIS Hayata Moraceae.**Fig.**

From China. Seeds presented by the Department of Horticulture, National Taiwan University, Taipei, Taiwan. Received Jan. 3, 1957.

Received as *F. foveolata* var. *arisanensis*.

236210 to 236254.

From Japan. Plants collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md.
 Received Jan. 3, 1957.

Horticultural varieties of plants purchased from Nakada Nursery, Angyo, Kawaguchi, Saitamaken.

236210 and 236211. AUCUBA JAPONICA Thunb. Cornaceae. Japanese aucuba.

236210. No. 1. Variegated.

236211. No. 2. Variegated.

236212. ARDISIA CRISPA (Thunb.) Blume Myrsinaceae. Coral ardisia.**236213 to 236221. CAMELLIA SASANQUA Thunb. Theaceae.****Sasanqua camellia.**

236213. 'Ginryu'.

236218. 'Setugetuka'.

236214. 'Hiya-asobi'.

236219. 'Setsusan'.

236215. 'Motio-no-sio'.

236220. 'Showa-no-sakae'.

236216. 'Negi-si-beni'.

236221. 'Tuki-no-kasa'.

236217. 'Oho-mi-goromo'.

236222. CHAMAECYPARIS PISIFERA (Sieb. & Zucc.) Endl. Pinaceae.**Sawara retinospora.**

'Squarrosa'. Variegated.

236223 to 236232. CRYPTOMERIA JAPONICA (L.f.) D. Don Pinaceae.**Common cryptomeria.**

236223. 'Araucarioides'.

236228. 'Spinolis'.

236224. 'Cristata'.

236229. 'Taisho-tamasugi'.

236225. 'Ikari-sugi'.

236230. 'Yoshino-sugi'.

236226. 'Jindai-sugi'.

236231. Dwarf 1.

236227. 'Ogon-sugi'.

236232. Dwarf 2.

236210 to 236254—Continued

236233. *ILEX CRENATA* var. *NUMMULARIA* (Franch. & Sav.) Yatabe
Aquifoliaceae. **Holly.**
236234. *ILEX CRENATA* Thunb. **Japanese holly.**
'Sirofokurin'.
- 236235 and 236236. *JUNIPERUS CHINENSIS* L. Pinaceae. **Chinese juniper.**
236235. 'Ogon-ibuki'.
236236. 'Tama-ibuki'.
236237. *MAHONIA FORTUNEI* (Lindl.) Fedde Berberidaceae.
- 236238 and 236239. *NANDINA DOMESTICA* Thunb. Berberidaceae.
236238. 'Goshiki Nanten'.
236239. 'Sasaba Nanten'.
236240. *OSMANTHUS FRAGRANS* Lour. Oleaceae.
236241. *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green
'Ogon Hiragi'.
236242. *PACHYSANDRA TERMINALIS* Sieb. & Zucc. Buxaceae.
'Variegata'.
236243. *TAXUS CUSPIDATA* var. *UMBRACULIFERA* Makino Taxaceae.
- 236244 and 236245. *TERNSTROEMIA GYMNANTHERA* (Wight & Arn.) Sprague
Theaceae.
236244. 'Hagikano'. Variegated.
236245. 'Magohachi'. Variegated.
- 236246 and 236247. *CAMELLIA SINENSIS* (L.) Kuntze Theaceae. **Tea**
236246. 'Microphylla'.
236247. 'Rosa' ('Beni-bana-cha').
- 236248 and 236249. *THUJOPSIS DOLABRATA* (L.f.) Sieb. & Zucc. Pinaceae.
False-arborvitae.
236248. 'Nana'.
236249. 'Variegata'.
236250. *TRACHELOSPERMUM ASIATICUM* Nakai Apocynaceae.
'Hatuyuki-katura'. Leaves of several colors.
236251. *VIBURNUM ODORATISSIMUM* Ker. Caprifoliaceae. **Sweet viburnum.**
'Variegata'.
- 236252 to 236254. *ZELKOVA SERRATA* (Thunb.) Makino Ulmaceae.
Sawleaf zelkova.
236252. 'Furi-keaki'. Variegated.
236253. 'Shidare-keaki'. Weeping.
236254. 'Tukumo-keaki'. Dwarf.

236255 to 236265.

From Japan. Plants collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md.
Received Jan. 3, 1957.

236255 to 236265—Continued

236255. *ANGELICA MAYEBARANA* (Koidz.) Kitagawa Apiaceae.

Kagoshima University Botanic Garden, Kyushu. Herb with columbine-like leaves; flowers white, in umbel.

236256 to 236259. *BRASSICA OLERACEA* var. *VIRIDIS* L. Brassicaceae. **Kale.**

From T. Sakata, Yokohama.

236256. Ornamental type. 'White Nagoya'.

236257. Ornamental type. 'Red Nagoya'.

236258. Ornamental type. 'White Tokyo'.

236259. Ornamental type. 'Red Tokyo'.

236260. *DISTYLUM RACEMOSUM* Sieb. & Zucc. Hamamelidaceae.

Forest of Gegu Shrine, Ise City, Mie Prefecture. Evergreen tree.

236261. *DIOSPYROS LOTUS* L. Diospyraceae.

Datep um.

National Agricultural Research Station, Hiratsuka.

236262. *HEMEROCALLIS* sp. Liliaceae.

Yatsugatake Mountains. Elevation 2,400 feet. Wild.

236263. *HEMEROCALLIS THUNBERGII* Baker

Yatsugatake Mountains. Elevation 3,600 feet. Wild.

236264. *PYRUS SEROTINA* Rehder Malaceae.

Collected near Tomiuska, Yokohama.

236265. *SPIRANTHES OLERACEA* L. Asteraceae.

From the Ministry of Agriculture, Tokyo. Prostrate herbaceous plant; flowers yellow, in buttonlike heads; flowers profusely July and August.

236266 to 236276.

From Puerto Rico. Seeds presented by the Estacion Experimental Agricola, University of Puerto Rico, Castaner. Received Jan. 3, 1957.

236266 to 236273. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

236266 to 236268. 'Geisha; self pollinated.

236266. First row; first plant.

236267. Second row; second plant.

236268. Fourth row; fourth plant.

236269 to 236273. 'Puerto Rican'; open pollinated; selections from private plantations.

236269. No. 11.

236272. No. 401.

236270. No. 78.

236273. No. 578.

236271. No. 298.

236274 and 236275. *COFFEA ARABICA* var. *COLUMNARIS* Cramer

Selections from a variety experiment at Palmares.

236274. No. 22-124.

236275. No. 22-196.

236276. *COFFEA STENOPHYLLA* G. Don

Coffee.

Open pollinated.

236277 to 236297. SORGHUM VULGARE Pers. Poaceae.

From Australia. Seeds presented by the Queensland Department of Agriculture, Regional Experiment Station, Biloela, Queensland. Received Jan. 4, 1957.

- | | |
|------------------------|-------------------------|
| 236277. 'Alpha'. | 236288. X12-6-5-5. |
| 236278. 'Capricorn'. | 236289. X12-14-1-1. |
| 236279. 'Coastland'. | 236290. X12-19-2-2-1-2. |
| 236280. 'Swazi Dwarf'. | 236291. X12-26-2-1-2. |
| 236281. BC7-1-3-1. | 236292. X13-2-1-2-3-1 |
| 236282. BC7-3-1-1-1. | 236293. X13-2-2-1-3-1 |
| 236283. BC7-5-2-2-3. | 236294. X13-17-1-7-4 |
| 236284. BC7-10-3-1. | 236295. X13-20-1-1-2-1. |
| 236285. BC7-23-4-1-1. | 236296. X13-20-2-1-3-2. |
| 236286. X8-6-2-3-8-2. | 236297. X46-8-1-1. |
| 236287. X12-2-3-2. | |

236298 to 236355.

From Great Britain. Seeds presented by Louis K. Mann, Jodrell Laboratory, Royal Botanic Gardens, Kew, Surrey, England. Received Jan. 4, 1957.

236298. ALLIUM AFLATUNENSE B. Fedtsch. Liliaceae.**236299 to 236301. ALLIUM ANGULOSUM L.**

236299. No. 1.

236300. No. 2.

236301. No. 3.

236302. ALLIUM BEESIANUM W. W. Smith

236303. ALLIUM CAMPANULATUM S. Wats.

236304. ALLIUM CYANEUM Regel

236305 and 236306. ALLIUM CYATOPHORUM var. FARRERI Bur. & Franch.

236305. No. 1.

236306. No. 16A.

236307. ALLIUM ELATUM Regel

236308. ALLIUM FISTULOSUM L.

Welch onion.

236309. ALLIUM GIGANTEUM Regel

236310. ALLIUM HELDREICHII Boiss.

236311. ALLIUM HYMENORRHIZUM Ledeb.

236312. ALLIUM ANGULOSUM L

236313. ALLIUM KARATAVIENSE Regel

No. 5A.

236314. ALLIUM MACRANTHUM Baker

236315. ALLIUM MARIAE Bordz.

236316. ALLIUM MOLY L.

Lily leek.

236317. ALLIUM NARCISSIFLORUM Vill.

236318. ALLIUM NIGRUM L.

236319. ALLIUM OBLIQUUM L.

236320. ALLIUM OREOPHILUM Meyer

236321. ALLIUM PANICULATUM L.

236298 to 236355—Continued

236322. *ALLIUM PSKEMENSE* B. Fedtsch.

236323. *ALLIUM RAMOSUM* L.

236324. *ALLIUM SCHOENOPRASUM* L.

Chives.

236325. *ALLIUM SICULUM* Ucria

236326. *ALLIUM STELLATUM* Fraser ex Ker.

236327. *ALLIUM STIPITATUM* Regel

236328. *ALLIUM TRIQUETRUM* L.

236329. *ALLIUM URSINUM* L.

236330. *ALLIUM* sp.

No. 1.

236331. *ALLIUM* sp.

No. 2.

236332. *ALLIUM* sp.

No. 3.

236333 to 236335. Originally collected from Kyrenia Range, Cyprus.

236333. *ALLIUM MARGARITACEUM* Sibth. & Sm.

No. 138.

236334. *ALLIUM* sp.

No. 260.

236335. *ALLIUM* sp.

No. 264.

236336. *ALLIUM OBLIQUUM* L.

Originally from Oxford.

236337 to 236348. Originally from Botanic Garden, Edinburgh, Scotland.

236337. *ALLIUM DIOSCORIDIS* Sibth. & Sm.

236338. *ALLIUM KANSUENSE* Regel

236339. *ALLIUM KARATAVIENSE* Regel

236340. *ALLIUM MACRANTHUM* Baker

236341. *ALLIUM MARGARITACEUM* Sibth. & Sm.

236342. *ALLIUM NIGRUM* L.

236343. *ALLIUM OSTROWSKIANUM* Regel

236344. *ALLIUM PLATYSPATHUM* Schrenk

236345. *ALLIUM POLYASTRUM* Diels

236346. *ALLIUM* sp.

No. 3471.

236347. *ALLIUM* sp.

No. S & S 17530.

236348. *ALLIUM* sp.

Collected by Peter Davis, Kew.

236349 to 236352. Originally collected by Evan Guest and Ali Ali-Raur, Iraq.

236349. *ALLIUM* sp.

No. 13934.

236298 to 236355—Continued**236349 to 236352—Continued****236350.** ALLIUM sp.

No. 14196.

236351. ALLIUM sp.

No. 14217.

236352. ALLIUM sp.

No. 14366.

236353. ALLIUM OCHROLEUCUM Waldst. & Kit.

Originally from the Botanical Garden, Munich, Germany.

236354. ZEPHYRANTHES TEXANA Herbert Amaryllidaceae.**Zephyrily.**

Originally from the McGregor Museum, South Africa.

236355. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

From local market, Kew, England.

236356 to 236358. CAMELLIA SINENSIS (L.) O. Kuntze Theaceae.
Tea.

From Japan. Cuttings presented by the Shizuoka Prefectural Tea Experiment Station, Shizuoka. Received Jan. 4, 1957.

236356. 'Horyoke'.**236357.** 'Yabukita'.**236358.** 'Yaeho'.**236359.** MALUS $\times$ PURPUREUS (Barb.) Rehder Malaceae. **Apple.**

From Great Britain. Cuttings presented by R. C. Notcutt, Woodbridge, Suffolk, England. Received Jan. 7, 1957.

'Neville Copeman'. (*M. atrosanguinea* $\times$ *M. pumila* var. *niedzwetzkyana*).**236360 to 236381.**

From the United States. Plants growing at the U.S. Plant Introduction Station, Coconut Grove, Florida. Numbered Jan. 7, 1957.

236360. AGAVE UTAHENSIS var. NEVADENSIS Greenm. & Roush Amaryllidaceae.**236361.** ALBIZZIA sp. Mimosaceae.**236362.** ANTHOCLEISTA ZAMBESIACA Baker Loganiaceae.**236363.** CALLITRIS CUPRESSIFORMIS Vent. Pinaceae.**236364.** CANTHIUM ATTENUATUM R. Br. Rubiaceae.**236365.** CORDIA ANGIOCARPA A. Rich. Boraginaceae.**236366.** COSTUS STENOPHYLLUS Standl. & L. O. Wms. Zingiberaceae.**236367.** DIALIUM GUINEENSE Willd. Caesalpinaceae. **Velvet-tamarind.****236368.** FLACOURTIA INERMIS Roxb. Flacourtiaceae.**236369.** GINORIA GINORIOIDES (Griseb.) Britton Lythraceae.**236370.** HANCORNIA SPECIOSA Gomez Apocynaceae.**236371.** LECYTHIS PISONIS Cambess. Lecythidaceae.**236372.** LICUALA AMPLIFORMIS Miquel Phoenicaceae.**236373.** LOPHANTHERA LACTESCENS Ducke Malpighiaceae.

236360 to 236381—Continued**236374 and 236375.** *MESUA FERREA* L. Clusiaceae.**236374.** No. 14828.**236375.** No. 14887.**236376.** *PITTOSPORUM CONFERTIFLORUM* A. Gray Pittosporaceae.**236377.** *RHOPALOSTYLIS SAPIDA* (Soland.) Wendl. & Drude Phoenicaceae.
Nikau palm.**236378.** *RUBUS* sp. Rosaceae.**236379.** *RUBUS* sp.**236380.** *VEITCHIA JOANNIS* Wendl. Phoenicaceae.**236381.** *WERCKLEA INSIGNIS* Pitt. & Standl. Malvaceae.**236382 to 236388.**From Syria. Collected and presented by the Department of Plant Science,
Edmonton, Alberta, Canada. Received Jan. 8, 1957.**236382.** *HORDEUM* sp. Poaceae.

'Al-Barda No. 45'.

236383. *HORDEUM* sp.

'Arab Blue No. 38'.

236384. *HORDEUM* sp.

'Arab Hauran No. 37'.

236385. *HORDEUM* sp.

'Hijaneb No. 39'.

236386. *HORDEUM* sp.

'Ithabaronse No. 57'.

236387. *HORDEUM* sp.

'Radd River No. 47'.

236388. *HORDEUM* sp.

'Yarmouk Valley No. 49'.

236389. *MICROSERIS SCAPIGERA* (Forst. f.) Sch.-Bip. Asteraceae.From Australia. Seeds presented by the Commonwealth Scientific and Industrial
Research Organization, Canberra. Received Jan. 8, 1957. CS 24. Char-
lotte Pass, Mount Kosciusko, New South Wales.**236390 to 236393.**From French West Africa. Seeds presented by the Station Rizicole, Ouassou,
West French Guinea. Received Jan. 8, 1957.**236390.** *ORYZA BARTHII* A. Chev. Poaceae. Rice.**236391.** *ORYZA BRACHYANTHA* A. Chev. & Roehr. Rice.**236392.** *ORYZA BREVILIGULATA* A. Chev. & Roehr. Rice.**236393.** *ORYZA STAFFII* Roshev. Rice.**236394 to 236396.**From Japan. Seeds presented by the Shikoku Agricultural Experiment Station,
Zentsuji, Kagawa, Shikoku. Received Jan. 8, 1957.**236394.** *LACTUCA DENTICULATA* Maxim. Cichoriaceae. Lettuce.**236395 and 236396.** *LACTUCA SQUARROSA* (Thunb.) Miquel Lettuce.

236397 to 236409.

From Fiji. Presented by the Director of Agriculture, Suva. Received Jan. 8, 1957.

236397 to 236408. *COLOCASIA ESCULENTA* (L.) Schott Araceae. **Dasheen.**
Corms.

236397. 'Daloniu'.	236403. 'Solomoni'.
236398. 'Kurokece'.	236404. 'Tausal Ni Samoa'.
236399. 'Mumu'.	236405. 'Toakula'.
236400. 'Samoa'.	236406. 'Vavai'.
236401. 'Samoa Vulavula'.	236407. 'Vutikoto'.
236402. 'Sikavidamu'.	236408. 'Vutikoto Karakarawa'.

236409. *ISCHAEMUM ARISTATUM* L. Poaceae. 'Batiki bluegrass'. (Seeds).

236410 to 236417.

From Sweden. Seeds presented by the Swedish Seed Association, Uppsala. Received Jan. 8, 1957.

236410. <i>MEDICAGO SATIVA</i> var. <i>GLUTINOSA</i> (Bieb.) Urban Fabaceae.	Alfalfa.
236411. <i>MEDICAGO HEMICYCLA</i> Grossh.	Medic.
236412. <i>MEDICAGO SOGDIANA</i> Vassilcz.	Medic.
236413. <i>MEDICAGO FALCATA</i> L.	Yellow-flowered alfalfa.
236414. <i>MEDICAGO TIANSHANICA</i> Vassilcz.	Medic.
263415. <i>MEDICAGO TRANSOXANA</i> Vassilcz.	Medic.
236416. <i>MEDICAGO</i> sp.	

U-0611.

236417. *MEDICAGO* sp.

U-0615.

236418. *COFFEA* sp. Rubiaceae.

From Cambodia. Seeds presented by the Agricultural and Natural Resources Division, United States Operations Mission, Phnom Penh. Received Jan. 8, 1957.

236419 and 236420.

From Japan. Plants purchased from the Nakada Nursery, Kawaguchi, Saitamaken. Received Jan. 9, 1957.

236419. *CAMELLIA SASANQUA* Thunb. Theaceae. **Sasanqua camellia.**
'Kougoku'.

236420. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae. **Common cryptomeria.**
'Midori Sugi'

236421 and 236422. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received Jan. 9, 1957.

236421. 'Caloro No. 2'.

236422. 'Late Caloro'.

236423. *ANANAS COMOSUS* (L.) Merr. Bromeliaceae. **Pineapple.**

From Honduras. Plants presented by the Escuela Agricola Panamericana, Tegucigalpa. Received Jan. 9, 1957.

'Piña de Azucar'.

236424 to 236439.

From the United States. Plants growing at the Everglades Experiment Station, University of Florida, Belle Glade, Florida. Numbered Jan. 9, 1957.

236424. *ABREMA AUGUSTA* L.f. Sterculiaceae.

Originally from A. Chuidian, Batangas, Philippines.

236425. *AGAVE SISALANA* Perrine ex Engelm. Amaryllidaceae.

Sisil.

Originally from the Dauphine Plantation, Haiti.

236426 to 236434. *BOEHMERIA NIVEA* (L.) Guad. Urticaceae.

Ramie.

236426. 'Anahuma'. Originally from Toyo Seni Company, Japan.

236427. 'Red Stem'. Originally from C. Y. Norris, Belize, British Honduras.

236428. 'Sicilian Green'. Originally from Germany.

236429. 'Sicilian Red'. Originally from Germany.

236430. 'Tatsutyama'. Originally from Toyo Seni Company, Japan.

236431. 'White Stem'. Originally from C. Y. Norris, Belize, British Honduras.

236432. Originally from G. Filgueiras, Rio de Janeiro, Brazil.

236433. Originally from Marcel Potin, Cameroons.

236434. Originally from H. Flach, San Jose, Costa Rica.

236435 and 236436. *BOEHMERIA UTILIS* Diebard.

236435. Originally from Mexico.

236436. Originally from H. Flach, San Jose, Costa Rica.

236437. *CROTALARIA JUNCEA* L. Fabaceae.

Sunn crotalaria.

Originally from the Instituto Agronomico, Campinas, Brazil.

236438 and 236439. *URENA LOBATA* L. Malvaceae.

236438. Originally from the Department of Agriculture, Accra, Gold Coast.

236439. Originally from the Belgian Congo.

236440 to 236446. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Italy. Seeds presented by the Universita Degli Studi Di Pisa, Pisa. Received Jan. 11, 1957.

236440. 'Ancona'.

236444. 'Pisa'.

236441. 'Brescia'.

236445. 'Trento'.

236442. 'Cremona'.

236446. 'No. 46-9'.

236443. 'Marchetti 112'.

236447 to 236451.

From Australia. Seeds presented by the Division of Plant Industry, Commonwealth Scientific and Industrial Research Organization, Canberra City. Received Jan. 11, 1957.

Collected by N. T. Burbidge, Central Australia.

236447. *CALLISTEMON TERETIFOLIUS* F. Muell. Myrtaceae. **Bottlebrush.**
C 542.

236448. *EUCALYPTUS CALCICULTRIX* F. Muell. Myrtaceae.
C 556.

236449. *MOLALEUCA GLOMERATA* F. Muell. Myrtaceae.
C 759.

236447 to 236451—Continued**236450.** *MOLALEUCA UNCINATA* R. Br.

C 838.

236451. *PANDOREA AUSTRALIS* (R. Br.) Spach. Bignoniaceae.**236452 to 236454.**

From Indonesia. Plant material presented by the Proefstation voor de Java-Suikerindustrie, Pasuruan. Received Jan. 11, 1957.

236452 and 236453. *SACCHARUM* (hybrids). Poaceae.**Sugarcane.****236452.** 'Warni Bola-30 oc 13'. Cuttings.**236453.** '3067 POJ'. Cuttings.**236454.** *SORGHUM* sp. Poaceae.

S 87. Originally from New Guinea. Plants.

236455 to 236459. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

From Finland. Seeds presented by the Department of Plant Husbandry, Tikurila. Received Jan. 14, 1957.

236455. 'Myrskylä'.**236458.** 'Siikajoki'.**236456.** 'Nivala'.**236459.** 'Utajarvi'.**236457.** 'Raudaskylä'.**236460 to 236466.**

From Vietnam. Collected by the United States Operations Mission to Saigon. Received Jan. 14, 1957.

236460. *SACCHARUM SPONTANEUM* L. Poaceae.**Sugarcane.**

Road between Dalat and Nha-Trang. (Plants.)

236461 and 236462. *SACCHARUM* (hybrids).**Sugarcane.****236461.** Road between Dalat and Nha-Trang. (Plants.)**236462.** Road between Dalat and Nha-Trang. (Plants.)**236463.** *SACCHARUM SPONTANEUM* L.**Sugarcane.**

Between Dalat and Nha-Trang. (Seeds.)

236464. (Undetermined.)

No. 1. Along road between Saigoat and Dalat. (Seeds.)

236465. (Undetermined.)

No. 2. Between Nha-Trang and Tug-Hoa. (Seeds.)

236466. (Undetermined.)

No. 3. Between Dalat and Nha-Trang. (Seeds.)

236467. *PHASEOLUS VULGARIS* L. Fabaceae.**Common bean.**

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered Jan. 14, 1957.

W.Va.B-68. 'Dunkle Half Runner'. Collected in 1952 in West Virginia; cultivated since by E. M. Meader, Agricultural Experiment Station, Durham, N. Hampshire. Plant 14 inches high; stems light green; leaves medium green, small; flowers white; pods slightly curved, very stringy when green, rough, wavy; yield high; 54 days to picking.

236468. *CUCUMIS* sp. Cucurbitaceae.

From Ethiopia. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 14, 1957.

Component of P.I. 193490; collected by W. A. Archer in market, Addis Ababa, in 1951. Fruit fuzzy.

236469 to 236474.

From French Equatorial Africa. Seeds presented by the Boukoko M'Baiki, S. Ubangi Shari. Received Jan. 15, 1957.

236469 and 236470. *COFFEA EXCELSA* A. Chev. Rubiaceae. Congo coffee.

236469. Typical form.

236470. A-28.

236471. *COFFEA CANEPHORA* Pierre ex Froeh.

Robusta coffee.

'Nana'.

236472. *COFFEA* sp.

'Neo-arnoldiana'.

236473. *COFFEA CANEPHORA* Pierre ex Froeh.

Robusta coffee.

236474. *COFFEA CANEPHORA* var. *UGANDAE* (Cramer) Chev.

Uganda coffee.

No. VI.

236475 and 236476.

From the Netherlands. Seeds presented by the Jardin Botanique de l'Université, Amsterdam. Received Jan. 15, 1957.

236475. *IPOMOEA* sp. Convolvulaceae.

236476. *LATHYRUS MONTANUS* Bernh. Fabaceae.

Peavine.

236477. *HOLARRHENA ANTIDYSENTERICA* (Roth) Wall.

Apocynaceae.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Jan. 15, 1957. Grown at Dehra Dun.

236478 and 236479. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae.

Guar.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Jan. 1, 1957.

236478. 'Pusa Mausmi'. Local selection; maturing in 75 to 80 days; recommended for rainy season only.

236479. 'Pusa Sadabhara'. Selection from local variety 'Jaipuri'; unbranched; ripens in 45 days as summer crop; 55 days in rainy season.

236480. *MALUS SYLVESTRIS* Mill. Malaceae.

Apple.

From France. Budwood presented by the Pierre Lambertin Nurseries, Nîmes (Gard). Received Jan. 15, 1957.

'Framboise D'Oberland', Swiss origin.

236481 to 236484.

From the United States. Plants growing at the United States Department of Agriculture, Regional Plant Introduction Station, Experiment, Georgia. Numbered Jan. 16, 1957.

236481. *LATHYRUS LATIFOLIUS* L. Fabaceae.

Perennial peavine.

Originally from the Netherlands; comparable to the 'Wagner Flat'.

236482. *PHALARIS AQUATICA* L. Poaceae.

Large canarygrass.

'Gb-81'. Grazing type, low, small stems. Originally from the Waite Agricultural Research Institute, Adelaide, South Australia.

236483. *TRIFOLIUM INCARNATUM* L. Fabaceae.

Crimson clover.

Seeds white; flowers white, late. Originally from Bretigny-sur-Orge, France.

236484. *TRIFOLIUM FRAGIFERUM* L.

Strawberry clover.

'Cohuna' or 'Swan Hill'. More vigorous than commercial types. Originally from the Arthur Yates Company, Sydney, Australia.

236485. BRASSICA RAPA L. Brassicaceae. Turnip.

From Australia. Seeds presented by the Department of Agriculture, Tasmania.
Received Jan. 16, 1957.

'Imperial Green Globe'.

236486. ONOBRYSCHIS VICIAEFOLIA Scop. Fabaceae. Sainfoin.

From Turkey. Seeds presented by the International Cooperation Administration,
Nebraska Group. Received Jan. 16, 1957.

236487 and 236488.

From Argentina. Seeds presented by E. G. Beinhart, Buenos Aires. Received
Jan. 16, 1957.

236487. NICOTIANA AMEGHINOI Speg. Solanaceae. Tobacco.

Collected from herbarium specimen at Castelar Laboratory, Castelar.

236488. NICOTIANA SPEGAZZINII Millan. Tobacco.

Collected at Quichara, east of Tecka.

236489 to 236494. PISUM SATIVUM L. Fabaceae. Garden pea.

From the United States. Plants growing at the U.S. Department of Agriculture,
Regional Plant Introduction Station, Iowa State College, Ames, Iowa.
Numbered Jan. 16, 1957.

236489. 'Lamprecht line #21'. Plant tall; late; flowers light pink.

236490. 'Lamprecht line #58'. Plant tall; flowers purple; sugar pod.

236491. 'Lamprecht line #241'. Plant tall; late; flowers white; sugar pod.

236492. 'Lamprecht line #368'. Plant tall; flowers red.

236493. 'Lamprecht line #375'. Plant dwarf; flowers white; sugar pod.

236494. 'Maple Pea New Zealand'. Through Knauf & Tesch Company,
Chilton, Wis.

236495 to 236500.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial
Research Organization, Canberra. Received Jan. 17, 1957.

236495. SESBANIA BENTHAMIANA var. CAMPYLOCARPA Domin Fabaceae.

Q. 236. Originally from Nalia, Queensland.

236496. SESBANIA BENTHAMIANA var. ERUBESCENS Domin

Q. 197. Originally from Mount Isa, Queensland.

236497. SESBANIA BRACHYCARPA F. Muell.

Q. 211.

236498. SESBANIA SERICEA var. GLABRA Domin

Q. 268. Originally from Yeppon, Queensland.

236499. SESBANIA SERICEA var. INERMIS Domin

C 895. Originally from Katherine, Northern Territory.

236500. SESBANIA SERICEA var. SUBSINGULIFLORA Domin

C 852. Originally from Katherine, Northern Territory.

236501 to 236506.

From Vietnam. Presented by the United States Operations Mission, Saigon.
Received Jan. 17, 1957.

236501. HIBISCUS sp. Malvaceae.

Roadside between Nha Trang and Tray-Hoa. (Plants.)

236501 to 236506—Continued

236502. (Undetermined.)

Roadside between Nha Trang and Tray-Hoa. (Plants.)

236503. *HIBISCUS* sp. Malvaceae.

No. 1. (Seeds.)

236504. *HIBISCUS* sp.

No. 2. (Seeds.)

236505. *HIBISCUS* sp.

No. 3. (Seeds.)

236506. *HIBISCUS* sp.

No. 4. (Seeds.)

236507 to 236524.

From Sweden. Scions presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received Jan. 17, 1957.

236507. *CORYLUS* sp. Betulaceae.

'Alnarps Cobnut'.

236508. *CORYLUS* sp.

'Barrs Zellar'.

236509. *CORYLUS* sp.

'Cosford'.

236510. *CORYLUS* sp.

'English Zeller'.

236511. *CORYLUS* sp.

'Fruhe von Frauendorf'.

236512. *CORYLUS* sp.

'Jattenot fr. Halle'.

236513. *CORYLUS* sp.

'Minnas Zeller'.

236514. *CORYLUS* sp.

'Tidig Lang Zeller'.

236515. *CORYLUS* sp.

C-32.

236516. *CORYLUS* sp.

C-2016.

236517. *CORYLUS* sp.

C-2033.

236518. *CORYLUS* sp.

C-2034.

236519. *CORYLUS* sp.

C-2121.

236520. *CORYLUS* sp.

C-2378.

236521. *CORYLUS* sp.

C-2470.

236507 to 236524—Continued236522. *CORYLUS* sp.

C-2647.

236523. *CORYLUS* sp.

C-2949.

236524. *CORYLUS* sp.

C-3243.

236525 to 236549.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Jan. 17, 1957. Localities given are the original sources.

236525. *PHALARIS ARUNDINACEA* L. Poaceae.
C.P.I. 10446. Portugal.**Reed canarygrass.**236526 to 236530. *PHALARIS COERULESCENS* Desf.**Canarygrass.**

236526. C.P.I. 9785. Portugal.

236527. C.P.I. 14422. Portugal.

236528. C.P.I. 19184. Portugal.

236529. C.P.I. 19192. Tunisia.

236530. C.P.I. 19193. Greece.

236531 to 236535. *PHALARIS TRUNCATA* Guss. Poaceae.**Canarygrass.**

236531. C.P.I. 14500. Tunisia.

236532. C.P.I. 19241. Algeria.

236533. C.P.I. 19242. Algeria.

236534. C.P.I. 19247. Algeria.

236535. C.P.I. 19263. Tunisia.

236536 to 236549. *PHALARIS AQUATICA* L. Poaceae.**Large canarygrass.**

236536. V. 94. Commercial seed from Australia.

236537. C.P.I. 14419. Portugal.

236538. C.P.I. 14498. Algeria.

236539. C.P.I. 14693. Morocco.

236540. C.P.I. 14697. Morocco.

236541. C.P.I. 15021. Turkey.

236542. C.P.I. 15022. Turkey.

236543. C.P.I. 15110. Italy.

236544. C.P.I. 15220. Spain.

236545. C.P.I. 15592. Israel.

236546. C.P.I. 19289. Algeria.

236547. C.P.I. 19344. Portugal.

236548. C.P.I. 19351. Greece.

236549. C.P.I. 19357. Italy.

236550 to 236593.

From Chile. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 17, 1957.

236550 to 236592. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.
Chiloe strawberry.

236550 to 236566. Cordillera de los Raices.

236550. Col. No. 43.	236559. Col. No. 52.
236551. Col. No. 44.	236560. Col. No. 53.
236552. Col. No. 45.	236561. Col. No. 54.
236553. Col. No. 46.	236562. Col. No. 55.
236554. Col. No. 47.	236563. Col. No. 56.
236555. Col. No. 48.	236564. Col. No. 57.
236556. Col. No. 49.	236565. Col. No. 58.
236557. Col. No. 50.	236566. Col. No. 59.
236558. Col. No. 51.	

236567 to 236572. Ternas de Tolhuaca, near hotel.

236567. Col. No. 60.	236570. Col. No. 63.
236568. Col. No. 61.	236571. Col. No. 64.
236569. Col. No. 62.	236572. Col. No. 65.

236573 to 236577. Ternas de Tolhuaca, near road.

236573. Col. No. 66.	236576. Col. No. 69.
236574. Col. No. 67.	236577. Col. No. 70.
236575. Col. No. 68.	

236578. Col. No. 71. Cordillera de Los Raices. Elevation 1,400 feet.

236579. Col. No. 72. By Lake Malleco, Natural Park of Tolhuacia.

236580 to 236592. Near Lake Malleco.

236580. Col. No. 74.	236587. Col. No. 81.
236581. Col. No. 75.	236588. Col. No. 82.
236582. Col. No. 76.	236589. Col. No. 83.
236583. Col. No. 77.	236590. Col. No. 84.
236584. Col. No. 78.	236591. Col. No. 85.
236585. Col. No. 79.	236592. Col. No. 86.
236586. Col. No. 80.	

236593. (Undetermined.) Amaryllidaceae.

Col. No. 73. Red-flowered amaryllid.

236594 to 236596.

From Germany. Plants presented by Herm. A. Hesse, Baumschulen, Weener Ems, Ostfriesland. Received Jan. 18, 1957.

236594. *PHELLODENDRON JAPONICUM* Maxim. Rutaceae. **Corktree.**

236595. *PTELEA TRIFOLIATA* L. Rutaceae. **Hoptree.**

'Fastigiata'.

236596. *SORBUS ARIA* (L.) Crantz Malaceae. **White beam mountain-ash.**

'Chrysophylla'.

236597 to 236599. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From the Sudan. Seeds presented by the Cotton Breeding Section, Shambat, North Khartoum. Received Jan. 18, 1957.

236597. BAR 7/6.

236598. BAR 11/5.

236599. BAR 15/1.

236600 to 236603.

From Hungary. Seeds presented by Mezogazdasagi Technikum, Szentes. Received Jan. 18, 1957.

236600. *ALOPECURUS PRATENSIS* L. Poaceae.

Meadow foxtail.

236601. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.

Tall oatgrass.

236602. *FESTUCA RUBRA* L. Poaceae.

Red fescue.

'Tabarska'.

236603. *POA PRATENSIS* L. Poaceae.

Kentucky bluegrass.

236604. GOSSYPIUM TOMENTOSUM Nutt. ex Seem. Malvaceae.

Hawaiian cotton.

From Hawaii. Seeds presented by the University of Hawaii, Honolulu. Received Jan. 18, 1957.

236605 to 236615.

From France. Seeds presented by the Station de Selection, de Plantes de Grande Culture, Tournier Freres, Coulommiers. Received Jan. 18, 1957.

236605 to 236608. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

236605. "A".

236607. 'Craw'.

236606. "AA".

236608. 'Marsh'.

236609 to 236613. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

236609. From Austria.

236610. 'Heges Hoheinheimer'. From Germany.

236611. 'Khun'. From the Netherlands.

236612. 'Sepia'.

236613. From the French Alps.

236614 and 236615. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

236614. Originally from Turkey.

236615. Vorderasian. From Western Asia.

236616. VIGNA VEXILLATA (L.) A. Rich. Fabaceae.

Cowpea.

From the Belgian Congo. Seeds presented by the Division de Botanique, Institut National pour L'Etude Agronomique du Congo Belge, Yangambi. Received Jan. 22, 1957.

'Mookso Ya Soto'.

236617 to 236623.

From the Union of South Africa. Seeds presented by G. A. van de Heever, Nigel, Transvaal. Received Jan. 22, 1957.

236617 and 236618. *DIGITARIA SMUTSII* Stent Poaceae.

Crabgrass.

236617. No. 1.

236618. No. 2.

236617 to 236623—Continued

236619 to 236623. *ERAGROSTIS CURVULA* (Schräd.) Nees. Poaceae.
Weeping lovegrass.

- | | |
|---------------------------------|------------------------------|
| 236619. 'Cullinan'. | 236622. 'Tanganyika'. |
| 236620. 'Groot Fontein'. | 236623. 'Witbank'. |
| 236621. 'Mazeru'. | |

236624 to 236659.

From Chile. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 22, 1957. Collected Jan., 1957.

236624. *ARAUCARIA* sp. Pinaceae.

Col. No. 115. East of outlook over Termas, Tolhuaco, Argentine Trail.

236625 to 236659. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.
Chiloe strawberry.

236625. Col. No. 87. East of outlook over Termas, Tolhuaco, Argentine Trail. Elevation 1,480 meters.

236626. Col. No. 89. Beach west of Maullin.

236627. Col. No. 90. Beach west of Maullin.

236628. Col. No. 91. Beach west of Maullin.

236629. Col. No. 99. Slopes above Coyhauque. Fruits to 1 inch in diameter.

236630 to 236635. Mountainside east of Coyhauque. Elevation about 500 meters.

236630. Col. No. 100. **236633.** Col. No. 103.

236631. Col. No. 101. **236634.** Col. No. 104.

236632. Col. No. 102. **236635.** Col. No. 105.

236636 to 236643. Sixteen km. from Coyhauque, Catta Road. Elevation 700 meters.

236636. Col. No. 106. **236640.** Col. No. 110.

236637. Col. No. 107. **236641.** Col. No. 111.

236638. Col. No. 108. **236642.** Col. No. 112.

(Plants and seeds.) (Plants and seeds.)

236639. Col. No. 109. **236643.** Col. No. 113.

(Plants and seeds.)

236644 to 236659. Mountainside, above Coyhauque.

236644. Col. No. 116. **236651.** Col. No. 123.

236645. Col. No. 117. **236652.** Col. No. 124.

(Plants and seeds.) **236653.** Col. No. 125.

236646. Col. No. 118. **236654.** Col. No. 126.

(Plants and seeds.) **236655.** Col. No. 127.

236647. Col. No. 119. **236656.** Col. No. 128.

236648. Col. No. 120. **236657.** Col. No. 129.

236649. Col. No. 121. **236658.** Col. No. 130.

236650. Col. No. 122. **236659.** Col. No. 131.

236660 to 236990.

From Canada. Native and naturalized forage and ornamental plants collected by F. J. Hermann and B. M. Leese, Plant Introduction Section, Beltsville, Maryland, in Ontario, Manitoba, Saskatchewan, Alberta and British Columbia, June, July, August and September, 1956.

Seeds and plants from Alberta unless otherwise noted.

236660. *ACER GLABRUM* Torr. Aceraceae.

Maple.

Col. No. 31. Dense woods near the public campgrounds, Golden, British Columbia. Elevation 2,570 feet.

236661. *ACTAEA RUBRA* (Ait.) Willd. Ranunculaceae.

Red baneberry.

Col. No. 187. Banff National Park, 4.5 miles west of Banff. Elevation 4,600 feet.

236662. *ACTAEA RUBRA* f. *NEGLECTA* (Gillman) Robins

Baneberry.

Col. No. 271. Along Sturgeon Lake, 3 miles west of Calala.

236663 to 236667. *AGROPYRON DASYSTACHYUM* (Hook.) Scribn. Poaceae.

Thickspike wheatgrass.

236663. Col. No. 115. Plains along Waterton Lake National Park. Plant 2 feet high; glaucous.

236664. Col. No. 280. Arid slopes above the shelf of Peace River near Dunvegan. Elevation 2,200 feet. Plant 2.5 feet high; glaucous.

236665. Col. No. 288. Shelf overlooking the Peace River, 2 miles south of the town, Peace River.

236666. Col. No. 319. Sand dunes, 17 miles north of Jasper, Route 16. Some fertile florets.

236667. Col. No. 331. Two miles east of Fort Saskatchewan.

236668 to 236672. *AGROPYRON INERME* (Scribn. & Sm.) Rydb.

Beardless wheatgrass.

236668. Col. No. 19. Sandy loam valley 2 miles north of Kimberly, British Columbia. Elevation 2,700 feet. Plant 2 feet high; awnless.

236669. Col. No. 77. Arid slope 1 mile south of Ainsworth, British Columbia. Plant 4 feet high; spikes narrow, 8 inches long.

236670. Col. No. 78. Arid, rocky slope, 1 mile south of Slokan, British Columbia.

236671. Col. No. 79. One mile south of Boswell, British Columbia.

236672. Col. No. 96. Dry slope associated with douglas-fir and yellow pine, St. Mary's Lake Road, British Columbia, 3 miles west of Route 95. Plant 3.5 feet high; awnless.

236673 to 236675. *AGROPYRON LATIGLUME* (Scribn. & Sm.) Rydb.

Wheatgrass.

236673. Col. No. 158. Sentinel Peak, Coleman-Kananaskis Road. Elevation 7,785 feet. Plant 1 foot high; spikes robust.

236674. Col. No. 298. Along McLeod Road, 4.5 miles south of Cadomin.

236675. Col. No. 315. Route 16, 12 miles north of Jasper.

236676. *AGROPYRON PSEUDOREPENS* Scribn. & Sm.

Wheatgrass.

Col. No. 192. Eroded bank along the Bow River, 1 mile west of Banff. Elevation 4,585 feet. Plant 4 feet high; spikes to 8 inches long.

236677 and 236678. *AGROPYRON SMITHII* Rydb.

Western wheatgrass.

236677. Col. No. 24. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet. Plants 4 feet high; spikes 6 inches long; very robust.

236678. Col. No. 116. Plains along Waterton Lake.

236660 to 236990—Continued

236679 and 236680. *AGROPYRON SMITHII* var. *MOLLE* (Scribn. & Sm.) Jones
Wheatgrass.

236679. Col. No. 157. Open field in lodgepole pine woods, Coleman-Kananaskis Road, Livingstone Falls. Plants to 2 feet high; spike pubescent.

236680. Col. No. 246. Open meadow along North Ram River, Clearwater Forest, 20 miles south of Nordegg.

236681 to 236683. *AGROPYRON SPICATUM* (Pursh) Scribn. & Sm.
Bluebunch wheatgrass.

236681. Col. No. 108. Acid rocky soil, 6 miles west of Coleman.

236682. Col. No. 204. Dry aspen slope, Spray River Trail, Banff National Park. Elevation 4,700 feet.

236683. Col. No. 282. Grassy slope along Peace River near Dunvegan. Plant 1.5 feet high.

236684 to 236698. *AGROPYRON SUBSECUNDUM* (Link) Hitchc. Wheatgrass.

236684. Col. No. 90. Dry rocky plains associated with yellow pine, larch and spruce, 3 miles northwest of Cranbrook, British Columbia. Plant 2 feet high.

236685. Col. No. 104. Four and one-half miles northeast of Hosmer, British Columbia. Colony 2.5 feet high.

236686. Col. No. 127. Grassy plains along Waterton Lake National Park. Elevation 4,100 feet. Plant 1 foot high; spikes robust.

236687. Col. No. 141. Aspen woods, 17 miles north of Coleman. Coleman-Kananaskis Road. Plant awned.

236688. Col. No. 164. Edge of pond in open spruce woods, 0.5 mile north of Canmore. Plant 3.5 feet high; single plant collection.

236689. Col. No. 224. Dry slope on edge of wet meadow, 1.5 miles south of Ram River, Clearwater Forest, 40 miles south of Nordegg. Plant 1.5 feet high; spikes 6 inches long.

236690. Col. No. 226. Forty miles south of Nordegg, 1.5 miles south of Ram River. Plant 2.5 feet high; spikes to 8 inches long; 1 plant collection.

236691. Col. No. 239. Dry slope, 3.5 miles south of Ram River, 40 miles south of Nordegg. Plant 2 feet high; 1 plant collection.

236692. Col. No. 245. Meadow along North Ram River, Clearwater Forest, 20 miles south of Nordegg. Plant 2 feet high; spikes tinged red.

236693. Col. No. 249. Three miles south of Athabasca. Plant 3.5 feet high; spikes 6 inches long.

236694. Col. No. 250. Two miles south of Athabasca.

236695. Col. No. 256. Open aspen woods, 2 miles east of Smith.

236696. Col. No. 265. Along Sturgeon Lake, 3 miles west of Calais.

236697. Col. No. 281. Along dry slope, Peace River near Dunvegan. Plant 2.5 feet high; not typical.

236698. Col. No. 285. Arid slope along Peace River near Dunvegan.

236699 to 236728. *AGROPYRON TRACHYCAULUM* (Link) Malte.
Slender wheatgrass.

236699. Col. No. 18. Roadside 2 miles west of Wardner on Route #3, British Columbia. Elevation 2,400 feet. Plant 2.5 feet high; spikes 8 inches long; heavy seeder.

236700. Col. No. 24. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet. Plant 4 feet high; spikes 6 inches long; very robust.

236701. Col. No. 25. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet.

236660 to 236990—Continued**236699 to 236728—Continued**

- 236702.** Col. No. 27. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet. Plant 11 inches high, leaves at base; spikelets bunched.
- 236703.** Col. No. 28. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,570 feet. Plants to 3 feet high; spikes to 8 inches long; awned.
- 236704.** Col. No. 75. On mineral outcrop, 3 miles east of Zincton, British Columbia. Elevation 1,700 feet. Plant 3 feet high.
- 236705.** Col. No. 76. Dry slope, 1 mile north of Ainsworth, British Columbia. Elevation 1,600 feet. Plant 3 feet high; spikes 8 inches long, slender.
- 236706.** Col. No. 82. Six miles south of Boswell, British Columbia.
- 236707.** Col. No. 86. Moyie, British Columbia.
- 236708.** Col. No. 101. Along Fairy Creek, 1 mile west of Fernie, British Columbia. Plant 2.5 feet high; spikes robust.
- 236709.** Col. No. 109. Dry rocky slope, 6 miles west of Coleman. Plant 3.5 feet high; spikes robust; clumps large.
- 236710.** Col. No. 136. Clearing in lodgepole pine woods, 4 miles north of Coleman, Coleman-Kananaskis Road. Plant 1.5 feet high; spikes robust, slightly awned.
- 236711.** Col. No. 142. Clearing in aspen woods, 14 miles north of Coleman, Coleman-Kananaskis Road.
- 236712.** Col. No. 149. Dry rock ledge, 40 miles north of Coleman, Coleman-Kananaskis Road. Elevation 6,000 feet.
- 236713.** Col. No. 182. Sixteen miles north of McCleod Meadows, Kootenay National Park, British Columbia. Elevation 4,300 feet.
- 236714.** Col. No. 189. Road to Strom's Halfway Cabin, 4.5 miles west of Banff. Elevation 4,600 feet.
- 236715.** Col. No. 193. Along the Bow River, 1 mile west of Banff. Elevation 4,500 feet.
- 236716.** Col. No. 194. Banff National Park, 1 mile north of Banff. Elevation 4,500 feet.
- 236717.** Col. No. 197. Near the Banff Chair Lift on Mount Norquay. Elevation 5,700 feet.
- 236718.** Col. No. 198. Mount Norquay, Banff National Park. Elevation 5,700 feet.
- 236719.** Col. No. 205. Open meadow, 5.5 miles northeast of Banff on Lake Minnewanka. Elevation 4,600 feet.
- 236720.** Col. No. 223. Dry slope along wet meadow, 1.5 miles south of Ram River, 40 miles south of Nordegg. Plant 3 feet high, vigorous.
- 236721.** Col. No. 225. Edge of pond, 1.5 miles south of Ram River, 40 miles south of Nordegg. Clearwater Forest. Plant 3 feet high; glaucous.
- 236722.** Col. No. 227. Dry slope, 40 miles south of Nordegg. Plant 1.5 feet high; spikes 3 inches long, plump.
- 236723.** Col. No. 243. Dry, gravelly soil, Elk Creek, Clearwater Forest. Plant 2 feet high; spikes red.
- 236724.** Col. No. 254. Sandy soil, 2 miles east of Smith. Plant 2.5 feet high; spikes 5 inches long.
- 236725.** Col. No. 275. In aspen-alder woods, 25 miles north of Grande Prairie. Elevation 2,400 feet. Plant 4 feet high; spikes very slender.

236660 to 236990—Continued**236699 to 236728—Continued**

236726. Col. No. 290. Near the Grouard Mission, 11 miles north of Enilda.

236727. Col. No. 302. Mountain Park in moist alpine meadow below town. Elevation 6,000 feet. Plant 1.5 feet high.

236728. Col. No. 316. Along Miette River, Jasper.

236729. *ALLIUM CERNUUM* Roth Liliaceae. **Nodding onion.**

Col. No. 89—12999. Dry, rocky plains associated with yellow pine, larch and spruce, 3 miles northwest of Cranbrook, British Columbia.

236730 to 236732. *ALOPECURUS AEQUALIS* Sobol. Poaceae. **Shortawn foxtail.**

236730. Col. No. 234. Clearwater Forest, 40 miles south of Nordegg.

236731. Col. No. 252. Along the Athabasca River, Athabasca. Single plant, 1 foot high.

236732. Col. No. 268. Along Sturgeon Lake, 3 miles west of Calais.

236733 and 236734. *AMELANCHIER ALNIFOLIA* Nutt. Malaceae. **Serviceberry.**

236733. Col. No. 270. Along Sturgeon Lake, 3 miles west of Calais. Bush 5 feet high; fruits large, juicy, fine flavor, heavily fruited.

236734. Col. No. 277. Along the Peace River near Dunvegan.

236735 to 236737. *AMELANCHIER FLORIDA* Lindl. **Serviceberry.**

236735. Col. No. 16. Yellow pine woods, 3 miles west of Elko on Route 3, British Columbia. Fruits large, juicy.

236736. Col. No. 39. Open dry rocky slope along Yard Creek, Eagle Pass, British Columbia. Plant 3 feet high.

236737. Col. No. 67. Gravel slope above Arrow Lake, British Columbia. Elevation 1,400 feet. Bush 8 feet high; fruits large, juicy.

236738. *ARCTOSTAPHYLOS RUBRA* (Rehd. & Wils.) Fern. Ericaceae. **Manzanita.**

Col. No. 200. Tundra near summit of Mount Norquay, Banff National Park. Elevation 6,800 feet.

236739 and 236740. *ASTRAGALUS ABORIGINUM* Richards. Fabaceae. **Milkvetch.**

236739. Col. No. 11. Stavely Grassland Substation of Lethbridge Experimental Station, 13 miles west of Stavely.

236740. Col. No. 230. Clearwater Forest, 40 miles south of Nordegg. Elevation 5,500 feet.

236741. *ASTRAGALUS AGRESTIS* Dougl. **Purple milkvetch.**

Col. No. 8. Fort Saskatchewan. Open field, sandy soil.

236742. *ASTRAGALUS ALPINUS* L. **Alpine milkvetch.**

Col. No. 228. One and one-half miles south of Ram River, Clearwater Forest, 40 miles south of Nordegg.

236743. *ASTRAGALUS AMERICANUS* (Hook.) Jones **Milkvetch.**

Col. No. 165. Spruce woods, Canmore.

236744. *ASTRAGALUS CANADENSIS* L. **Milkvetch.**

Col. No. 292. Along Smoky River, 10 miles southwest of Triangle.

236745. *ASTRAGALUS COLLINUS* Dougl. **Milkvetch.**

Col. No. 50. Parkland meadow, 10 miles north of Kamloops, road to Dominion Experiment plots, Pass Lake, British Columbia. Elevation 1,600 feet. Plant 14 inches high; heavy seed producer.

236660 to 236990—Continued

- 236746.** *ASTRAGALUS CRASSICARPUS* var. *PAYSONII* (Kelso) Barneby **Milkvetch.**
Col. No. 113. Crownest Pass Plateau, 4 miles west of Coleman. Elevation 4,450 feet.
- 236747.** *ASTRAGALUS LENTIGINOSUS* Dougl. **Milkvetch.**
Col. No. 46. On sage brush hills, road to city garbage dump, North Kamloops, British Columbia. Elevation 1,400 feet.
- 236748.** *ASTRAGALUS MISER* var. *SEROTINUS* (Gray) Barneby **Milkvetch.**
Col. No. 29. Vacant lot next to Riverside Auto Camp, Golden, British Columbia. Elevation 2,570 feet.
- 236749.** *ASTRAGALUS STRIATUS* Nutt. **Prairie milkvetch.**
Col. No. 214. Sandy shelf overlooking the Ghost River.
- 236750.** *ASTRAGALUS TENELLUS* Pursh **Milkvetch.**
Col. No. 215. Sandy shelf overlooking the Ghost River, 11 miles west of Cochrane.
- 236751.** *ASTRAGALUS* sp.
Col. No. 128. Dry lodgepole pine slope, 4 miles north of Coleman, Coleman-Kananaskis Road.
- 236752.** *BETULA GLANDULOSA* Michx. *Betulaceae.* **Bog birch.**
Col. No. 6. West bank along the Bow River, Lake Louise Station. Elevation 5,050 feet. Shrub 4 feet high.
- 236753.** *BROMUS ANOMALUS* Rupr. ex Fourn. *Poaceae.* **Nodding brome.**
Col. No. 144. Dry clearing above aspen woods, 17 miles north of Coleman, Coleman-Kananaskis Road.
- 236754 to 236757.** *BROMUS CARINATUS* Hook. & Arn. **California brome.**
- 236754.** Col. No. 30. Near public campgrounds, Golden, British Columbia. Elevation 2,500 feet. Plant 3.5 feet high; spikes robust.
- 236755.** Col. No. 32. Eroded bank in hemlock-arborvitae woods, 80 miles north of Golden on Route #1, British Columbia. Plant 2 feet high.
- 236756.** Col. No. 36. Along the Canadian Pacific Railroad, Revelstoke, British Columbia. Elevation 1,440 feet.
- 236757.** Col. No. 61. Along the Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet. Plant 5 feet high; spikes flat, drooping.
- 236758 to 236763.** *BROMUS CILIATUS* L. **Fringed brome.**
- 236758.** Col. No. 172. Nixon Creek, Kootenay National Park, British Columbia. Elevation 4,000 feet.
- 236759.** Col. No. 219. About 12 miles east of Nordegg. Clearwater Forest boundary, lodgepole pine woods.
- 236760.** Col. No. 222. Dry slope along a marsh, 1.5 miles south of Ram River, Clearwater Forest, 40 miles south of Nordegg. Plant 3.5 feet high.
- 236761.** Col. No. 248. Shrubby aspen woods, 2 miles south of Athabasca. Plant 2.5 feet high.
- 236762.** Col. No. 273. Aspen-alder woods, 25 miles north of Grande Prairie. Elevation 2,400 feet. Plant 2 feet high.
- 236763.** Col. No. 295. Eroded sandy hillside, 3 miles southwest of Robb. Plant 4 feet high.
- 236764.** *BROMUS PUMPELLIANUS* Scribn. **Brome.**
Col. No. 317. Along Miette River, Jasper.

236660 to 236990—Continued

- 236765 to 236773.** *BROMUS MARGINATUS* Nees Mountain brome.
236765. Col. No. 56. Ten miles west of Revelstoke, Big Bend Highway, near Crescent Falls, British Columbia. Plant 3.5 feet high; heavy seeder.
236766. Col. No. 69. Along the Kuskonook Creek, 2 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Plant 4 feet high; drooping habit.
236767. Col. No. 74. Near a mine dump, Zineton, British Columbia. Elevation 1,700 feet. Plant 5 feet high; robust.
236768. Col. No. 88. Arid, rocky soil, 6 miles southeast of Moyie, British Columbia. Plant 3 feet high, very pubescent.
236769. Col. No. 102. Four miles northeast of Hosmer, British Columbia. Plant 5.5 feet high; spikelets robust.
236770. Col. No. 103. Dry sandy soil, 4 miles northeast of Hosmer, British Columbia. Plant 2 feet high.
236771. Col. No. 117. Waterton Park townsite, Waterton Lakes National Park. Plant 5 feet high, robust.
236772. Col. No. 119. Trail between Cameron Lake and Waterton Park townsite, Waterton Lakes National Park.
236773. Col. No. 138. Aspen woods, 17 miles north of Coleman, Coleman-Kananaskis Road. Plant 1.5 feet high.
- 236774 and 236775.** *BROMUS PUMPELLIANUS* Scribn. Brome.
236774. Col. No. 118. Grassy hillside on trail between Cameron Lake and Waterton Park townsite, Waterton Lakes National Park. Plants 2 feet high; panicles drooping; spikelets thin, slender in habit.
236775. Col. No. 183. Animal lick, 16 miles north of McCleod Meadows, Kootenay National Park, British Columbia. Elevation 4,300 feet. Plant 5 feet high.
- 236776.** *BROMUS VULGARIS* (Hook.) Shear Columbia brome.
 Col. No. 121. Lodgepole pine slope, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,400 feet. Plant 2.5 feet high.
- 236777.** *CAREX AENEA* Fernald Cyperaceae. Sedge.
 Col. No. 65. Sandy soil along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet.
- 236778.** *CAREX ATROSQUAMA* Mack. Sedge.
 Col. No. 173. Rock Isle Lake, 3.5 miles southeast of Simpson Pass, British Columbia. Elevation 7,600 feet.
- 236779.** *CAREX AUREA* Nutt. Golden sedge.
 Col. No. 179. Animal lick, 16 miles north of McCleod Meadows, Kootenay National Park, British Columbia.
- 236780.** *CAREX CAPILLARIS* L. Sedge.
 Col. No. 163. Moist, sandy, spruce grove along pond, Canmore.
- 236781.** *CAREX DISPERMA* Dewey Sedge.
 Col. No. 184. Five miles west of Castle Mountain, Boom Creek, Banff National Park. Elevation 4,800 feet.
- 236782.** *CAREX EURYSTACHYA* F. J. Hermann Sedge.
 Col. No. 314. Animal lick on northern slope of Mount Edith Cavell, Jasper National Park, British Columbia.
- 236783.** *CAREX FLAVA* L. Sedge.
 Col. No. 180. Animal lick, 16 miles north of McCleod Meadows, Kootenay National Park British Columbia.

236660 to 236990—Continued

- 236784.** *CAREX HOOKERIANA* Dewey **Sedge.**
Col. No. 9. Dry sandy plains, Fort Saskatchewan.
- 236785.** *CAREX INTERIOR* Bailey **Inland sedge.**
Col. No. 162. Marshy edge of pond, Canmore.
- 236786.** *CAREX LEPTOPODA* Mack **Sedge.**
Col. No. 66. Along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet.
- 236787.** *CAREX LIMNOPHILA* F. J. Hermann **Sedge.**
Col. No. 209. Two Jack Lake, Banff National Park.
- 236788.** *CAREX MEDIA* R. Br. **Sedge.**
Col. No. 185. Boom Creek, Banff National Park. Elevation 4,800 feet.
- 236789.** *CAREX MERTENSII* Prescott **Sedge.**
Col. No. 55. Two miles east of Griffin Lake, Eagle Pass, British Columbia.
- 236790.** *CAREX NIGRICANS* C. A. Mey. **Sedge.**
Col. No. 161. Mountain Meadow, 90 miles north of Coleman, Coleman-Kananaskis Road, Highwood Range. Elevation 7,500 feet.
- 236791.** *CAREX PACHYSTACHYA* Cham. **Chamisso sedge.**
Col. No. 34. Clearing along road in spruce woods, Royal Road, Mountain Revelstoke, British Columbia. Elevation 2,700 feet. Plants unusually tall and rank.
- 236792 and 236793.** *CAREX PETASATA* Dewey **Sedge.**
236792. Col. No. 45. Road to garbage dump, North Kamloops, British Columbia. Elevation 1,400 feet.
236793. Col. No. 143. Dry slope, 17 miles north of Coleman, Coleman-Kananaskis Road.
- 236794.** *CAREX PHYSOCARPA* Presl **Sedge.**
Col. No. 233. Clearwater Forest, 1.5 miles south of Ram River, 40 miles south of Nordegg.
- 236795.** *CAREX PRAEGRACILIS* Boott **Sedge.**
Col. No. 47. Near pond on road to Dominion Experiment Plots, Pass Lake, British Columbia, 10 miles north of Kamloops.
- 236796.** *CAREX PRATICOLA* Rydb. **Sedge.**
Col. No. 210. Two Jack Lake, Banff National Park.
- 236797 to 236800.** *CAREX RAYMONDII* Calder **Sedge.**
236797. Col. No. 156. Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet.
236798. Col. No. 206. Clearing in wet spruce woods, along Spray Road, Banff National Park.
236799. Col. No. 211. Two Jack Lake, Banff National Park. Elevation 4,800 feet.
236800. Col. No. 241. Clearwater Forest, 3.5 miles south of Ram River.
- 236801.** *CAREX ROSSII* Boott **Sedge.**
Col. No. 130. Along Coleman-Kananaskis Road, 4 miles north of Coleman. Elevation 4,700 feet. Heavily grazed.
- 236802.** *CAREX SCIPPIIFORMIS* Mack. **Sedge.**
Col. No. 13. Sod forming in dry, alkaline meadow 16 miles northeast of Burmis, Willow Valley. Elevation 4,500 feet.

236660 to 236990—Continued**236803.** *CAREX STIPATA* Muhl.**Sedge.**

Col. No. 54. Wet ditch, 2 miles east of Griffin Lake, Eagle Pass, British Columbia.

236804. *CAREX VAGINATA* Tausch**Sedge.**

Col. No. 175. Open bog along Sundance River, Banff.

236805 to 236808. *ELYMUS CANADENSIS* L. Poaceae. **Canadian wildrye.****236805.** Col. No. 60. Along the banks of Upper Arrow Lake, Arrowhead, British Columbia. Elevation 1,400 feet. Plant 5 feet high; spikes 8 inches long, drooping.**236806.** Col. No. 80. Eroded, rocky bank 6 miles south of Boswell, British Columbia. Plants 6 feet high.**236807.** Col. No. 276. Along the Peace River near Dunvegan.**236808.** Col. No. 291. Sandy soil along the edge of aspen woods on Little Smoky River, 10 miles southwest of Triangle. Plant 5.5 feet high.**236809.** *ELYMUS CINEREUS* Scribn. & Merr.**Wildrye.**

Col. No. 44. Ditch along Canadian Pacific Railroad, 25 miles east of Kamloops on Route 1, British Columbia. Plant 10 feet high; spikes 8 inches long; dense stand.

236810 to 236817. *ELYMUS GLAUCUS* Buckl.**Blue wildrye.****236810.** Col. No. 23. Edge of spruce woods, southeast shore of Emerald Lake, Yoho National Park, British Columbia. Elevation 4,300 feet. Plant 4 feet high; leaf blades unusually wide; single plant.**236811.** Col. No. 37. One mile south of Revelstoke, British Columbia. Elevation 1,440 feet. Plant 5 feet high; spikes 6 inches long, tinged violet.**236812.** Col. No. 38. Eagle Pass, 7 miles west of Three Valley Lake on Route 1, British Columbia. Elevation 3,600 feet. Plants 6 feet high; spikes 8 inches long; leaves 1 inch wide.**236813.** Col. No. 57. Dry, eroded soil, 10 miles west of Revelstoke near Crescent Falls, Big Bend Highway, British Columbia.**236814.** Col. No. 62. Dense woods along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet. Plant 4 feet high; leaves 1 inch wide.**236815.** Col. No. 81. Arid, rocky slope, 6 miles south of Boswell, British Columbia. Plants 3.5 feet high; leaves 0.75 inch wide.**236816.** Col. No. 95. Dry eroded bank, St. Mary's Lake, between Marysville and Kimberley, British Columbia. Plant 6 feet high; leaves 0.75 inch wide.**236817.** Col. No. 169. Nixon Creek, Kootenay National Park. Elevation 4,000 feet. Plant 4 feet high; leaves broad, very lax.**236818 to 236820.** *ELYMUS INNOVATUS* Beal**Wildrye.****236818.** Col. No. 110. Arid slope 6 miles west of Coleman.**236819.** Col. No. 119. Dry slope, road to Banff Chair Lift on Mount Norquay. Elevation 4,800 feet. Plant 2.5 feet high; leaves basal, flat, lax.**236820.** Col. No. 244. Dry shoulder of road, Clearwater Forest, 1.5 miles south of Ram River. Plant 3 feet high; spikes robust.**236821 to 236825.** *FESTUCA IDAHOENSIS* Elmer Poaceae.**Idaho fescue.****236821.** Col. No. 17. Yellow pine flats 3 miles west of Elko on Route 3, British Columbia.**236822.** Col. No. 59. Entrance to Mount Revelstoke Park, British Columbia. Elevation 1,400 feet. Plant 2 feet high; spikes well developed.

236660 to 236990—Continued**236821 to 236825—Continued**

236823. Col. No. 126. Grassy plains along Waterton Lake, Waterton Lakes National Park. Elevation 4,100 feet. Plant 1.5 feet high.

236824. Col. No. 132. Aspen woods 4 miles north of Coleman, Coleman-Kananaskis Road. Plant 2 feet high; clumps large; heavy seeder.

236825. Col. No. 137. Scattered in aspen woods 4 miles north of Coleman, Coleman-Kananaskis Road.

236826 to 236829. FESTUCA OCCIDENTALIS Hook. Fescue.

236826. Col. No. 35. Seven miles west of Three Valley Lake on Route 1, Eagle Pass, British Columbia. Elevation 3,600 feet. Plant 1.5 feet high.

236827. Col. No. 64. Near river, dry sandy soil along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet.

236828. Col. No. 84. Arid open gravelly plains 10 miles east of Creston, British Columbia.

236829. Col. No. 94. Parkland of yellow pine and aspen 7 miles northwest of Cranbrook, British Columbia.

236830 to 236833. FESTUCA OVINA L. Sheep fescue.

236830. Col. No. 105. Dry rocky slope, Crowsnest, British Columbia.

236831. Col. No. 147. Dry open field 8 miles north of Dutch Creek, Coleman-Kananaskis Road. Elevation 5,090 feet.

236832. Col. No. 202. Dry slope, road to Banff Chair Lift on Mt. Norquay, Banff National Park. Elevation 4,800 feet.

236833. Col. No. 203. Dry aspen slope, Spray River Trail, Banff National Park. Elevation 4,700 feet.

236834. FESTUCA RUBRA L. Red fescue.

Col. No. 217. Three miles west of Rocky Mount House. Plant 10 inches high.

236835 to 236838. FESTUCA OVINA L. Sheep fescue.

236835. Col. No. 231. Dry sandy soil, 1.5 miles south of Ram River, Clearwater Forest. Plant 8 inches high. Single plant.

236836. Col. No. 238. Dry sandy soil 3.5 miles south of Ram River, Clearwater Forest. Plant 12 inches high; single plant.

236837. Col. No. 257. Two miles east of Smith. Plant 8 inches high.

236838. Col. No. 299. Along the McLeod Road to Mountain Park, 4.5 miles south of Cadomin.

236839 to 236846. FESTUCA RUBRA L. Red fescue.

236839. Col. No. 106. Crowsnest, British Columbia. Plant 3 feet high; spikelets stout.

236840. Col. No. 181. Animal lick, 16 miles north of McCleod Meadows, Kootenay National Park, British Columbia. Single, outstanding clump formation; leaves dark green.

236841. Col. No. 208. Spray River, Banff National Park.

236842. Col. No. 221. Open meadow along North Ram River, 20 miles south of Nordegg. Elevation 5,500 feet. Plant 1.5 feet high; culms and spikelets red.

236843. Col. No. 240. Dry gravelly soil 3.5 miles south of Ram River, 42 miles south of Nordegg, Clearwater Forest. Plant 2 feet high; culms and spikelets red; plant.

236844. Col. No. 242. Dry gravelly soil, 3.5 miles south of Ram River, 42 miles south of Nordegg. Plant 3 feet high; high percentage vegetative growth. Plant.

236660 to 236990—Continued**236839 to 236846—Continued**

236845. Col. No. 274. Twenty-five miles north of Grande Prairie.

236846. Col. No. 312. Northeastern slope Mount Edith Cavell, Jasper National Park. Plant densely caespitose; culms 1 foot high; decumbent.

236847 to 236852. *FESTUCA SCABRELLA* Torr. **Rough fescue.**

236847. Col. No. 139. Dry field 17 miles north of Coleman, Coleman-Kananaskis Road. Plant 4 feet high, forming large clumps.

236848. Col. No. 146. Table land of lodgepole pine 8 miles north of Dutch Creek, Coleman-Kananaskis Road. Elevation 5,090 feet. Plant 4 feet high.

236849. Col. No. 325. Two miles east of Fort Saskatchewan.

236850. Col. No. 326. Four miles east of Fort Saskatchewan.

236851. Col. No. 327. One mile east of Fort Saskatchewan.

236852. Col. No. 330. One-half mile east of Fort Saskatchewan.

236853. *FRAGARIA GLAUCA* (S. Wats.) Rydb. Rosaceae. **Blueleaf strawberry.**

Col. No. 131. Clearing in lodgepole pine woods 4 miles north of Coleman, Coleman-Kananaskis Road.

236854. *FRAGARIA* sp.

Col. No. 303. Spruce woods 4.5 miles south of Cadomin, along the McLeod Road to Mountain Park. Plant 6 inches high; fruits large.

236855. *GEOCAULON LIVIDUM* (Richards.) Fernald Santalaceae.

Col. No. 178. Open spruce woods on bank of Kootenay River, Kootenay National Park, British Columbia, near McCleod Creek. Plant 10 inches high; fruits bright orange.

236856. *JUNIPERUS HORIZONTALIS* Moench. Pinaceae. **Creeping juniper.**

Col. No. 213. Sandy shelf overlooking the Ghost River.

236857 and 236858. *LATHYRUS OCHROLEUCUS* Hook. Fabaceae. **Peavine.**

236857. Col. No. 176. Banff.

236858. Col. No. 266. Along Sturgeon Lake, 3 miles west of Calais.

236859. *LEPTARRHENA PYROLIFOLIA* (D. Don) R. Br. Saxifragaceae.

Col. No. 174. Sunshine Ski Lodge, 12 miles south of Banff, Banff National Park. Elevation 7,300 feet.

236860. *LOMATIUM SIMPLEX* var. *LEPTOPHYLLUM* (Hook.) Mathias Apiaceae

Col. No. 12. Crowsnest Pass, 4 miles west of Coleman on plateau in gravelly soil. Elevation 4,450 feet.

236861. *LOMATIUM* sp.

Col. No. 34. Lodgepole pine woods clearing, 4 miles north of Coleman, Coleman-Kananaskis Road.

236862. *LOTUS PURSHIANUS* (Benth.) Clements & Clements Fabaceae. **Trefoil.**

Col. No. 49. Parkland meadow, road to Dominion Experiment Plots at Pass Lake, 10 miles north of Kamloops, British Columbia. Elevation 1,600 feet. Plant 8 inches high; heavy seed producer.

236863. *LUPINUS LEUCOPHYLLUS* Dougl. Fabaceae. **Lupine.**

Col. No. 111. Four miles west of Coleman.

236864 and 236865. *LUPINUS POLYPHYLLUS* Lindl. **Washington lupine.**

236864. Col. No. 83. Nine miles east of Creston, British Columbia.

236865. Col. No. 133. Clearing in lodgepole slope, 4 miles north of Coleman, Coleman-Kananaskis Road; associated with vetch and Douglas-fir.

236660 to 236990—Continued**236866.** *LUPINUS SERICEUS* Pursh**Lupine.**

Col. No. 93. Rocky yellow pine plains, 7 miles northwest of Cranbrook, British Columbia. Elevation 3,000 feet.

236867. *MELICA SMITHII* (Porter) Vasey. Poaceae.**Melic.**

Col. No. 122. Lodgepole pine slopes, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,500 feet. Plant 4.5 feet high; branched panicles; awned.

236868. *MELICA SUBULATA* (Griseb.) Scribn.**Melic.**

Col. No. 120. Lodgepole slope, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,400 feet. Awnless.

236869 to 236873. *ORYZOPSIS ASPERIFOLIA* Michx. Poaceae.**Roughleaf ricegrass.****236869.** Col. No. 1. Scattered in white pines on the north shore of Lake of the Woods, Kenora. Plants 1.5 feet high.**236870.** Col. No. 3. Kenora. Plants 1.5 feet high; scattered; shattering.**236871.** Col. No. 4. Lodgepole pine woods, 20 miles south of Maple Creek, Cypress Hill Park, Saskatchewan. Plant 1.5 feet high; leaves 0.25 inch wide; scattered.**236872.** Col. No. 5. Upper Hot Springs, 2 miles southeast of Banff. Elevation 5,200 feet.**236873.** Col. No. 7. Rocky soil in open lodgepole pine grove along the Bow River, Lake Louise Station. Elevation 5,050 feet.**236874 and 236875.** *ORYZOPSIS CANADENSIS* (Poir.) Torr. **Canada ricegrass.****236874.** Col. No. 328. Low spot in native prairie, Fort Saskatchewan.**236875.** Col. No. 329. Four miles east of Fort Saskatchewan.**236876 to 236879.** *ORYZOPSIS HYMENOIDES* (Roem. & Schult.) Ricker**Indian ricegrass.****236876.** Col. No. 20. Eroded, sandy hillside, Paradise Mine Road, 0.5 mile west of Wilmer, British Columbia. Elevation 3,100 feet. Seeds brown, small.**236877.** Col. No. 114. Deep sandy soil, North Kamloops, British Columbia. Plant 1.5 feet high; seeds very small, black.**236878.** Col. No. 212. Sandy shelf overlooking the Ghost River, 11 miles west of Cochrane. Seeds large, brown.**236879.** Col. No. 261. Sandy soil, 2 miles east of Smith. Plant 3 feet high; seeds small, brown.**236880 to 236883.** *ORYZOPSIS PUNGENS* (Torr.) Hitchc. **Shorthorn ricegrass.****236880.** Col. No. 2. In scattered white pine, shore of the Lake of the Woods, Kenora. Plants few.**236881.** Col. No. 63. Washed lowland woods along Arrow Lake, Nakusp, British Columbia. Elevation 1,400 feet.**236882.** Col. No. 289. Lodgepole pine woods along the Peace River, town of Peace River. Second seed crop.**236883.** Col. No. 322. Nine miles west of Rennie, Manitoba.**236884.** *OSMORHIZA CHILENSIS* Hook. & Arn. Apiaceae.**Sweetroot.**

Col. No. 324. Open lodgepole pine woods, edge of trail to Bertha Lake, Waterton National Park. Elevation 4,400 feet.

236885. *OXYTROPIS DEFLEXA* var. *SERICEA* Torr. & Gray Fabaceae.

Col. No. 259. Two miles east of Smith.

236660 to 236990—Continued

236886 and 236887. *OXYTROPIS SERICEA* var. *SPICATA* (Hook.) Barneby

236886. Col. No. 10. Parkland area, Stavely Grassland Substation, Lethbridge Experiment Station, 13 miles west of Stavely. Elevation 4,200 feet.

236887. Col. No. 26. Along the Kickinghorse River, Golden, British Columbia. Elevation 2,500 feet.

236888. *PENSTEMON LYALLII* A. Gray Scrophulariaceae.

Col. No. 124. Rocky slope, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,500 feet.

236889. *PENSTEMON ELLIPTICUS* Coult. & Fish.

Col. No. 107. Crowsnest, British Columbia.

236890. *PENSTEMON CONFERTUS* Dougl.

Col. No. 85. Arid lodgepole yellow pine plains, 10.5 miles east of Creston, British Columbia.

236891. *PHLEUM ALPINUM* L. Poaceae.

Alpine timothy.

Col. No. 154. Along Livingstone Creek, Coleman-Kananaskis Road. Elevation 6,000 feet. Plant 8 inches high.

236892 to 236897. *POA ALPINA* L. Poaceae.

Bluegrass.

236892. Col. No. 148. Eight miles north of Dutch Creek, Coleman-Kananaskis Road. Elevation 5,090 feet.

236893. Col. No. 160. Seventy miles north of Coleman, Coleman-Kananaskis Road. Elevation 6,500 feet. Plant 8 inches high; leaves 0.25 inch wide.

236894. Col. No. 196. Mount Norquay, Banff National Park. Elevation 5,600 feet.

236895. Col. No. 232. Clearwater Forest, 40 miles south of Nordegg, 1.5 miles south of Ram River.

236896. Col. No. 304. Northeastern slope, Mount Edith Cavell, Jasper National Park. Plant 14 inches high, erect, stout.

236897. Col. No. 308. Slope of Mount Edith Cavell, Jasper National Park.

236898 and 236899. *POA AMPLA* Merr.

Big bluegrass.

236898. Col. No. 140. Clearing near aspen woods, 17 miles north of Coleman, Coleman-Kananaskis Road. Plant 3 feet high.

236899. Col. No. 306. Moist ground, slope of Mount Edith Cavell, Jasper National Park.

236900. *POA ANNUA* L.

Annual bluegrass.

Col. No. 296. Along the McLeod River, 1 mile southwest of Mercoal.

236901 and 236902. *POA ARCTICA* R. Br.

Bluegrass.

236901. Col. No. 307. Northeastern slope, Mount Edith Cavell, Jasper National Park. Non-cespitose.

236902. Col. No. 310. Northeastern slope, Mount Edith Cavell, Jasper National Park. Weakly caespitose.

236903 to 236905. *POA CANBYI* (Scribn.) Piper

Bluegrass.

236903. Col. No. 112. Grassy slope, 4 miles west of Coleman.

236904. Col. No. 152. Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet. Plant 1.5 feet high; leaves glaucous.

236905. Col. No. 207. Spray River, Banff National Park.

236660 to 236990—Continued

- 236906 and 236907.** *POA COMPRESSA* L. **Canada bluegrass.**
236906. Col. No. 260. Two miles east of Smith.
236907. Col. No. 318. Seventeen miles north of Jasper on Route 16.
- 236908.** *POA GLAUCA* Vahl **Greenland bluegrass.**
 Col. No. 300. Along the McLeod Road, 4.5 miles south of Cadomin.
- 236909 to 236911.** *POA INTERIOR* Rydb. **Bluegrass.**
236909. Col. No. 155. Rocky ledge, Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet.
236910. Col. No. 237. Clearwater Forest, 3.5 miles south of Ram River, 42 miles south of Nordegg.
236911. Col. No. 301. Along the McLeod Road, 4.5 miles south of Cadomin.
- 236912 to 236914.** *POA PALUSTRIS* L. **Fowl meadowgrass.**
236912. Col. No. 258. Two miles east of Smith. Plant 15 inches high; densely caespitose.
236913. Col. No. 269. Along Sturgeon Lake, 3 miles west of Calais. Plant 1.5 feet high; caespitose; leaves narrow, erect.
236914. Col. No. 294. Two miles northeast of Coalspur.
- 236915 and 236916.** *POA PRATENSIS* L. **Kentucky bluegrass.**
236915. Col. No. 14. Associated with *Festuca idahoensis* in yellow pine woods, 3 miles west of Elko on Route 3, British Columbia. Elevation 3,700 feet.
236916. Col. No. 58. Dry hillside, 2 miles north of La Forme Creek, Big Bend Highway, British Columbia. Plant 2.5 feet high; heavy seeder.
- 236917.** *POA* sp.
 Col. No. 153. Lodgepole pine woods, Livingstone Falls, Coleman-Kananaskis Road. Elevation 6,000 feet. Plant 2.5 feet high.
- 236918 to 236921.** *POA PRATENSIS* L. **Kentucky bluegrass**
236918. Col. No. 195. Mount Norquay, Banff National Park. Elevation 5,600 feet. Plant 2 feet high.
236919. Col. No. 201. One mile north of Banff along the Bow River. Elevation 4,500 feet.
236920. Col. No. 297. Along the McLeod River, 4.5 miles south of Cadomin.
236921. Col. No. 311. Northern slope, Mount Edith Cavell, Jasper National Park. Plant 10 inches high; stoloniferous.
- 236922.** *POA STENANTHA* Trin. **Bluegrass.**
 Col. No. 309. Northeastern slope, Mount Edith Cavell, Jasper National Park. Plant 1.5 feet high; caespitose.
- 236923.** *POA* sp.
 Col. No. 168. Alpine meadow, Sunshine Ski Lodge, Banff National Park. Elevation 7,300 feet.
- 236924 and 236925.** *POA PRATENSIS* L. **Kentucky bluegrass.**
236924. Col. No. 229. Clearwater Forest, 1.5 miles south of Ram River, 40 miles south of Nordegg.
236925. Col. No. 305. Slope of Mount Edith Cavell, Jasper National Park. Plant 1.5 feet high, nodding, caespitose.
- 236926.** *PRUNUS EMARGINATA* Dougl. **Amygdalaceae.**
 Col. No. 42. Along Yard Creek, Eagle Pass, British Columbia. Bush 15 feet high; fruits size of large pea, deep red.

236660 to 236990—Continued**236927. PRUNUS PENSYLVANICA L.**

Col. No. 262. Two miles east of Smith. Bush type.

**236928. PRUNUS VIRGINIANA var. MELANOCARPA (A. Nels.) Sarg.
Black chokecherry.**

Col. No. 278. Arid slope along the Peace River near Dunvegan.

236929. PURSHIA TRIDENTATA (Pursh) DC. Rosaceae.

Col. No. 15. Three miles west of Elko on Route 3, British Columbia. Plant high in tannic acid.

236930. RANUNCULUS INAMOENUS Greene Ranunculaceae.

Col. No. 150. Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet.

236931. RANUNCULUS PURSHII Richards.

Col. No. 236. Forty miles south of Nordegg, 1.5 miles south of Ram River, Clearwater Forest.

236932. RANUNCULUS REPTANS L.

Col. No. 235. Forty miles south of Nordegg, 1.5 miles south of Ram River, Clearwater Forest.

236933. RANUNCULUS SCELERATUS L.

Col. No. 253. Along the Athabasca River, Athabasca.

236934. RANUNCULUS UNCINATUS var. PARVIFLORUS (Torr.) Benson

Col. No. 132. Lodgepole pine slope, trail to Bertha Lake, Waterton Lakes National Park. Elevation 4,500 feet.

236935. RANUNCULUS sp.

Col. No. 159. Sentinel Peak, Coleman-Kananaskis Road. Elevation 7,785 feet.

236936 to 236942. ROSA ACICULARIS var. SAYIANA Erlanson Rosaceae. Rose.

236936. Col. No. 166. Canmore. Open spruce woods. Bush 2 feet high.

236937. Col. No. 171. Nixon Creek, Kootenay National Park, British Columbia. Elevation 4,000 feet.

236938. Col. No. 191. Open slope, 4.5 miles west of Banff, road to Strom's Halfway Cabin, Banff National Park. Elevation 4,600 feet.

236939. Col. No. 218. Clearwater Boundary, Forest Campgrounds, 12 miles east of Nordegg. Bush 2 feet high.

236940. Col. No. 251. Along road near aspen woods, 2 miles south of Athabasca. Bush 3 feet high; leaves, fall color, deep red; hips soft, orange.

236941. Col. No. 237. Along Sturgeon Lake, 3 miles west of Calais. Single plant 4 feet high; heavy fruiter; hips elongated, 1 inch long, translucent, bright orange-red.

236942. Col. No. 272. Open aspen woods, along Sturgeon Lake, 3 miles west of Calais. Bush 3 feet high, fruiting heavily.

236943 and 236944. ROSA ARKANSANA Porter Rose.

236943. Col. No. 283. Along the Peace River near Dunvegan. Plant 10 inches high.

236944. Col. No. 320. Twelve miles north of Saskatoon on Route 5, Saskatchewan. Plant low, nearly prostrate.

236945. ROSA BLANDA Ait. Meadow rose.

Col. No. 323. Steep bank of Rainy River, west of Fort Francis, Ontario. Plant 4 feet high, nearly thornless.

236660 to 236990—Continued**236946.** *ROSA WOODSII* Lindl.**Woods rose.**

Col. No. 321. High plateau north edge of Brandon, Manitoba.

236947. *RUBUS ACAULIS* Michx. Rosaceae.

Col. No. 177. Open spruce woods near McCleod Creek, Kootenay National Park, British Columbia. Trailing vine.

236948. *RUBUS CHAMAEMORUS* L.

Col. No. 263. Along Lesser Slave Lake, 5 miles west of Jossard.

236949 to 236951. *RUBUS IDAEUS* var. *STRIGOSUS* (Michx.) Maxim.**European raspberry.****236949.** Col. No. 40. Sawdust dump near edge of town, Revelstoke, British Columbia. Elevation 1,440 feet. Fruits large, flavor good.**236950.** Col. No. 72. Sandy soil along bank of Kuskonook Creek, 2 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Plant with bushy habit; fruits large, juicy.**236951.** Col. No. 190. Sunny slope, 4.5 miles west of Banff on road to Strom's Halfway Cabin. Elevation 4,600 feet. Bush 2 feet high; fruits large.**236952.** *RUBUS LEUCODERMIS* Dougl.

Col. No. 41. Dry rocky slope along Yard Creek, 13 miles southwest of Nakakwa, Eagle Pass, British Columbia. Elevation 1,500 feet. Plant upright, canes self-supporting; fruits large, purple.

236953 and 236954. *RUBUS PARVIFLORUS* Nutt. **White flowering raspberry.****236953.** Col. No. 51. Yard Creek, Eagle Pass, British Columbia, on dry sandy hillside.**236954.** Col. No. 70. Along Kuskonook Creek, 12 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Fruits very large, juicy, delicious.**236955.** *RUBUS PEDATUS* Smith

Col. No. 313. Northern slope, Mount Edith Cavell, Jasper National Park.

236956. *RUBUS PUBESCENS* Raf.

Col. No. 167. Open spruce woods, Canmore.

236957. *SAMBUCUS MELANOCARPA* A. Gray Caprifoliaceae.**Elder.**

Col. No. 53. Moist bank, 5 miles west of Griffin Lake near Kay Falls, Eagle Pass, British Columbia. Bush 10 feet high; fruit large, wine color.

236958. *SAMBUCUS PUBENS* Michx.**Scarlet elder.**

Col. No. 52. Along moist banks, 5 miles west of Griffin Lake near Kay Falls, Eagle Pass, British Columbia. Bush 10 feet high; fruit small, bright red.

236959. *SANICULA MARILANDICA* L. Apiaceae.

Col. No. 284. Arid slope along the Peace River near Dunvegan.

236960. *SHEPHERDIA CANADENSIS* f. *XANTHOCARPA* Rehd. Elaeagnaceae.

Col. No. 186. Along the Bow River, 4.5 miles west of Banff. Elevation 4,600 feet. Fruits yellow.

236961. *Sium SUAVE* Walt. Apiaceae.

Col. No. 286. Bear Lake, 5 miles northwest of Grimshaw.

236962 to 236967. *STIPA COLUMBIANA* Macoun Poaceae.**Needlegrass.****236962.** Col. No. 21. Douglas-fir along Toby Creek, 6 miles west of Wilmer, British Columbia. Elevation 3,100 feet. Plant 2.5 feet high; vegetative growth poor; good seeder.**236963.** Col. No. 87. Arid rocky soil, 6 miles southeast of Moyie, British Columbia.

226660 to 236990—Continued**236962 to 236967—Continued**

236964. Col. No. 92. Dry rocky plains associated with yellow pine, larch and spruce, 3 miles northwest of Cranbrook, British Columbia. Plant 3 feet high.

236965. Col. No. 97. Three miles west of Route 95 on St. Mary's Lake Road, British Columbia.

236966. Col. No. 100. Along Fairy Creek, 1 mile west of Fernie, British Columbia. Plant 3 feet high, drooping.

236967. Col. No. 129. Opening in lodgepole pine woods, 4 miles north of Coleman, Coleman-Kananaskis Road. Plant 3 feet high.

236968. STIPA COMATA var. **INTERMEDIA** Scribn. & Tweedy **Needlegrass.**

Col. No. 48. Burned over parkland meadow, road to the Dominion Experiment Plots, Pass Lake, British Columbia, 10 miles north of Kamloops. Pure stand; plants 2 feet high.

236969. STIPA LETTERMANII Vasey **Needlegrass.**

Col. No. 98. Open parkland, 5 miles southeast of Rapport, British Columbia. Plant 2 feet high, spreading; spikes usually sheathed by blades; awns 3 inches long, curled.

236970 to 236973. STIPA RICHARDSONII Link **Needlegrass.**

236970. Col. No. 22. Open Douglas-fir woods along Toby Creek, 6 miles west of Wilmer, British Columbia. Elevation 3,100 feet. Plant 2.5 feet high; outstanding vegetative growth; good bunch.

236971. Col. No. 91. Three miles northwest of Cranbrook, British Columbia. Plant 4 feet high; large.

236972. Col. No. 99. Open yellow pine parkland, 5 miles southeast of Rapport, British Columbia.

236973. Col. No. 145. Open dry field, Racehorse Creek Camp, Coleman-Kananaskis Road. Plant 3 feet high.

236974 and 236975. STIPA VIRIDULA Trin. **Green needlegrass.**

236974. Col. No. 216. Sandy shelf overlooking the Ghost River, 11 miles west of Cochrane.

236975. Col. No. 279. Along shelf of Peace River near Dunvegan. Plant 3 feet high, spreading; clumps large.

236976. VACCINIUM CAESPITOSUM Michx. **Vacciniaceae. Blueberry.**

Col. No. 220. Lodgepole pine woods, Clearwater Forest, boundary campgrounds, 12 miles east of Nordegg. Plant 3 feet high; prolific fruiter.

236977. VACCINIUM MEMBRANACEUM Dougl. **Blueberry.**

Col. No. 73. Sandy bank along the Kuskonook Creek, 2 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Plant 3.5 feet high; fruits 0.75 inch in diameter, very juicy.

236978 to 236982. VACCINIUM MYRTILLOIDES Michx. **Blueberry.**

236978. Col. No. 43. Opening along Yard Creek, Eagle Pass, British Columbia. Elevation 1,500 feet.

236979. Col. No. 71. Sandy bank along Kuskonook Creek, 2 miles north of Nakusp, British Columbia. Elevation 1,400 feet. Bushes 3 feet high; fruits 0.5 inch in diameter; yield heavy.

236980. Col. No. 255. Sandy soil, 2 miles east of Smith. Plant 4 feet high.

236981. Col. No. 264. Sphagnum bog along Lesser Slave Lake, 5 miles west of Jossard. Plant 5 feet high.

236982. Col. No. 293. Thirty-six miles northwest of Whitecourt. Plant 8 feet high; fruits very large, clustered; ripening period very short; possible commercial value.

236660 to 236990—Continued**236983.** *VACCINIUM SCOPARIUM* Leiberg**Blueberry.**

Col. No. 33. Spruce woods, campgrounds along the Kickinghorse River, Yoho National Park, British Columbia. Elevation 4,200 feet. Fruits red, growing close to ground.

236984. *VERATRUM ESCHSOLTZII* (Roem. & Schult.) A. Gray *Melanthiaceae*.

Col. No. 125. Trail to Bertha Lake, lodgepole pine slope, Waterton Lakes National Park. Elevation 4,300 feet.

236985 to 236987. *VIBURNUM TRILOBUM* Marsh. *Caprifoliaceae*.

236985. Col. No. 170. Nixon Creek, Kootenay National Park, British Columbia. Elevation 4,000 feet.

236986. Col. No. 188. Along Bow River, 4.5 miles west of Banff. Elevation 4,600 feet.

236987. Col. No. 287. Bear Lake, 5 miles west of Grimshaw.

236988 and 236989. *VICIA AMERICANA* Muhl. *Fabaceae*.**Vetch.**

236988. Col. No. 68. Old gravel pit, 5 miles south of Nakusp, British Columbia. Elevation 1,400 feet.

236989. Col. No. 135. Clearing in lodgepole pine woods, 4 miles north of Coleman, Coleman-Kananaskis Road.

236990. *ZIZIA APTERA* (A. Gray) Fernald *Apiaceae*.

Col. No. 151. Livingstone Falls Camp, Coleman-Kananaskis Road. Elevation 6,000 feet.

236991. *FERONIA LIMONIA* (L.) Swingle *Rutaceae*.**Wood apple.**

From India. Seeds presented by E. Pollock, Parks, New South Wales, Australia. Received Jan. 23, 1957.

Collected by the silviculturist, Poona, Bombay.

236992. *CAPSICUM FRUTESCENS* L. *Solanaceae*.**Redpepper.**

From Greece. Seeds presented by the Agricultural Attache, American Embassy, Athens. Received Jan. 24, 1957.

Grown in the Edessa area of northern Greece.

236993 and 236994.

From Chile. Seeds collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 24, 1957.

236993. *BERBERIS HETEROPHYLLA* Juss. *Berberidaceae*.**Barberry.**

Col. No. 94. Puerto Montt market. Jan. 11, 1957. Fruits 0.25 inch in diameter.

236994. *FRAGARIA CHILOENSIS* (L.) Duchesne *Rosaceae*. **Chiloe strawberry.**

Col. No. 92. Hillside 5 km. from Coyhauque. Jan. 12, 1957. Elevation 456 meters. Climate dry in summer, temperature 13° F. in winter, cold year round.

236995 to 237001. *ZEA MAYS* L. *Poaceae*.**Corn.**

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Jan. 24, 1957.

236995 to 236998. From Nebraska.

236995. 'Nebraska A'. Open pollinated variety Minusinka, Siberia, U.S.S.R.

236995 to 237001—Continued**236995 to 236998—Continued****236996.** 'Nebraska B'. Inbred C-84. Dnepropetrovsk, U.S.S.R.**236997.** 'Nebraska C'. Inbred 6-907. Dnepropetrovsk, U.S.S.R.**236998.** 'Nebraska D'. Open pollinated, Grieshevskaya, Dnepropetrovsk, U.S.S.R.**236999 to 237001.** From the Agricultural Experiment Station, Columbia, Mo. Basic breeding stocks.**236999.** Open pollinated; 110 days, yellow, certified 1955, Acc. 2450.**237000.** Open pollinated; midland, 1955, Acc. 2293.**237001.** Open pollinated; Cassell, 1955.**237002 to 237051. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae.
Chiloe strawberry.**

From Chile. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 25, 1957. Collected Dec. 1956 and Jan. 1957.

237002. Col. No. 43. Fundo Los Mercedes, 12 km. north of Santiago.**237003 to 237008.** Cordillera de Los Raices.**237003.** Col. No. 46. Fruits very large. **237006.** Col. No. 50.**237004.** Col. No. 47. **237007.** Col. No. 52.**237005.** Col. No. 48. **237008.** Col. No. 59.**237009.** Col. No. 60. Near hotel, Ternas de Tolhuaca.**237010 to 237014.** Road by Lake Malleco.**237010.** Col. No. 81. **237013.** Col. No. 84.**237011.** Col. No. 82. **237014.** Col. No. 85.**237012.** Col. No. 83.**237015.** Col. No. 88. Cordillera de Los Raices.**237016.** Col. No. 89. Ternas de Tolhuaca, near Lake Malleco.**237017 to 237019.** Beaches west of Maullin.**237017.** Col. No. 89A. **237019.** Col. No. 91.**237018.** Col. No. 90.**237020.** Col. No. 93. Near Coyhuaque. Elevation 650 meters.**237021.** Col. No. 96. Alta Road, 16 km. from Coyhuaque.**237022.** Col. No. 99. Coyhuaque.**237023 to 237027.** Mountain side east of Coyhuaque.**237023.** Col. No. 100. **237026.** Col. No. 104.**237024.** Col. No. 102. **237027.** Col. No. 105.**237025.** Col. No. 103.**237028 to 237033.** Catta Road, 16 km. from Coyhuaque.**237028.** Col. No. 106. **237031.** Col. No. 111.**237029.** Col. No. 108. **237032.** Col. No. 112.**237030.** Col. No. 109. **237033.** Col. No. 114.**237034.** Col. No. 116. Mountain side, 650 meters above Coyhuaque.

237002 to 237051—Continued

237035 to 237049. 650 meters above Coyhuaque.

237035. Col. No. 117.	237043. Col. No. 125.
237036. Col. No. 118.	237044. Col. No. 126.
237037. Col. No. 119.	237045. Col. No. 127.
237038. Col. No. 120.	237046. Col. No. 128.
237039. Col. No. 121.	237047. Col. No. 129.
237040. Col. No. 122.	237048. Col. No. 130.
237041. Col. No. 123.	237049. Col. No. 131.
237042. Col. No. 124.	

237050. Col. No. 132. Along road from Coyhuaque to Balmacedo. Elevation 500 meters.

237051. Cordillera de los Raices.

237052 and 237053. FRAGARIA (hybrids). Rosaceae. Strawberry.

From Peru. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 25, 1957. Presented by the Peru Ministry of Agriculture, American Embassy, Lima.

237052. Lot A. Variety best adapted to short days; about 11° S. Latitude.

237053. Lot B.

237054 to 237077. HEVEA BRASILIENSIS (A. Juss.) Muell.-Arg. Euphorbiaceae. Para rubber tree.

From the United States. Clones growing at the United States Plant Introduction Station, Coconut Grove, Florida. Numbered Jan. 28, 1957.

Resistant to South American leaf blight caused by *Dothidella ulei* P. Henn.

237054. GU-1. 'Madre de Dios'. Selected for best yield from seeds collected in Peru.

237055 to 237075. Clones result of backcross or outcross between susceptible eastern clone and a F₁ progeny (resistant × susceptible). Originally from Guatemala.

237055. GU-16. GA-1581 × IAN-45-833.
237056. GU-62. GV-31 × IAN-45-833.
237057. GU-64. GV-31 × IAN-45-833.
237058. GU-68. GV-31 × IAN-45-912.
237059. GU-81. GV-37 × IAN-45-898.
237060. GU-83. GV-55 × IAN-45-833.
237061. GU-84. GV-55 × IAN-45-833.
237062. GU-85. GV-55 × IAN-45-833.
237063. GU-86. GV-55 × IAN-45-833.
237064. GU-90. GT-711 × IAN-45-912.
237065. GU-108. GV-17 × IAN-45-833.
237066. GU-100. GV-17 × IAN-45-833.
237067. GU-117. GV-17 × IAN-45-833.
237068. GU-118. GV-17 × IAN-45-833.
237069. GU-120. GV-17 × IAN-45-833.
237070. GU-121. GV-17 × IAN-45-898.

237054 to 237077—Continued**237055 to 237075—Continued****237071.** GU-128. GV-17 $\times$ IAN-45-912.**237072.** GU-158. GA-1581 $\times$ FX-25.**237073.** GU-164. GA-1581 $\times$ FX-25.**237074.** GU-181. GV-17 $\times$ FX-25.**237075.** GU-204. GT-711 $\times$ FX-25.**237076 and 237077.** Primary crosses between an eastern clone and a resistant jungle selection. Originally from Guatemala.**237076.** GU-144.**237077.** GU-148.**237078 to 237088.** SACCHARUM (hybrids). Poaceae. **Sugarcane.**

From China. Cuttings presented by the Taiwan Sugar Experiment Station, Tainan, Taiwan. Received Jan. 28, 1957.

237078. F38-752.**237084.** P.T. 48-7.**237079.** F40-219.**237085.** P.T. 50-2.**237080.** F40-399.**237086.** P.T. 50-533.**237081.** F-135.**237087.** P.T. 50-777.**237082.** F-136.**237088.** P.T. 51-11.**237083.** P.T. 46-150.**237089.** ONOBYRCHIS VICIAEFOLIA Scop. Fabaceae. **Sainfoin.**

From Turkey. Seeds presented by the Agricultural Specialist, United States Mission to the North Atlantic Treaty Organization, Paris, France. Received Jan. 28, 1957.

237090. AVENA SATIVA L. Poaceae. **Common oats.**

From Brazil. Seeds obtained by Field Crops Research Branch, Beltsville, Md. Received Jan. 28, 1957.

Collected by Mario Bastos Logas from Julio de Castilhos, Rio Grande do Sul.

237091 to 237095.

From Singapore. Seeds presented by the Director of the Botanic Gardens, Singapore. Received Jan. 28, 1957.

237091. CALONYCTION ACULEATUM (L.) House Convolvulaceae.**Moonflower.****237092.** IPOMOEA DIGITATA L. Convolvulaceae. **Fingerleaf morning-glory.****237093.** IPOMOEA GRACILIS R. Br. **Morning-glory.****237094.** IPOMOEA PULCHELLA Roth **Morning-glory.****237095.** QUAMOCLIT sp. Convolvulaceae.**237096 to 237106.**

From Western South America. Plants collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 28, 1957. Collected Jan. 1957.

237096. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. **Chiloe strawberry.**

Col. No. 135. Huachi, Chile. Elevation 3,011 meters.

237097. FRAGARIA VESCA L. **European strawberry.**

Col. No. 136. Twenty-nine km. from Banos, toward Ambato, Ecuador. Elevation 2,800 meters. Wild.

237096 to 237106—Continued**237098.** *RUBUS CHOACHIENSIS* Berger Rosaceae.

Col. No. 144. East of Bogota, Colombia. Elevation 2,892 meters. Wild; fruits large.

237099. *RUBUS GACHETENSIS* Berger

Col. No. 145. East of Bogota, on Chipaque Road. Elevation 3,200 meters. Wild; giant globose black berry.

237100 and 237101. *RUBUS MACROCARPUS* Benth. **Colombian blackberry.****237100.** Col. No. 140. Roadside beyond San Miguel, Bogota, Colombia. Fruits and flower buds large.**237101.** Col. No. 146. Tunguragua, Ecuador.**237102.** *RUBUS ROSEUS* Poir.

Col. No. 137. Tunguragua, 18 km. from Banos, road to Rio Bamba, Ecuador. Plants large, very productive; fruits large.

237103. *RUBUS* sp.

Col. No. 133. Above road, 28 km. from Banos, Ecuador. Elevation 2,800 meters. Plant wild; fruit black berry, clustered, large.

237104. *RUBUS* sp.

Col. No. 134. Twenty-eight km. from Banos toward Ambato, Ecuador. Elevation 2,800 meters. Plant wild; berry black, clustered, giant.

237105. *RUBUS* sp.

Col. No. 141. Roadside beyond San Miguel, 44 km. from hotel, Fusagasuga Road, Bogota, Colombia. Plant wild; fruits medium-sized.

237106. *RUBUS* sp.

Col. No. 142. Roadside beyond San Miguel, 44 km. from hotel on Fusagasuga Road, Bogota, Colombia. Plant wild; fruits small.

237107. *ALLIUM SATIVUM* L. Liliaceae.**Garlic.**

From the United States. Cloves growing at the Regional Plant Introduction Station, Geneva, New York. Numbered Jan. 28, 1957.

N.H. #21. 'Egyptian'. Collected by E. M. Meader in Seabrook, N.H. Plant makes top-sets useful for flavoring in addition to the usual cloves.

237108. *VACCINIUM MERIDIONALE* Sw. Vacciniaceae. **Blueberry.**

From Colombia. Seeds collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 28, 1957.

Col. No. 143. 'Agraz'. Ten km. beyond Choconta. Plant productive; berries in clusters.

237109. *CUCUMIS MELO* L. Cucurbitaceae.**Muskmelon.**

From Israel. Seeds presented by Jacob Oppenheimer, Executive of the Jewish Agency, Jerusalem. Received Jan. 28, 1957.

Originally from Spain.

237110. *ANDROPOGON* sp. Poaceae.

From the United States. Seeds presented by the Soil Conservation Nursery, Tucson, Arizona. Received Jan. 28, 1957.

A-14827. Originally from Al Khars, Saudi Arabia.

237111. *PANICUM PROLUTUM* F. Muell. Poaceae.

From the United States. Seeds presented by the Soil Conservation Nursery, Tucson, Arizona. Received Jan. 29, 1957.

A-2664. Originally from the Department of Agriculture, Sydney, Australia.

237112 to 237115.

From India. Seeds presented by the Director of Agriculture and Food Production, Orissa, Cuttack. Received Jan. 29, 1957.

237112 and 237113. *DOLICHOS BIFLORUS* L. Fabaceae. **Twintflower dolichos.**

237112. Sel. No. A. 39. Plant spreading, early type; foliage green; flower whitish-yellow; pods buff.

237113. Sel. No. 164. Plant spreading, early; foliage green; flowers whitish-yellow; pods buff.

237114 and 237115. *PHASEOLUS AUREUS* Roxb. Fabaceae. **Mung bean.**

237114. Sel. No. 150. Plant early, spreading; leaves medium size; flowers olive-yellow, auxiliary and terminal; pods with no distinct suture.

237115. Sel. No. 696. Plant spreading; stem angular; leaves medium size, green; flowers auxiliary and terminal; pods light brown; seeds green.

237116 to 237120. *PICEA ABIES* (L.) Karst. Pinaceae.

Norway spruce.

From the Netherlands. Scions presented by the Old Farm Nurseries, Boskoop. Received Jan. 29, 1957.

237116. 'Globosa Nana'.

237119. 'Merkii'.

237117. 'Hornibrooki'.

237120. 'Pumila Glauca'.

237118. 'Humilis'.

237121 and 237122.

From Chile. Seeds collected by George M. Darrow, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 29, 1957.

237121. *ANEMONE MULTIFIDA* Poir. Ranunculaceae.

Coyhuaque. Jan. 12, 1957. Flowers white.

237122. *RIBES* sp. Grossulariaceae.

Col. No. 95. Lower slopes above Coyhuaque. Elevation 550 meters. Jan. 12, 1957. Fruits small, fine-flavored, black; clusters long.

237123 to 237127.

From the United States. Collected by E. P. Imle, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 30, 1957.

Collected near Beltsville. Jan. 26, 1957.

237123. *DIOSCOREA* sp. Dioscoreaceae.

Lot 1. (Roots.)

237124. *DIOSCOREA* sp.

Lot 2. (Roots.)

237125. *DIOSCOREA* sp.

Lot 3. (Roots, pods and seeds.)

237126. *DIOSCOREA* sp.

Lot 4. (Seeds.)

237127. *DIOSCOREA* sp.

Lot 5. (Seeds.)

237128 to 237130.

From Argentina. Seeds presented by Guillermo Hunziger, Estancia "La Rosas." Received Jan. 30, 1957.

237128. *AXONOPUS COMPRESSUS* (Swartz) Beauv. Poaceae.

237128 to 237130—Continued

237129. *ECHINOCHLOA CRUS-PAVONIS* (H. B. K.) Schult. Poaceae.

237130. *PASPALUM CONSPERSUM* Schrad. ex Schult. Poaceae.

237131 to 237137. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Italy. Seeds presented by the Stazione Sperimentale per l'Industria delle Conserve Alimentari, Parma. Received Jan. 30, 1957.

236131. 'Ficarazzi'. Plant to 2.5 feet; foliage vigorous; fruits much furrowed, flattened, to 6 per cluster, dark red.

237132. 'Genovese'. Plant up to 1.5 feet; foliage vigorous; fruits fleshy, very sweet, large, to 6 per cluster, not subject to splitting.

237133. 'Ladino di Panocchia'. Plant 2 feet high, very vigorous; fruits to 5 in clusters, marked furrow, flattened, irregular, bright red.

237134. 'Nostrano Grosso'.

237135. 'Perdrigeon'.

237136. 'Pierette'.

237137. 'San Marzano'. Fruits elongated, about 3 inches long; irregularly cylindrical; furrow light, longitudinal; flesh firm; skin thick.

237138 and 237139.

From Finland. Seeds presented by the Department of Plant Husbandry, Agricultural Research Center, Tikkurila. Received Jan. 30, 1957.

237138. *TRIFOLIUM HYBRIDUM* L. Fabaceae.

Alsike clover.

237139. *TRIFOLIUM PRATENSE* L.

Red clover.

237140. INDIGOFERA ENDECAPHYLLA Jacq. Fabaceae.

Creeping indigo.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Jan. 30, 1957.

237141 to 237147.

From Costa Rica. Seeds presented by the University of Florida Agricultural Mission to Costa Rica, San Jose. Received Jan. 30, 1957.

237141 to 237144. *PASPALUM NOTATUM* Fluegge Poaceae.

Bahia grass.

237141. Collected in Bahia Liberia.

237142. Collected in Guanacaste.

237143. Collected in park, Liberia.

237144. Collected in Los Diamantes.

237145. *DESMODIUM CANUM* (Gmel.) Schinz & Thell. Fabaceae.

Kaimi-clover.

Los Diamantes.

237146. *INDIGOFERA ENDECAPHYLLA* Jacq. Fabaceae.

Creeping indigo.

237147. *LEUCAENA LEUCOCEPHALA* (Lam.) DeWit Mimosaceae. **Leadtree.**

237148 to 237153. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Liberia. Seeds presented by the United States Operations Mission, Monrovia. Received Jan. 31, 1957.

237148. 'Ineac'.

237151. 'Rennie No. 5'.

237149. 'Rennie No. 3'.

237152. 'Rennie No. 6'.

237150. 'Rennie No. 4'.

237153. 'Tolbert No. 1'.

237154. ALEURITES MONTANA (Lour.) Wilson Euphorbiaceae. Mu-oil tree.

From Nyasaland. Seeds presented by the Agricultural Experimental Station, Limbe. Received Feb. 1, 1957.

237155. ALLIUM sp. Liliaceae.

From Greece. Bulbs presented by the Agricultural Attache, American Embassy, Athens. Received Feb. 4, 1957.

237156 to 237166.

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Christchurch. Received Feb. 4, 1957.

237156. DANTHONIA RAOULII var. FLAVESCENS (Hook. f.) Hack. Poaceae. Oatgrass.

237157. DANTHONIA RACEMOSA R. Br. Oatgrass.

237158. FESTUCA RUBRA L. Poaceae. Red fescue.

237159. DICHELACHNE SCIUREA (R. Br.) Hook. f. Poaceae.

237160. DANTHONIA UNAREDE Raoul Poaceae. Oatgrass.

237161. FESTUCA NOVAE-ZELANDIAE (Hack.) Cockayne Poaceae. Fescue.

237162. POA ACICULARIFOLIA Buch. Poaceae. Bluegrass.

237163. POA LINDSAYI Hook. f. Bluegrass.

237164. POA MANIOTOTO Petrie Bluegrass.

237165. POA sp.

237166. PUCCINELLIA STRICTA (Hook. f.) Blom Poaceae.

237167. PICEA ORIENTALIS (L.) Link Pinaceae. Oriental spruce.

From Great Britain. Scions presented by John Waterer, Sons & Crisp, Ltd., Nursery, Bagshot, Surrey, England. Received Feb. 4, 1957.

'Compacta'.

237168 and 237169.

From the Philippines. Seeds presented by the Forest Products Laboratory, Laguna. Received Feb. 4, 1957.

237168. FICUS AMPELOS Burm. f. Moraceae. Fig.

237169. FICUS HAULI Blanco Fig.

237170 to 237172. TRIFOLIUM PRATENSE L. Fabaceae.

Red clover.

From Denmark. Seeds presented by Trifolium Fr., Copenhagen. Received Feb. 5, 1957.

237170. 05033.

237172. 05284.

237171. 05142.

237173 to 237201.

From the Netherlands. Seeds presented by the Foundation for Agricultural Plant Breeding, Agricultural University, Wageningen.

237173. ARRHENATHERUM ELATIUS (L.) Presl Poaceae. Tall oatgrass.

'Mommersteeg's Frans Raaigas'.

237174 to 237177. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

237174. 'Kropaar CB'.

237176. 'Kropaar Heidemy'.

237175. 'Kropaar Sel. Barenza'.

237177. 'Mommersteeg's Kropaar'.

237173 to 237201—Continued

- 237178.** *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
From selected clones.
- 237179.** *FESTUCA OVINA* L. Sheep fescue.
'Mommersteeg's Fijnbladig Schapengras'.
- 237180 and 237181.** *FESTUCA RUBRA* L. Red fescue.
237180. 'Mommersteeg's Uitlopervormend Roodzwenkgras'.
237181. 'Brabantia'.
- 237182.** *FESTUCA RUBRA* var. *COMMUTATA* Gaud. Chewing's fescue.
'Gewoon Roodzwenkgras Brabantia'.
- 237183 to 237187.** *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.
237183. 'Barenza'. English; wide-leaf type.
237184. 'Barenza'. English; early hay type.
237185. English hay type.
237186. English; September wide-leaf type.
237187. 'Mommersteeg's English'. Late hay type.
- 237188.** *LOTUS PEDUNCULATUS* Cav. Fabaceae. Big trefoil.
- 237189.** *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
- 237190 and 237191.** *PHLEUM PRATENSE* L. Poaceae. Timothy.
237190. 'Barenza'. Hay type.
237191. September wide-leaf type.
- 237192.** *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
'Brabantia'. Grazing type.
- 237193 to 237198.** *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
237193. 'Groninger'. **237196.** 'CB'.
237194. 'Gendringse'. **237197.** 'Rode Maas'.
237195. 'Kuhn'. **237198.** 'Roosendaalse'.
- 237199 to 237201.** *TRIFOLIUM REPENS* L. White clover.
237199. 'Witte Cultuur Klaver CB'.
237200. 'Witte Weideklaver CB'.
237201. 'Weledelzeergeleerde Heer'. (Wild white.)
- 237202.** *RAUVOLFIA VOMITORIA* Afzel. Apocynaceae. Devilpepper.
From Belgian Congo. Seeds presented by Dr. H. Hurlimann, Kisantu. Received Feb. 6, 1957.
- 237203 to 237211.** *SOLANUM TUBEROSUM* L. Solanaceae. Potato.
From Ecuador. Tubers presented by Estacion Experimental Tropical, Pichilingue. Received Feb. 7, 1957.
Grown in vicinity of Latacunga, Province of Cotopaxi. Elevation 3,800 meters.
237203. 'Calvache No. 7'. Hacienda Chisulchi. Tubers large, elongated, rose color.
237204. 'Chaucha Blanea No. 9'. Hacienda Chisulchi. Tubers large, elongated, pale yellow.
237205. 'Chola Negra No. 6'. Hacienda San Jose. Tubers medium size, long, terete, purple.

237203 to 237211—Continued

237206. 'Dominga No. 3'. Hacienda Isinche de Infantes, Pujili. Tubers red.

237207. 'Iacangilla No. 8'. Hacienda San Jose. Tubers large, round, rose color with white spots.

237208. 'India No. 5'. Hacienda Puseichise. Tubers large, rose color.

237209. 'Jardinera No. 2'. Hacienda Patoa, Pujili. Tubers large, reddish-purple.

237210. 'Ubilla Negra No. 1'. Hacienda San Antonio. Tubers round, medium size, black.

237211. 'Ursulo No. 4'. Hacienda Chisulchi. Tubers large, rose color with yellow spots.

237212. *Gossypium* (hybrid). Malvaceae. **Cotton.**

From Great Britain. Seeds presented by the Empire Cotton Growing Cooperation, London, England. Received Feb. 6, 1957.

'Wilds Early'. Grown in Aden.

237213. *Medicago sativa* L. Fabaceae. **Alfalfa.**

From France. Seeds presented by Tourneur Freres, Coulommiers (Seine-et-Marne). Received Feb. 6, 1957.

'501 Tourneur'. ('Cardinal').

237214. *Ipomoea purpurea* (L.) Roth Convolvulaceae. **Common morning-glory.**

From Belgium. Seeds presented by the Botanical Garden, Antwerp. Received Feb. 6, 1957.

237215. *Medicago sativa* L. Fabaceae. **Alfalfa.**

From Uruguay. Seeds presented by the Food and Agricultural Organization, Montevideo. Received Feb. 7, 1957.

Originally from France, heavy producer.

237216. *Saccharum* (hybrid). Poaceae. **Sugarcane.**

From Nepal. Cuttings obtained by Dr. Ray A. Pendleton, Rabibhawan, Kathmandu. Received Feb. 7, 1957.

237217. *Gossypium* (hybrid). Malvaceae. **Cotton.**

From Sudan. Seeds presented by the Ministry of Agriculture, Cotton Breeding Section, Shambat, Khartoum, North. Received Feb. 7, 1957.

16.9.343.

237218. *Sanguisorba officinalis* L. Rosaceae.

From Great Britain. Seeds presented by the Dunn Farm Seeds Ltd., Salisbury, England. Received Feb. 7, 1957.

Originally from France.

237219 to 237256.

From Germany. Plants presented by Herm. A. Hesse, Baumschulen, Weener Ems, Ostfriesland. Received Feb. 8, 1957.

237219. *Abies balsamea* (L.) Miller Pinaceae. **Balsam fir.**
'Nana'.

237220. *Abies nordmanniana* (Stev.) Spach **Nordmann fir.**
'Pendula'.

237219 to 237256—Continued

237221. *ACER PLATANOIDES* L. Aceraceae. Norway maple.
 'Laciniatum'.
237222. *AESCULUS HIPPOCASTANUM* L. Aesculaceae. Common horse-chestnut.
 'Memmingeri'.
237223. *AESCULUS NEGLECTA* var. *TOMENTOSA* Sargent Buckeye.
- 237224 and 237225. *AESCULUS* × *HYBRIDA* DC. Buckeye.
237226. *BERBERIS THUNBERGII* DC. Berberidaceae. Japanese barberry.
 'Atropurpurea Superba'.
237227. *CEDRUS LIBANI* A. Rich. Pinaceae. Cedar of Lebanon-
 'Pendula'.
237228. *CEDRUS LIBANI* f. *STENOCOMA* Davis Turkish cedar.
237229. *FRAXINUS EXCELSIOR* L. Oleaceae. European ash.
 'Concolor Variegata'.
237230. *LABURNUM ALPINUM* (Mill.) Bercht. & Presl Fabaceae. Scotch laburnum.
 'Pendulum'.
237231. *LARIX LEPTOLEPIS* (Sieb. & Zucc.) Gord. Pinaceae. Japanese larch.
 'Pendula'.
237232. *PICEA OBOVATA* var. *ALPESTRIS* (Bruegg.) Henry Pinaceae. Spruce.
- 237233 to 237238. *PICEA ABIES* (L.) Karst. Norway spruce.
237233. 'Argenteo-spica'.
237234. 'Virgata'.
237235. 'Echiniformis'.
237236. 'Veitchii'.
237237. 'Mariae-orffiae'.
237238. 'Merkii'.
- 237239 and 237240. *PICEA MARIANA* (Mill.) B. S. P. Black spruce.
237239. 'Beissneri'.
237240. 'Beissneri'.
- 237241 and 237242. *PICEA ORIENTALIS* (L.) Link Oriental spruce.
237241. 'Gracilis'.
237242. 'Nutans'.
- 237243 to 237246. *PICEA PUNGENS* Engelm. Colorado spruce.
237243. 'Glauca Endtzii'. 237245. 'Glauca Procumbens'.
237244. 'Glauca Nana'. 237246. 'Glauca Visseriana'.
237247. *PINUS PUMILA* (Pallas) Regel Pinaceae. Japanese stone pine.
237248. *PINUS CEMBROIDES* Zucc. Pine.
237249. *PINUS DENSIFLORA* Sieb. & Zucc. Japanese red pine.
 'Pumila'.
237250. *PINUS HELDREICHII* var. *LEUCODERMIS* (Ant.) Markgraf Pine.
 'Aureo Spicata'.

237219 to 237256—Continued

237251. *PINUS MUGO* Turra Swiss mountain pine.
'Hesse'.

237252. *PINUS* × *SCHWERINII* Fitschen Pine.

237253 and 237254. *PINUS SYLVESTRIS* L. Scotch pine.

237253. 'Argentea Compacta'.

237254. 'Globosa Viridis'.

237255 and 237256. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae.
Douglas-fir.

237255. 'Pyramidalis Brevifolia'.

237256. 'Glauca Pyramidalis'.

237257 and 237258. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.

From Turkey. Seeds held at the Regional Plant Introduction Station, Experiment, Ga. Numbered Feb. 11, 1957.

Originally collected in Turkey.

237257. 'Hut Ajir'.

237258. 'Tuylu Ajir'. (Hairy.)

237259 to 237261. *ORYZA SATIVA* L. Poaceae. Rice.

From Argentina. Seeds obtained through the American Embassy, Buenos Aires. Received Feb. 11, 1957.

237259. 'Blue Rose'.

237260. 'Chacareo'.

237261. 'Japanese'.

237262 to 237292.

From Denmark. Seeds presented by the Royal Agricultural Society, Copenhagen. Received Feb. 11, 1957.

237262 to 237270. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

237262. No. 550370. 'Roskilde II'.

237263. No. 550371. 'Pajbjerg II'.

237264. No. 550372. 'Hinderupgaard II'.

237265. No. 550373. 'Daeno II'.

237266. No. 550374. 'Trifolium II'.

237267. No. 550375. 'E.F. II'.

237268. No. 550376. 'Late Roskild II'.

237269. No. 550377. 'Pajbjerg Milka II'.

237270. No. 550378. 'Adefa II'.

237271 to 237276. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.

237271. No. 550364. 'Early Oetofte II'.

237272. No. 550365. 'Late Oetofte II'.

237273. No. 550366. 'Pajbjerg II'.

237274. No. 550367. 'Daeno II'.

237275. No. 550368. 'Hinderupgaard II'.

237276. No. 550369. 'Trifolium II'.

237262 to 237292—Continued

- 237277.** *FESTUCA RUBRA* L. Red fescue.
No. 550381. 'Roskilde'.
- 237278.** *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
- 237279.** *MEDICAGO LUPULINA* L. Fabaceae. Black medic.
No. 550362. 'Roskilde'.
- 237280 and 237281.** *PHLEUM PRATENSE* L. Poaceae. Timothy.
237280. No. 550379. 'Oetofte A II'.
237281. No. 550380. 'Pajberge II'.
- 237282.** *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
No. 550382. 'Oetofte I'.
- 237283 to 237290.** *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
237283. No. 550352. 'Hinderupgaard III'.
237284. No. 550353. 'Trifolium III'.
237285. No. 550354. 'Resistent Oetofte III'.
237286. No. 550355. 'Lofa'.
237287. No. 550356. 'Daeno III'.
237288. No. 550357. 'Trifolium III'.
237289. No. 550358. 'Resistent Oetofte III'.
237290. No. 550359. 'Oetofte III'.
- 237291 and 237292.** *TRIFOLIUM REPENS* L. White clover.
237291. No. 550360. 'Lodi Oetofte I, K and V'.
237292. No. 550361. 'Morse Oetofte I and K'.

237293 to 237300

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida.
Received Feb. 11, 1957.

- 237293 to 237295.** Originally from Adelaide, South Australia.
- 237293.** *CALLISTEMON TERETIFOLIUS* F. Muell. Myrtaceae. Bottlebrush.
- 237294.** *KUNZEA POMIFERA* F. Muell. Myrtaceae.
- 237295.** *SCHOTIA SPECIOSA* Jacq. Caesalpiniaceae.
- 237296.** *DIPLANTHERA TETRAPHYLLA* R. Br. Bignoniaceae.
Originally from the Department of Forests, Lae, New Guinea.
- 237297 to 237299.** Originally from Northern Rhodesia.
- 237297.** *ENTANDROPHRAGMA DELAVAYI* De Wild. Meliaceae.
- 237298.** *ERYTHROPHLOEUM AFRICANUM* (Welw.) Harms Caesalpiniaceae.
- 237299.** *PAHUDIA AFRICANA* (Smith) Prain Caesalpiniaceae.
- 237300.** *PTEROCARPUS ANGOLENSIS* DC. Fabaceae.
Originally from Southern Rhodesia.

237301 and 237302.

From India. Seeds presented by the Forest Botanist, Forest Research Institute,
Dehra Dun. Received Feb. 11, 1957.

- 237301.** *IPOMOEA CARNEA* Hook. Convolvulaceae. Morning-glory.
- 237302.** *IPOMOEA RUBRO-CAERULEA* Jacq. Morning-glory.

237303. DIOSCOREA QUATERNATA J. F. Gmel. Dioscoreaceae. Yam.

From the United States. Seeds collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Feb. 12, 1957.

Vicinity of Rock Creek Park, Washington, D.C.

237304 to 237306. ESCALLONIA (hybrids). Escalloniaceae.

From Ireland. Plants presented by the Slieve Donard Nursery Company, Ltd., Newcastle, County Down. Received Feb. 12, 1957.

237304. 'Donard Radiance'.

237305. 'Peach Blossom'.

237306. 'Pride of Donard'.

237307 to 237334.

From Great Britain. Scions presented by Hillier & Sons, Winchester, England. Received Feb. 12, 1957.

237307 to 237310. ABIES CONCOLOR (Gord.) Hoopes Pinaceae. Fir.

237307. 'Candicans'.

237309. 'Violacea'.

237308. 'Compacta'.

237310. 'Wattezii'.

237311 and 237312. CEDRUS ATLANTICA Manetti Pinaceae. Atlas cedar.

237311. 'Aurea'.

237312. 'Fastigata'.

237313. CEDRUS BREVIFOLIA (Hook. f.) Henry Cyprian cedar.

237314. CEDRUS DEODARA (Lamb.) Loud. Deodar cedar.

'Robusta'.

237315 and 237316. CEDRUS LIBANI A. Rich. Cedar of Lebanon.

237315. 'Aurea'.

237316. 'Comte de Dijon'.

237317. LARIX DECIDUA Mill. Pinaceae. European larch.

'Fastigata'.

237318. LARIX GMELINII var. JAPONICA (Maxim.) Pilger Larch.

237319. LARIX GRIFFITHIANA (Hook.) Carr. Larch.

'Griffithii'.

237320 to 237322. PICEA ABIES (L.) Karst. Pinaceae. Norway spruce.

237320. 'Argentea'.

237321. 'Filicoides'.

237322. 'Pseudo-prostrata'.

237323. PICEA BICOLOR (Maxim.) Mayr. Spruce.

'Acicularis Reflexa'.

237324. PICEA BRACHYTYLA (Franch.) Pritzel Spruce.

237325. PICEA OMORIKA (Pancic) Masters Serbian spruce.

'Pendula'.

237326. PICEA ORIENTALIS (L.) Link Oriental spruce.

'Nana'.

237327. PINUS CEMBRA L. Pinaceae. Swiss stone pine.

'Chlorocarpa'.

237307 to 237334—Continued

237328. *PINUS PUMILA* (Pallas) Regel Japanese stone pine.
 237329 to 237331. *PINUS SYLVESTRIS* L. Scotch pine.
 237329. 'Aurea'.
 237330. 'Beauvronensis'.
 237331. 'Viridis'.
 237332 to 237334. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae.
Douglas-fir.
 237332. 'Fletcheri'.
 237333. 'Fretsii'.
 237334. 'Glauca Moerheimii'.

237335 and 237336.

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida.
 Received Feb. 13, 1957.

237335. *LUCULIA* sp. Rubiaceae.
 Country of origin unknown.
 237336. *TRIPLOCHITON ZAMBESII* Milne-Redhead Sterculiaceae.
 Originally from Bulawayo, Southern Rhodesia.

237337 and 237338. *ARACHIS HYPOGAEA* L. Fabaceae. Peanut.

From Israel. Seeds presented by the Agricultural Research Station, Rehobot.
 Received Feb. 18, 1957.

237337. 'Spanish Improved R-22'.
 237338. 'Spanish Improved R-33'.

237339. *RAUVOLFIA VOMITORIA* Afzel. Apocynaceae. Devilpepper.

From the Belgian Congo. Seeds presented by H. Hurlimann, Kisantu. Received
 Feb. 13, 1957.

237340 to 237342.

From French West Africa. Seeds presented by the Centre de Recherches Agronomiques, Bingerville, Ivory Coast. Received Feb. 13, 1957.

237340. *COFFEA ABEOKUTAE* Cramer Rubiaceae.
Coffee.
 'Indeniensis'.
 237341. *COFFEA CANEPHORA* Pierre ex Froehn. Robusta coffee.
 237342. *COFFEA LIBERICA* Bull ex Hiern Liberian coffee.

237343 to 237346.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Feb. 13, 1957.

237343. *CARTHAMUS* sp. Asteraceae.
 Cal. 54-53. Originally from Australia.
 237344. *CARTHAMUS* sp.
 Cal. 54-54. Originally from Australia.
 237345. *CARTHAMUS* sp.
 Cal. 54-60. Originally from Spain. Flowers white.

237343 to 237346—Continued**237346.** *CARTHAMUS PALAESTINUS* Eig.

Cal. 54-51. Originally from Israel. Flowers white.

237347. *CORDIA ALLIODORA* (Ruiz & Pav.) Cham. ex DC. Boraginaceae.

From Costa Rica. Seeds presented by the Inter-American Institute of Agricultural Sciences, Turrialba. Received Feb. 13, 1957.

237348. *FRAGARIA* sp. Rosaceae.

From Peru. Seed presented by the Escuela de Agricultura, La Molina. Received Feb. 18, 1957.

'Peruvian'.

237349. *HORDEUM* sp. Poaceae.

From Costa Rica. Seeds presented by Dr. Juan Bautisto, Cartago. Received Feb. 18, 1957.

'Montcalm'.

237350. *ORYZA SATIVA* L. Poaceae.**Rice.**

From Singapore. Seeds received from an unknown donor. Received Feb. 18, 1957.

'Pulot Itam'. (Black rice.)

237351 to 237353.

From the Netherlands. Plants presented by the Royal Moerheim Nurseries, Dedemsvaart. Received Feb. 18, 1957.

237351. *BERBERIS* × *HYBRIDO-GAGNEPAINII* Sur. Berberidaceae.

'Tottenham'.

237352. *MAHONIA AQUIFOLIUM* (Pursh) Nutt. Berberidaceae. **Oregon grape.**

'Vicaryi'.

237353. *MALUS* (hybrid). Malaceae.**Apple.**

'Pretty Marjory'.

237354 to 237357.

From Denmark. Seeds presented by the Director, Botanic Garden, Copenhagen. Received Feb. 18, 1957.

237354. *LACTUCA CANADENSIS* var. *LONGIFOLIA* (Michx.) Farwell Cichoriaceae.
Lettuce.**237355.** *LACTUCA LIVIDA* Boiss. & Reut. **Lettuce.****237356.** *LACTUCA MURALIS* (L.) Fresen. **Lettuce.****237357.** *LACTUCA SERRIOLA* L. **Lettuce.****237358.** *PRUNUS SERRULATA* Lindl. Amygdalaceae.**Oriental flowering cherry.**

From Maryland. Tree growing at the United States Plant Introduction Station, Glenn Dale. Numbered Feb. 18, 1957.

'Washino-o'. Originally from Collingwood Ingram, Beneden, Kent, England, in 1930.

237359 to 237409. SACCHARUM (hybrids). Poaceae. Sugarcane.

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Feb. 18, 1957.

237359. 'Black Cane'.	237385. Co. 410.
237360. 'Hotte Kabbu'.	237386. Co. 432.
237361. 'Java Habbal'.	237387. Co. 658.
237362. 'Kajla'.	237388. Co. 678.
237363. 'Kaludai Boothan'.	237389. Co. 800.
237364. 'Keli'.	237390. Co. 845.
237365. 'Khajuria'.	237391. Co. 853.
237366. 'Lal Khadi'.	237392. Co. K. 30.
237367. 'Langi'.	237393. Co. S. 245.
237368. 'Local Pattapatti'.	237394. Co. S. 321.
237369. 'Local Red'.	237395. Co. S. 443.
237370. 'Namam'.	237396. Co. S. 510.
237371. 'Pattacherukku 86'.	237397. B.O. 10.
237372. 'Pattacherukku 209'.	237398. B.O. 11.
237373. 'Pattapatti'.	237399. SES 84A.
237374. 'Poovan'.	237400. SES 304.
237375. 'Poovan 155'.	237401. SES 315.
237376. 'Pyinmana Ribbon'.	237402. SES 316.
237377. 'Rasadali'.	237403. SES 317.
237378. 'Red Cane'.	237404. SES 320.
237379. 'Reha'.	237405. SES 327.
237380. 'Striped Bansa'.	237406. SES 521.
237381. 'Tali'.	237407. 'Ss Coimbatore'.
237382. 'Thick Red'.	237408. 'S.s. Gehrabon'.
237383. 'Waxy Red'.	237409. Co. 650.
237384. Co. 371.	

237410 to 237414.

From various sources as indicated. Seeds held at the Regional Plant Introduction Station, Experiment, Ga. Received Feb. 19, 1957.

237410. *SESAMUM ANGOLENSE* Welw. Pedaliaceae.

From the Pyrethrum Board, Nakuru, Kenya.

237411 to 237414. *SESAMUM INDICUM* L.

Sesame.

237411 to 237413. From the Tozi Research Farm, Wad Elnail, Blue Nile Province, Egypt.

237411. Cross No. 1.

237412. Cross No. 8.

237413. 'Early Resistant White'.

237414. From Kadoorie Agricultural School, Pulkarm, Jordan.

237415 to 237417.

From China. Seeds presented by the National Taiwan University, Taipeh, Taiwan. Received Feb. 19, 1957.

237415. *FICUS PUMILA* L. Moraceae.

Climbing fig.

237415 to 237417—Continued**237416.** *FICUS RETUSA* L.

Fig.

237417. *FICUS SEPTICA* Forst. f.

Fig.

237418. *NICOTIANA ACAULIS* Speg. Solanaceae.**Tobacco.**

From Argentina. Roots presented by the Agricultural Attache, American Embassy, Buenos Aires. Received Feb. 18, 1957.

Collected near Esquel, western Chubut. Plant common in sandy soil.

237419. *BAUHINIA RETICULATA* DC. Caesalpinaceae.

From Northern Rhodesia. Seeds held at the United States Plant Introduction Station, Coconut Grove, Fla. Numbered Feb. 20, 1957.

Obtained through E. A. Menninger, Stuart, Fla.

237420 to 237422. *JUGLANS REGIA* L. Juglandaceae.**Persian walnut.**

From France. Cuttings presented by G. L. Herman, Domaine de Castang, Bergerac (Dordogne). Received Feb. 20, 1957.

237420. 'Corne'.**237421.** 'Grandjean'.**237422.** 'Marbeau'.**237423.** *COFFEA ARABICA* L. Rubiaceae.**Arabian coffee.**

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Feb. 20, 1957.

'Progeny 502-50'.

237424. *RAUVOLFIA VOMITORIA* Afzel. Apocynaceae.**Devilpepper.**

From the Belgian Congo. Seeds presented by Dr. H. Hurlimann, Kisantu. Received Feb. 20, 1957.

237425 to 237430.

From Mexico. Seeds presented by the Agricultural Attache, American Embassy, Mexico City. Received Feb. 20, 1957.

Collected in Iguala, Guerrero.

237425. *GOSSYPIUM SOMALENSE* (Gurke) J. B. Hutch. Malvaceae. **Cotton.****237426 to 237428.** *GOSSYPIUM STURTII* F. Muell. **Cotton.****237426.** No. 31. Sept. and Dec., 1956.**237427.** No. 31. Jan., 1957.**237428.** No. 31B. Dec., 1956.**237429 and 237430.** *GOSSYPIUM TRIPHYLLUM* (Harv. & Sond.) Hochr. **Cotton.****237429.** No. 48. Sept., 1956.**237430.** No. 48. Jan., 1957.**237431.** *PYRUS COMMUNIS* L. Malaceae.**Common pear.**

From France. Seed presented by Vilmorin-Andrieux, Paris. Received Feb. 25, 1957.

237432 to 237506.

From Burma. Seeds collected by Capt. F. Kingdon-Ward, British Plant Explorer. Received Feb. 21, 1957.

237432. *ACER* sp. Aceraceae.

Elevation 7,000 to 8,000 feet.

237432 to 237506—Continued

237433. *ACONITUM* sp. Ranunculaceae.

Col. No. 22752. Elevation 9,500 feet. Flowers violet.

237434. *ACONITUM* sp.

Col. No. 22759. In forest; flowers blue-violet.

237435. *ALLIUM* sp. Liliaceae.

Col. No. 21977. Open slopes of pine woods. Elevation 7,000 to 9,000 feet. Flowers purplish; heads large.

237436. *ALLIUM* sp.

Col. No. 22754. On rocks in pine woods. Elevation 8,000 to 10,000 feet. Flower heads purplish.

237437. *ARISTOLOCHIA* sp. Aristolochiaceae.

Col. No. 21774. Elevation 4,500 feet. Flowers small.

237438. *ASTILBE* sp. Saxfragaceae.

Col. No. 22840. Forest; plant 6 feet high. Elevation 7,000 to 8,000 feet.

237439. *ASTRAGALUS* sp. Fabaceae.

Col. No. 21929. Alpine turf slopes. Elevation 9,500 feet.

237440. *BEGONIA* sp. Begoniaceae.

Col. No. 21894. On shady rocks in forest. Elevation 7,000 feet. Flowers pink; leaves variegated.

237441. *BEGONIA* sp.

Col. No. 22282. On cliffs. Elevation 7,000 to 8,000 feet.

237442. *BOENNINGHAUSENIA* sp. Rutaceae.

Col. No. 22661. In forest. Elevation 9,000 feet. Flowers white.

237443. *CHIRITA* sp. Gesneriaceae.

Col. No. 22660.

237444. *CINNAMOMUM* sp. Lauraceae.

Col. No. 21993. Elevation 6,000 feet. Tree small, evergreen; fruits red.

237445. *COLQUHOUNIA* sp. Menthaceae.

Col. No. 22370.

237446. *CORYDALIS* sp. Papaveraceae.

Col. No. 22798. Soil rocky; flowers dwarf, yellow. Elevation 10,000 feet.

237447. *COTONEASTER* sp. Malaceae.

Col. No. 21928. Elevation 10,000 feet. Undershrub; berries scarlet.

237448. *CRAWFURDIA* sp. Gentianaceae.

Col. No. 22753. Twiner in half shade; flowers gentian-blue. Elevation 9,000 feet.

237449. *DELPHINIUM* sp. Ranunculaceae.

Col. No. 22125. In meadow. Flowers in compact clusters; color deep blue.

237450. *DESMODIUM* sp. Fabaceae.

Col. No. 22545. Plant small; flowers variable pink to purple, some crimson.

237451. *EPILOBIUM* sp. Onagraceae.

Col. No. 21833. Small perennial with deep tap root; flowers rose-pink.

237452. *GENTIANA* sp. Gentianaceae.

Col. No. 21922. Soil stony and coarse; flowers large; color turquoise blue.

237432 to 237506—Continued

237453. GERANIUM sp. Geraniaceae.

Col. No. 22700. Meadow. Elevation 9,500 feet.

237454. GERANIUM sp.

Col. No. 22781. Elevation 8,000 feet.

237455. GERANIUM sp.

Col. No. 22796. Meadow. Elevation 9,000 to 10,000 feet.

237456. HELENIA sp. Gentianaceae.

Col. No. 22648. Flowers white and bluish-violet.

237457. HEDYCHUM sp. Zingiberaceae.

No. 1. Elevation 7,000 feet. Plant small; flowers copper-colored.

237458. HEDYCHUM SPICATUM Buch.-Ham.

No. 2. Meadow. Elevation 7,000 feet. Flowers white, fragrant.

237459. HYPERICUM PATULUM Thunb. Hypericaceae. **Japanese hypericum.**

Col. No. 22262. Elevation 10,000 feet. Flowers very large.

237460. HYPERICUM sp.

Col. No. 22780. Elevation 9,000 to 10,000 feet. Rocky soil; flowers large, bright yellow.

237461. IRIS sp. Iridaceae.

Col. No. 21926. Sunny turf slopes. Elevation 9,000 feet.

237462. IRIS ENSATA Thunb.

Russian iris.

Col. No. 22258. Alpine dwarf.

237463. IRIS sp.

Col. No. 22273. Pastures. Elevation 7,000 to 9,000 feet.

237464. LEPTOCODON GRACILIS Hook. f. & Thom. Campanulaceae.

Col. No. 22750. Twiner in forest; flowers in October, violet; unpleasant foliage odor.

237465. MAESA sp. Myrsinaceae.

Deciduous shrub; flowers small, in masses, August, cream-colored; berries red, turning black.

237466. MICHELIA sp. Magnoliaceae.

Col. No. 22853. Deciduous tree.

237467. MICHELIA sp.

Col. No. 22854. Elevation 7,000 feet.

237468. MYOSOTIS sp. Boraginaceae.

Col. No. 22761. Flowers white.

237469. NYSSA sp. Cornaceae.

Col. No. 22275. Small deciduous forest tree; fruits blue.

237470. OPHIOPOGON sp. Liliaceae.

Col. No. 22362. Margin of forest. Elevation 10,000 feet.

237471. OPHIOPOGON sp.

Plant epiphyte; flowers white; fruits red.

237472. PHILADELPHUS sp. Hydrangeaceae.

Col. No. 22544. Shrub, half climbing, in forest. Elevation 7,000 to 8,000 feet.

237432 to 237506—Continued

237473. *PHYLLANTHUS* sp. Euphorbiaceae.

Col. No. 22344. Elevation 3,000 to 4,000 feet. Shrub; berries snow-white.

237474. *PIPTANTHUS* sp. Fabaceae.

Col. No. 21934. Flowers large, yellow.

237475. *POLYGONUM PALEACEUM* Wall. Polygonaceae.

Knotweed.

Col. No. 22800. Meadows and pastures. Elevation 7,000 to 9,000 feet.

237476. *POLYGONUM* sp.

Col. No. 22786. Elevation 10,000 feet. Plant creeping; stems red; leaves shiny; flowers pink.

237477. *PORANA* sp. Convolvulaceae.

Elevation 5,000 feet. Plant climber or rambler; winter flowering; flowers white.

237478. *POTENTILLA* sp. Rosaceae.

Col. No. 21984. Elevation 10,000 feet. Turf slopes.

237479. *PRIMULA DENTICULATA* J. E. Smith Primulaceae.

Himalayan primrose.

Col. No. 21939. Open moist meadow slopes, Mount Victoria farm. Elevation 2,500 to 9,000 feet.

237480. *PRIMULA* sp.

Col. No. 21913. Rocks and banks rich woodland soil. Elevation 8,500 feet.

237481. *PRIMULA MOLLIS* Nutt.

Primrose.

Col. No. 21943. Deep shade, moist places. Elevation 9,000 to 10,000 feet.

237482. *PRUNUS CERASOIDES* D. Don Amygdalaceae.

Sikkim cherry.

Col. No. 22101. Small forest tree; blooms in winter while leafless.

237483. *PYRUS* sp. Malaceae.

Col. No. 21966. Evergreen tree. Elevation 9,000 to 10,000 feet.

237484. *RHODODENDRON ARBOREUM* J. E. Sm. Ericaceae.

Tree rhododendron.

Col. No. 21976. Mount Victoria farm. Elevation 10,000 feet. Tree stout; flowers blood red, no markings.

237485. *RHODODENDRON CUFFEANUM* Craib

Col. No. 21909. Elevation 7,500 feet. Epiphyte in evergreen forest.

237486. *RHODODENDRON* sp.

Col. No. 21921. Elevation 9,000 to 10,000 feet. Shrub or small tree; flowers yellow.

237487. *RHODODENDRON* sp.

Col. No. 22200. Elevation 7,000 feet. Shrub, large, long-lived; flowers flushed pink.

237488. *ROSA* sp. Rosaceae.

Col. No. 22128. Elevation 8,500 feet. Giant climber; flowers white.

237489. *ROSCOEIA* sp. Zingiberaceae.

Col. No. 22124. Elevation 9,500 feet. Turf slopes; flowers in June; color appears purple in full sun.

237432 to 237506—Continued

237490. *SARCOCOCCA SALIGNA* (D. Don) Muell.-Arg. Buxaceae.

Undershrub; flowers in October.

237491. *SAXIFRAGA* sp. Saxifragaceae.

Col. No. 22126-22755. Elevation 9,500 feet. Alpine plant on turf slopes and rock outcrops; flowers yellow.

237492. *SAXIFRAGA* sp.

Col. No. 22879. Elevation 7,500 feet. Plant in meadows, to 9 inches high; flowers yellow, unspotted.

237493. *SCHIMA* sp. Theaceae.

Col. No. 22219. Elevation 7,000 to 8,000 feet. Tree large, evergreen; flowers cream-colored.

237494. *SPIRAEA* sp. Rosaceae.

Col. No. 22386. Edge of forest. Elevation 9,000 feet. Shrub small; flowers white, flushed pink.

237495. *SWERTIA* sp. Gentianaceae.

Col. No. 22747. Pastures. Elevation 9,500 feet. Flowers large, purple.

237496. *SWERTIA* sp.

Meadow. Elevation 9,000 feet.

237497. *SYMPLOCOS* sp. Symplocaceae.

Col. No. 21920. Elevation 10,000 feet. Small tree of evergreen forest; flowers white, in summer.

237498. *SYMPLOCOS* sp.

Elevation 7,000 to 8,000 feet. Small forest tree; flowers white.

237499. *TAXUS* sp. Taxaceae.

Col. No. 21916. Elevation 7,000 to 9,000 feet. Forest tree; berries red in November.

237500. *THALICTRUM* sp. Ranunculaceae.

Col. No. 22748. Thickets in half shade. Elevation 9,000 feet. Plant tall; flowers mauve.

237501. *TORREYA* sp. Taxaceae.

Rare tree in evergreen forest; yellow appearance; leaves white beneath. Elevation 7,500 feet.

237502. *VIBURNUM* sp. Caprifoliaceae.

Col. No. 21944. Elevation 9,000 to 10,000 feet. Shrub large, evergreen; flowers white.

237503. *ZANTHOXYLUM* sp. Rutaceae.

Elevation 10,000 feet. Thorny, aromatic shrub; capsules red; fruits black, polished. Useful for hedges.

237504. (Undetermined.)

Col. No. 22481. Elevation 5,000 feet. Tree small; flowers yellow, fragrant.

237505. (Undetermined.)

Col. No. 22620. Elevation 7,000 feet. Rock plant; bracts large, scarlet; blooms in September.

237506. (Undetermined.)

Elevation 9,000 feet. Tree small; fruits purple or violet.

237507 to 237511. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From the United States. Material being held at the Regional Plant Introduction Station, Experiment, Georgia. Numbered Feb. 25, 1957.

Originally received in 1956 by Dr. Higgins from the Tainan Agricultural Improvement Station, Taiwan.

237507. 'Fan Di No. 7'.

237510. 'Java Pure Line No. 21'.

237508. 'Feng Lee Tai Kung Dou'.

237511. 'Basse 32-15'. (A selection from P.I. 196719.)

237509. 'Fing Lee You Dou'.

237512 and 237513. VITIS VINIFERA L. Vitaceae. European grape.

From Iran. Cuttings presented by the Agricultural Attache, American Embassy, Tehran. Received Feb. 25, 1957.

237512. Lot 1.

237513. Lot 2.

237514 and 237515.

From British Honduras. Plant material presented by the Belize Estates Produce Company, Ltd., Gallon Jug Village. Received Feb. 25, 1957.

237514. DIOSCOREA sp. Dioscoreaceae.

Sample No. 1. Root.

237515. DIOSCOREA sp.

Sample No. 2. Root and cuttings.

237516. FESTUCA ARUNDINACEA Schreb. Poaceae. Tall fescue.

From Tunisia. Seeds presented by the Medjerda Valley Commission, Tunis. Received Feb. 26, 1957.

237517 to 237521. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From Sweden. Seeds presented by Fran Allmanna Svenska Utsadesaktiebolaget, Svalof. Received Feb. 26, 1957.

237517. 'Hermes'.

237520. 'Silo'.

237518. 'Merkur'.

237521. 'Ultuna'.

237519. 'Offer'.

237522 to 237526.

From Puerto Rico. Seeds presented by the Coffee Substation, Castaner. Received Feb. 26, 1957.

237522 to 237525. COFFEA ARABICA L. Rubiaceae.

Arabian coffee.

237522. B.A. 10.

237524. 'Barbuk Sudan'.

237523. B.A. 16.

237525. 'Geisha'.

237526. COFFEA EUGENIODES S. Moore

Coffee.

237527 and 237528.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Feb. 26, 1957.

237527. SINARUNDINARIA MURIELAE (Gamble) Nakai

Poaceae. Bamboo.

237528. SINARUNDINARIA NITIDA (Mitt.) Nakai

Bamboo.

237529 to 237531. RUBUS (hybrids). Rosaceae. Raspberry.

From Scotland. Seeds presented by the Scottish Horticultural Research Institute, Dundee, Angus. Received Feb. 26, 1957.

237529. 'Baumforth's Seedling B'.

237529 to 237531—Continued

237530. 'Burnetholm Seedling'.

237531. 'Norfolk Giant'.

237532 to 237536.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Feb. 26, 1957.

237532. *RUBUS FLOSCULOSUS* Focke Rosaceae.237533. *RUBUS INNOMINATUS* var. *KUNTZEANUS* (Hemsl.) Bail.237534. *RUBUS COREANUS* Miquel

Korean raspberry.

237535. *RUBUS LASIOSTYLUS* Focke

Woolly raspberry.

237536. *RUBUS THIBETANUS* Franch.

237537. *SOLANUM HYPORHODIUM* A. Br. & Bouche Solanaceae.
Cocona.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agrícolas, Turrialba. Received Feb. 26, 1957.

237538 to 237552. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Feb. 26, 1957.

From the University of California, Davis.

237538. Cal. Ac. No. 55-19. Originally from Ankara Universitesi, Turkey.

237539. Cal. Ac. No. 55-20. Originally from Ankara Universitesi, Turkey.

237540 to 237549. Originally from Wad Medani, Sudan.

237540. Cal. Ac. No. 55-22. 'Deberia'. Irrigated.

237541. Cal. Ac. No. 55-23. 'Shambat'. Irrigated.

237542. Cal. Ac. No. 55-33. G.T. 11. (Derived from 'Gadarif', a local variety.)

237543. Cal. Ac. No. 55-34. P. 52.

237544. Cal. Ac. No. 55-38. G.T. 63.

237545. Cal. Ac. No. 55-39. G.T. 66.

237546. Cal. Ac. No. 55-41. G.T. 60.

237547. Cal. Ac. No. 55-43.

237548. Cal. Ac. No. 55-44.

237549. Cal. Ac. No. 55-45.

237550. Cal. Ac. No. 55-21. Originally from the Agricultural Experiment Station, Nve-Yaar, Israel.

237551 and 237552. Originally from Centre de Recherches Agronomiques, Rabat, French Morocco.

237551. Cal. Ac. No. 55-51.

237552. Cal. Ac. No. 55-52.

237553 to 237557.

From the Union of South Africa. Seeds presented by the Prinshof Experiment Station, Pretoria, Transvaal. Received Feb. 27, 1957.

237553. *BOTHRIPOCHLOA INTERMEDIA* (R. Br.) A. Camus Poaceae.

From Pretoria.

237554. *HYPARRHENIA HIRTA* (L.) Stapf Poaceae.

From Pretoria.

237553 to 237557—Continued237555. *SETARIA* sp. Poaceae.

From Koalbank.

237556. *SORGHUM ALMUM* Parodi Poaceae.

From Pretoria.

237557. *THEMEDA TRIANDRA* Forsk. Poaceae.

Rooi grass.

From Kimberley.

237558 to 237565.

From Italy. Seeds presented by the Stazione Agraria Sperimentale, Bari.
Received Feb. 27, 1957.

237558. *CICER ARIETINUM* L. Fabaceae.

Chickpea.

237559. *FESTUCA ARUNDINACEA* Schreb. Poaceae.

Tall fescue.

237560. *HEDYSARUM CORONARIUM* L. Fabaceae.

Sulla sweetvetch.

237561. *LATHYRUS* sp. Fabaceae.237562. *TRIFOLIUM MULTISTRIATUM* Koch Fabaceae.

Clover.

237563. *TRIFOLIUM SQUARROSUM* L.

Clover.

237564. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae.

Fenugreek.

237565. *VICIA SATIVA* L. Fabaceae.

Common vetch.

237566 and 237567.

From India. Seeds presented by the Coffee Research Station, Balehonnur,
Mysore. Received Feb. 27, 1957.

237566. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

B.A. 35.

237567. *COFFEA BENGALENSIS* Roxb.**237568 to 237582. *HORDEUM* sp. Poaceae.**

From Colombia. Seeds presented by the Ministerio de Agricultura, Oficina de
Investigaciones Especial, Bogota. Received Feb. 7, 1957.

237568. 'Swiss Spring' × Desconocida Coleccion 23-1.

237569. 'Swiss Spring' × Desconocida Coleccion 23-2.

237570. Fr. 1714 × 'Gold'.

237571. 'Funza' × P.I. 5649.

237572. 'Funza' × 'Jet'.

237573. 'Funza' × 'Kindred'.

237574. 'Hietpas 5' × FR. 1697.

237575. 'Research' × 'Kindred'.

237576. 1226 × (FR. 1391 × Hietpas 3)

237577. 'Jet' × 'Ogalitsu'.

237578. 'Ogalitsu' × PI. 3734-1.

237579. 'Ogalitsu' × PI. 3734-2.

237580. Desconocida Coleccion 2 Narino FR. 1391.

237581. Desconocida Coleccion 7 Narino × (1222 × ('Funza' × 'Kindred')-1.

237582. Desconocida Coleccion 7 Narino × (1222 × ('Funza' × 'Kindred')-2.

237583 to 237610.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Feb. 28, 1957.

Presented by Dr. Ledyard Stebbins, University of California, Davis. Locations given are original sources.

237583 to 237600. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

237583. Dcg 5425 (2n=28) Gravelly soil in ravine about 17 miles northwest of M'Sila, Algeria.

237584. Dcg 8581 Clay soil, St. Aime, Cheliff Valley, Algeria.

237585. Dcg 902 (2n=28) Near St. Vilarion castle, Cyprus.

237586. CPI 18772 (2n=28) Ras el Kakma, Egypt, via Australia.

237587. Dcg 566 (2n=28) Abali-Firusku crossroads near the Elburz Mountains, Iran.

237588. Dcg 567C (2n=28) Eight miles from Abali-Firusku crossroads, Elburz Mountains, Iran. Elevation 6,900 feet.

237589. Dcg 567D (2n=28) Eighteen miles from the Abali-Firusku crossroads, Elburz Mountains, Iran.

237590. Dcg 232 (2n=28) Dorot, Judean Plain, Israel.

237591. Dcg 231 (2n=28) Along limestone ledge, Madi Migran, Negev Desert, Israel.

237592. Dcg 310 (2n=28) On north-facing slope, Skour des Rehamnas, between Marrakech and Casablanca, Morocco.

237593. Dcg R504 (2n=28) Dry steppe, Guercif Experimental Plot, Morocco.

237594. Dcg 5457 (2n=28) Limestone ledge above city, Almeria, Spain.

237595. Dcg 514 (2n=28) Dry slope, Cordoba, Spain.

237596. Dcg P-508 (2n=28) Between Fraga and Cadosuos, Spain.

237597. Dcg 301 (2n=28) Limestone ledge, Alicante, Spain. Elevation 300 feet.

237598. Dcg P-506 (2n=28) Dry, rocky soil, Toledo, Spain.

237599. Dcg 349 (2n=28) Zagreb, Yugoslavia. Elevation 2,400 feet.

237600. Dcjd 401-b (2n=14) Dry limestone ledge, Judean Mountains, 7.5 miles west of Jerusalem, Israel. Elevation 2,600 feet.

237601. *DACTYLIS GLOMERATA* ssp. *JUNCINELLA* (Bory) Boiss.

Dcju P501 (2n=14) Sierra Nevada, Spain.

237602 and 237603. *DACTYLIS GLOMERATA* ssp. *LUSITANICA* Stebbins & Zohary

237602. Dcg 385-386 (2n=14) Near Sintra, Algueirao, Portugal.

237603. Dcl 602-3 × 243-5 (2n=14) Algueirao, Portugal.

237604. *DACTYLIS MARITIMA* Curtis

Dcgm 242 (2n=28) Near Sintra, Algueirao, Portugal.

237605 and 237606. *DACTYLIS GLOMERATA* ssp. *SANTAI* Stebbins & Zohary

237605. Dcs (2n=28) Mountain Tessala, near Sidi bel Abbes, Algeria.

237606. DcSa 5454 (2n=14) Talamaquit, Spanish Morocco.

237607. *DACTYLIS GLOMERATA* ssp. *SMITHII* (Link) Stebbins & Zohary

Desm P-515 (2n=14) Tenerife, Canary Islands.

237608. *DACTYLIS GLOMERATA* L.

Orchardgrass.

Dcho 306 (2n=14)

237583 to 237610—Continued

237609. *DACTYLIS GLOMERATA* ssp. *IBIZENSIS* (Gandog.) Stebbins & Zohary
Dci 5485 and 5485 (2n=14) Balearic Isl., Spain.

237610. *DACTYLIS GLOMERATA* ssp. *WORONOWII* (Ovcz.) Stebbins & Zohary
Dew 410 (2n=14) Tehran, Iran.

237611. *MALUS PLATYCARPA* Rehder Malaceae. **Apple.**

From Great Britain. Budwood presented by the Long Ashton Research Station,
Long Ashton, Bristol, England. Received Feb. 27, 1957.

237612 to 237618.

From South Africa. Seeds presented by the National Botanic Gardens,
Kirstenbosch, Newlands, Cape Province. Received Feb. 28, 1957.

237612. *ADHATODA DUVERNOIA* C. B. Clarke Acanthaceae.

237613. *CALPURNIA AUREA* (Lam.) Benth. Fabaceae.

237614. *PARANOMUS REFLEXA* (Phil. & Hutch.) Fourc. Proteaceae.

237615. *PITTOSPORUM VIRIDIFLORUM* Sims Pittosporaceae.

Cape pittosporum.

237616. *PSORALEA PINNATA* L. Fabaceae.

237617. *SCHREBERA SAUNDERSIAE* Harv. Oleaceae.

237618. *VIRGILIA OROBODES* (Berg.) Salter Fabaceae.

237619. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.

Chiloe strawberry.

From Chile. Seeds collected by John Bucher, Castro. Received Mar. 1, 1957.
From 5 miles east of Quellon, at Chiguao, Island of Chiloe.

237620. *PRUNUS* sp. Amygdalaceae.

From Germany. Trees presented by the Institut für Rebenzüchtung. Received
Mar. 1, 1957.

'Ackermann'.

237621 to 237626. *VITIS* (hybrids). Vitaceae.

Grape.

From France. Cuttings presented by the Ecole Nationale d'Agriculture de
Montpellier, Montpellier. Received Mar. 4, 1957.

237621. 'Aestivalis Yeager'.

237624. 'Berlandieri Mazade'.

237622. 'Aestivalis No. 22'.

237625. 'Berlandieri Resseguier'.

237623. 'Berlandieri d'Anjac'.

237626. 'Seibel 12393'.

237627 to 237632. *TRITICUM DURUM* Desf. Poaceae. **Durum wheat.**

From Cyprus. Seeds presented by the Agricultural Department, Nicosia.
Received Mar. 3, 1957.

237627. B.X.1.P.1.

237630. 'Psathas'.

237628. 'Hyperounda'.

237631. S1.

237629. 'Hyperounda Yiallouriko'.

237632. 'Tripolitico'.

237633. *FRAGARIA* sp. Rosaceae.

From China. Plants presented by the Joint Commission on Rural Reconstruc-
tion, Taipei, Taiwan. Received Mar. 4, 1957.

237634. *AMPELOCISSUS LATIFOLIA* Planch. Vitaceae.

From India. Seed presented by the Division of Botany, Indian Agricultural
Research Institute, New Delhi. Received Mar. 4, 1957.

Grown at Sabour.

237635. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.

From Bermuda. Tubers presented by the Department of Agriculture. Received Mar. 4, 1957.

237636 to 237641.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Mar. 4, 1957.

237636. AGROPYRON KOSANINII Nab. Poaceae. Wheatgrass.

Separated from seeds of *Bromus* sp. introduced from Turkey in 1952, a component of P.I. 204425.

237637. ALOPECURUS ARUNDINACEUS Poir. Poaceae. Foxtail.

Separated from seeds of *Phleum* sp. introduced from Afghanistan in 1954, a component of P.I. 221947.

237638. HEDYSARUM BOREALE Nutt. Fabaceae.

From a native stand near Fargo, N. Dakota. Presented by the Southwestern Seed Service, Waco, Texas.

237639. LATHYRUS CICERA L. Fabaceae. Flatpod peavine.

Originally from Syria. Presented by Iowa State College, Ames.

237640. LYCOPERSICON (hybrid). Solanaceae. Tomato.

(*L. esculentum* × *L. pimpinellifolium*.) From the University of California, Davis. (52267-1-La166)

237641. POA FLABELLATA (Lam.) Raspail Poaceae. Tussock grass.

Originally from the Falkland Islands; presented by the Postmaster, Menominee, Wis.

237642 and 237643.

From Israel. Seed presented by the Ministry of Agriculture, Haifa. Received Mar. 4, 1957.

237642. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.

'Klaby'.

237643. PYRUS SYRIACA Boiss. Malaceae. Pear.

Originally from Cyprus.

237644 to 237647.

From Costa Rica. Seeds collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 5, 1957.

237644. ANTHURIUM SCHERZERIANUM Schott Araceae.

Col. No. 3. Finca Las Concaras, Cartago. Feb. 24, 1957.

237645. CARICA PAPAYA L. Caricaceae. Papaya

Col. No. 1. Finca Milwaukee, La Junta, Siquirres. Feb. 22, 1957. Fruits large.

237646. MIMOSA INVISA Mart. Mimosaceae.

Col. No. 4. Turrialba. Feb. 25, 1957. Plant spineless.

237647. PHILODENDRON sp. Araceae.

Col. No. 2. Roadside near Finca Las Concavas, Cartago. Feb. 24, 1957. Fruits bright orange, fleshy. Ornamental foliage plant.

237648. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Australia. Seed presented by the University of Sydney, Sydney, New South Wales.

'Timvera'. ('Steinwedel' $\times$ *T. timopheevii*.)

237649 and 237650. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Italy. Seed presented by the Food and Agriculture Organization of the United Nations, Rome.

Origin Cyprus.

237649. 'Lawrence'.

237650. 'Psathas'.

237651 to 237661. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Kenya. Seeds presented by the Plant Breeding Station, Department of Agriculture, Njoro. Received Mar. 5, 1957.

237651. Q86-1871-117.A.

237652. Q87-1872-B256-G.

237653. Q88-1873-367.BR.1.D.4.F.

237654. Q89-1874-'Equator II'. (Stripe Rust Resistant.)

237655. Q90-1875-'Kenya Governor'.

237656. Q92-1876-58.F.

237657. Q92-1877-184.P.2.A.1.F.

237658. Q93-1878-'Rhodesian Sabanero'.

237659. Q94-1879-'Einkorn'.

237660. Q95-1880-'Reliance'.

237661. R64-'D.C.' $\times$ 'Ceres'. (Stripe Rust Resistant.)

237662 to 237664. VICIA FABA L. Fabaceae. Broadbean.

From Portugal. Seeds presented by Jose Matafome, Portuguese participant in the International Farm Youth Exchange, Lisbon. Received Apr. 9, 1954.

Numbered Mar. 5, 1957.

237662. 'Algarvia'. Seeds large; high-yielding type; probably good as an edible dried bean.

237663. 'Corruichela'. Seeds large; possibly suitable for coastal areas.

237664. 'Ratinha'. Seeds small; early-maturing type; pods soft-shelled.

237665 and 237666.

From Great Britain. Cuttings presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Mar. 6, 1957.

237665. SALIX AMYGDALINA var. CONCOLOR Wimm. & Grab. Salicaceae. **Willow.**

237666. SALIX BOCKII Seem.

237667 to 237669.

From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received Mar. 6, 1957.

237667. DOLICHOS BIFLORUS L. Fabaceae. **Twinflower dolichos.**
Sel. No. 55.

237668. PENNISETUM PEDICELLATUM Trin. Poaceae.
I.C. 4562.

237667 to 237669—Continued**237669.** *PHASEOLUS AUREUS* Roxb. Fabaceae.

Mung bean.

T. 1.

237670 and 237671.

From Fiji. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 7, 1957.

237670. *MISCANTHUS FLORIDULUS* (Labill.) Warb. Poaceae.

Silvergrass.

Col. No. 501. Hillside, Yako. Feb. 28, 1957.

237671. *IMPERATA EXALTATA* (Roxb.) Brogn. Poaceae.

Col. No. 502. Sigatoka River. Feb. 28, 1957.

237672 and 237673.

From the Netherlands. Seeds presented by the Agricultural University Arboretum, Wageningen. Received Mar. 7, 1957.

237672. *DATURA STRAMONIUM* L. Solanaceae.**237673.** *POA BULBOSA* L. Poaceae.

Bulbous bluegrass.

237674 to 237677.

From China. Plants presented by M. C. Kao, Hsinchu, Taiwan. Received Mar. 7, 1957.

237674. *ASARUM CAUDIGERUM* Hance Aristolochiaceae.**237675.** *ASARUM GRANDIFLORUM* var. *COLOCASII-FOLIUM* Hayata**237676.** *ASARUM LEPTOPHYLLUM* Hayata**237677.** *ASARUM MACRANTHUM* Hook. f.**237678 and 237679.**

From the Netherlands. Plants presented by the Old Farm Nurseries, Boskoop. Received Mar. 7, 1957.

237678. *FRAXINUS EXCELSIOR* L. Oleaceae.

European ash.

'Westhofs Glory'.

237679. *MAHONIA AQUIFOLIUM* (Pursh) Nutt. Berberidaceae. Oregongrape.

'Atropurpurea'.

237680 and 237681. *PRUNUS PERSICA* (L.) Batsch Amygdalaceae.

Peach.

From Italy. Scions presented by the Istituto di Coltivazioni Arboree, Florence. Received Mar. 7, 1957.

237680. 'Gialli di Firenze'. ('Free yellow' × 'Trionfo').**237681.** 'Precocissima Morettini'. ('Chilonx' × 'Mayflower 37-T').**237682 to 237684.** *SORGHUM VULGARE* Pers. Poaceae.

From Egypt. Seed presented by the Department of Agronomy, Corn Plant Breeding Section, Giza, Cairo. Received Mar. 7, 1957.

237682. 'Giza 54'. Yellow.**237683.** 'Local 114'. White.**237684.** 'Local 123'. Yellow.

237685 and 237686. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From the United States. Scions growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Mar. 6, 1957.

Material collected in the state of Washington.

237685. 'Winesap'. (Tetraploid.) From a sport.

237686. 'Winesap'. Wenatchee.

237687 and 237688. HORDEUM (hybrids). Poaceae.**Barley.**

From Germany. Seed presented by the Max-Planck Institute, Cologne. Received Mar. 7, 1957.

237687. 478/55 (44 013 ('Isaria' × H204) × 'Salzmunder') × 'Breustedts Schladener'.

237688. 584/55 (44 013 ('Isaria' × H204) × 'Peragis Mittelfruhe') × 'Salzmunder' × 'Peragis XII'.

237689. PHASEOLUS ANGULARIS (Willd.) W. F. Wight Fabaceae.**Adsuki bean.**

From the United States. Seeds presented by Thomas Motose, Fairport, New York. Received Mar. 7, 1957.

Originally from the Island of Hokkaido, Japan.

237690 and 237691.

From Vietnam. Rhizomes presented by the United States Operations Mission, Saigon. Received Mar. 8, 1957.

From the Botanic Garden, Saigon.

237690. AMOMUM HARMANDII Gagnep. Zingiberaceae.

Originally from Chou-Doc.

237691. AMOMUM OVOIDEUM Pierre

Originally from Plateau Boloven, Laos.

237692 to 237699.

From the Netherlands. Presented by the Agricultural University Arboretum, Wageningen. Received Mar. 8, 1957.

237692. FAGUS ORIENTALIS Lipsky Fagaceae

Beech.

(Scions.)

237693. PRUNUS MAHALEB L. Amygdalaceae.

Mahaleb cherry.

(Scions.)

237694. PRUNUS SERRULA Franch.

(Scions.)

237695 to 237697. SORBUS ARIA (L.) Crantz Malaceae.

White beam mountain-ash.

237695. (Cuttings.)

237696. 'Aurea'. (Scions.)

237697. 'Majestica'. (Scions.)

237698. PRUNUS BRIGANTINA Vill. Amygdalaceae.

Alpine plum.

(Seeds.)

237699. PRUNUS CANESCENS Boiss.

(Seeds.)

237700 to 237703. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From the United States. Scions presented by Haig Derman, Plant Industry Station, Beltsville, Maryland. Numbered Mar. 8, 1957.

Pure tetraploids.

237700. 'Delicious'. 4-4-4. Originally from Idaho.

237701. 'Kimball Giant McIntosh'. 4-4-4. Originally from Massachusetts.

237702. 'Ontario'. Origin unknown.

237703. 'Wrixparent'. 4-4-4.

237704 and 237705. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From Denmark. Seeds presented by L. Daehnfeldt. Odense. Received Mar. 8, 1957.

237704. 'Daeno III'. (Half late.)

237705. 'Hinderupgaard III'. (Early.)

237706 to 237710.

From Germany. Seeds presented by Dr. M. van Schmieder, Saatzuchtwirtschaft, Steinach uber Straubing. Received Mar. 8, 1957.

237706. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.

Tall oat grass.

237707. *FESTUCA ELATIOR* L. Poaceae.

Meadow fescue.

237708. *FESTUCA OVINA* L.

Sheep fescue.

237709. *POA PRATENSIS* L. Poaceae.

Kentucky bluegrass.

237710. *TRisetum FLAVESCENS* (L.) Beauv. Poaceae.

237711 to 237716.

From Denmark. Seed presented by the Danske Landboforeningers Erforsyning, Roskilde. Received Mar. 8, 1957.

237711 and 237712. *TRIFOLIUM HYBRIDUM* L. Fabaceae.

Alsike clover.

237711. 'Otofte II'.

237712. 'Otofte 4nII'.

237713 to 237716. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

237713. 'Hjelm'.

237715. 'Otofte III'.
(Early, resistant.)

237714. 'Otofte III'.

237716. 'Otofte III'.
(Semi-late.)

237717 to 237731.

From Germany. Seed presented by the Bayerische, Landessaatzuchtanstalt, Weinhenstephan b/Freising. Received Mar. 11, 1957.

237717. *AGROSTIS TENUIS* Sibth. Poaceae.

Colonial bentgrass.

'Odenwalder'.

237718. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

'Lishchower'.

237719 and 237720. *LUPINUS ALBUS* L. Fabaceae.

White lupine.

237719. 'Pflug-Mansa'.

237720. 'Portugal'.

236721. *LUPINUS ANGUSTIFOLIUS* L.

Blue lupine.

'Sengbusch'.

237717 to 237731—Continued

237722 and 237723. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urban Fabaceae. Alfalfa.

237722. 'Altfrankische' ('Wurzburg').

237723. 'Daehnfeldt Hauptsaaen'.

237724. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
'Weihestephaner'.

237725. *PHLEUM PRATENSE* L. Poaceae. Timothy.
'Weihestephaner'.

237726 to 237731. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

237726. 'Brauns'. **237729.** 'Odenwalder'.

237727. 'Kieler'. **237730.** 'Steinacher'.

237728. 'Lembke'. **237731.** 'Weibulls R 28'.

237732 to 237735. *TRIFOLIUM REPENS* L. Fabaceae. White clover.

From Germany. Seeds presented by the Bayerische, Landessaatzuchtanstalt Weihestephan b/Freising. Received Mar. 11, 1957.

237732. 'Gigant'. **237734.** 'Landsberger'.

237733. 'Kameke'. **237735.** 'Steinach'.

237736 to 237753. *SOLANUM TUBEROSUM* L. Solanaceae. Potato.

From Finland. Tubers presented by the Apuukka Agricultural Experiment Station, North of the Arctic Circle. Received Mar. 11, 1957.

237736. 'Barima'. **237745.** 'Jo 095'.

237737. 'Bea'. **237746.** 'Jo 0119'.

237738. 'Brands 48-1'. **237747.** 'Jo 265/53'.

237739. 'Dare'. **237748.** 'Jo 292/49'.

237740. 'Eersteling'. **237749.** 'Rade Eersteling'.

237741. 'Ella'. **237750.** 'Saskea'.

237742. 'Hettulan'. **237751.** 'Sientje'.

237743. 'Jo 039'. **237752.** 'Sirtema'.

237744. 'Jo 088'. **237753.** 'Ta 01783'.

237754 to 237790. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.

From the Netherlands. Scions presented by the Institute of Horticultural Plant Breeding, Division of Plant Introduction, Wageningen. Received Mar. 11, 1957.

237754. 'Abbesse de Mouland'. (Eisdense.)

237755. 'Beekse Late'.

237756. 'Bolium'.

237757. 'Bowyer Heart'.

237758. 'Bruine Bigarreau'.

237759. 'Corone A'.

237760. 'Early Rivers'. (T. Alfheim.)

237761. 'Empress Eugenie'.

237762. 'Florence'.

237763. 'Fruheste der Mark'.

237764. 'Gascogner 11-3'.

237754 to 237790—Continued

237765. 'Gloire de la Meuse'.
 237766. 'Grosse Royale Hative'.
 237767. 'Ham Green Black'.
 237768. 'Irosides'.
 237769. 'Kernielse'.
 237770. 'Kinderkers'.
 237771. 'Klerk'.
 237772. 'Koninskens'.
 237773. 'Korosel Weichsel'.
 237774. 'Lindeboomkers'.
 237775. 'Longley's Black Eagle'.
 237776. 'Luikenaar Vroege Witte'.
 237777. 'Lukker'.
 237778. 'Lulsley Early Black'='Corone C'.
 237779. 'Maiden's Blush'.
 237780. 'Meikers'.
 237781. 'Merton Premier'.
 237782. 'Old Black Heart A'.
 237783. 'Old Black Heart B'.
 237784. 'Poolse'.
 237785. 'Rode Blanche's'.
 237786. 'Vacke's Weichsel'.
 237787. 'Varikse Zwarte'.
 237788. 'Victoria Black A'.
 237789. 'Wilhelmina'.
 237790. 'Zuurtje'.

237791 to 237819.

From Spain. Plants growing at the National Observation Nursery, Soil Conservation Service, Beltsville, Md. Numbered Mar. 11, 1957.

Originally grown from seeds presented by the Botanic Gardens, Madrid, May, 1951. BN numbers refer to the Beltsville Nursery, Soil Conservation Service.

237791. *BRACHYPODIUM PINNATUM* (L.) Beauv. Poaceae. **Japanese falsebrome.**
 BN 7988.
 237792. *BRACHYPODIUM SYLVATICUM* (Huds.) Beauv. **Falsebrome.**
 BN 7987.
 237793. *BROMUS WILLDENOWII* Kunth Poaceae. **Rescuegrass.**
 BN 7995.
 237794. *BROMUS* sp.
 BN 7990.
 237795. *ERIANTHUS RAVENNAE* (L.) Beauv. Poaceae. **Ravenna grass.**
 BN 8009.

237791 to 237819—Continued

- 237796 to 237801.** *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
 237796. BN 8035. 237799. BN 8050.
 237797. BN 8041. 237800. BN 8059.
 237798. BN 8049. 237801. BN 8060.
- 237802.** *FESTUCA* sp.
 BN 8030.
- 237803.** *FESTUCA* sp.
 BN 8037.
- 237804 to 237806.** *HORDEUM BULBOSUM* L. Poaceae. Bulbous barley.
 237804. BN 8012.
 237805. BN 8014.
 237806. BN 8015.
- 237807 to 237811.** *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
 237807. BN 7979. 237810. BN 8054.
 237808. BN 7982. 237811. BN 8055.
 237809. BN 8026.
- 237812.** *STIPA FORMICARUM* Del. Poaceae. Needlegrass.
- 237813 to 237818.** *STIPA NEESIANA* Trin. & Rupr. Needlegrass.
 237813. BN 7964. 237816. BN 7975.
 237814. BN 7971. 237817. BN 7976.
 237815. BN 7974. 237818. BN 7977.
- 237819.** *STIPA PAPPOSA* Nees Needlegrass.
 BN 7973.
- 237820.** *COFFEA CANEPHORA* Pierre ex Froeh. Rubiaceae. Robusta coffee.
- From the Philippines. Seed presented by the Director of Plant Industry,
 Manila. Received Mar. 11, 1957.
 Grown in Calinan, Davao City, Mindanao.
- 237821 to 237824.**
- From Mexico. Plant material presented by Jorge Valencia, Jalapa, Veracruz.
 Received Mar. 11, 1957.
- 237821.** (Undetermined.)
 (Plants.)
- 237822.** (Undetermined.)
 (Tubers.)
- 237823.** (Undetermined.)
 (Tubers.)
- 237824.** *PRUNUS PERSICA* (L.) Batsch Amygdalaceae. Peach.
 (Seeds.)
- 237825 and 237826.** *GOSSYPIUM* (hybrids). Malvaceae. Cotton.
- From Yugoslavia. Seeds presented by the Institut za Pamuk, Strumica.
 Received Mar. 12, 1957.
- 237825.** Am. 7 (Uzorak beg vreditosti).
237826. No. 182. (Uzorak beg vreditosti).

237827 to 237833.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 12, 1957. Collected Mar. 6 and 7, 1957.

237827. *ABIES NEBRODENSIS* (Lojac.) Mattei Pinaceae.

Col. No. 3584. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Probably hardy on Pacific Coast.

237828. *GINKGO BILOBA* L. Ginkgoaceae. **Maidenhair-tree.**

Col. No. 3578. 'Pendula'. Jardin Kahn, Pont de St. Cloud, Bois de Baulogne, Paris. Plant grafted on ordinary form, approximately 50 years old.

237829. *HOLBOELLIA CORIACEA* Diels Lardizabalaceae.

Col. No. 3581. Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Evergreen climber, hardy; probably good for rooting on beach.

237830. *PTEROCELTIS TATARINOWII* Maxim. Ulmaceae.

Col. No. 3586. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Tree to 25 feet high; hardy.

237831. *RHAMNUS ALATERNUS* L. Rhamnaceae. **Buckthorn.**

Col. No. 3582. Pepinieres de Grand Trianon, Versailles. Plant dense, evergreen, to 6 feet high; probably suitable for hedges.

237832. *ROBINIA* × *HOLDTH* Beissn. Fabaceae. **Locust.**

Col. No. 3580. Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise.

237833. *SARCOCOCCA HOOKERINA* var. *DIGYNA* Franch. Buxaceae.

Col. No. 3583. Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Evergreen shrub to 4 feet high; spreads by underground runners.

237834. *PIPER METHYSTICUM* Forst. Piperaceae. **Kava pepper.**

From Indonesia. Cuttings presented by the Institute for Agricultural Research, Bogor. Received Mar. 14, 1957.

237835 to 237916.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 13, 1957. Collected in Nov. and Dec., 1956 unless otherwise indicated.

237835. *ACER RUFINERVE* Sieb. & Zucc. Aceraceae. **Maple.**

Col. No. 687. Along mountain stream above Kurio, Yakushima. Tree handsome, to 30 feet; bark striped green; petioles red; leaves 3 to 5 lobed; fall color yellow.

237836. *ADINA PILULIFERA* (Lam.) Franch. Rubiaceae.

Col. No. 685. Mountain forest above Kurio, Yakushima. Elevation 1,200 feet. Wild evergreen tree to 25 feet high; leaves ovate, entire; fruits a ball-like capsule on long stalks.

237837. *ALPINIA INTERMEDIA* Gagnep. Zingiberaceae.

Col. No. 596. Along sea road near Miyanoura, Yakushima. Plant herbaceous; leaves broad lanceolate; fruits large, red, in spines.

237838. *ALPINIA INTERMEDIA* Gagnep.

Col. No. 739. Along sandy knolls, Nishi-no-omote, Tanegashima. Plant large, herbaceous; flowers white; fruit a capsule, many seeded.

237839. *PEUCEDANUM JAPONICUM* Thunb. Apiaceae.

Col. No. 715. Along seacoast between Ambo and Miyanoura, Yakushima. Plant herbaceous; flowers white, in umbels; stalks 12 inches long.

237835 to 237916—Continued

237840. *ARDISIA CRENATA* Sims. Myrsinaceae.

Col. No. 674. Below Kosuge-dani, Yakushima. Elevation 1,800 feet. Evergreen shrub to 2 feet high; leaves ovate, crenate; fruit red in large clusters.

237841. *ARDISIA CRISPA* DC.

Coral ardisia.

Col. No. 652. Along mountain path, Kosuge-dani, Yakushima. Evergreen shrub; leaves narrow-lanceolate, crenate; fruits red, in panicles on long stalks.

237842. *ARDISIA JAPONICA* (Thunb.) Blume

Col. No. 788. Along roadside near Tachikawa, Tokyo-to. Plant ground-covering type, to 6 inches high; fruit red, large, solitary.

237843. *ARDISIA* sp. Myrsinaceae.

Col. No. 622. Along Miyanoura River, Manno National Forest, Yakushima. Evergreen tree to 20 feet high; leaves alternate, ovate; fruit reddish-black, in clusters.

237844. *ARDISIA* sp.

Col. No. 623. Along Miyanoura River, Manno National Forest, Yakushima. Evergreen tree to 15 feet high; leaves elliptic, dark green above, pale beneath; fruit round, reddish, in clusters.

237845. *ARDISIA* sp.

Col. No. 694. Along seacoast, Onoaida, Yakushima. Small, evergreen tree; leaves pale green clusters at tips of branches, elliptic; fruit red.

237846. *ARISAEMA SERRATUM* var. *ATROPURPUREUM* Engl. Araceae.

Col. No. 666. Along Mountain path above Kosugi-dani, Yakushima. Elevation 3,600 feet. Plant wild.

237847. *ARISAEMA* sp.

Col. No. 670. Along mountain path above Kosugi-dani, Yakushima. Elevation 3,000 feet. Plant wild.

237848. *ARISAEMA* sp.

Col. No. 763. Along roadside near Anno, Tanegashima. Plant to four feet high; two leaves divided into seven parts; seeds red.

237849. *ARISAEMA SERRATUM* f. *THUNBERGII* Makino

Col. No. 772. Hirakiki Mountains, Satsuma Prefecture. Elevation 1,200 feet. Plant typical.

237850. *BREDIA HIRSUTA* Blume Melastomataceae.

Col. No. 676. Below Kosugi-dani, in moist rocky shaded places. Subshrub; stems succulent; flowers in terminal clusters, purple.

237851. *BUDDLEIA CURVIFLORA* Hook. & Arn. Loganiaceae.

Col. No. 708. Sea coast road between Kurio and Ambo, Yakushima. Shrub to eight feet high; leaves broad lanceolate; flowers in long pointed panicles, purple.

237852. *CALLICARPA JAPONICA* var. *LUXURIANS* Rehder Verbenaceae.

Japanese beautyberry.

Col. No. 621. Logging road in Manno National Forest, Miyanoura, Yakushima. Shrub to 15 feet high; leaves large, ovate, narrowly pointed; fruit bright-purple, in dense clusters.

237853. *CALLICARPA TOSAENSIS* Makino

Beautyberry.

Col. No. 601. Sea coast road between Miyanoura and Issu, Yakushima. Deciduous shrub to 10 feet high; leaves ovate, lanceolate; fruit in dense panicles.

237854. *CAMELLIA SASANQUA* Thunb. Theaceae.

Sasanqua camellia.

Col. No. 791. Upper reaches of Miyanoura River, Manno National Forest, Yakushima. High elevation; species typical.

237835 to 237916—Continued**237855. CAMELLIA JAPONICA var. MACROCARPA Masamune**

Col. No. 660. Above Kosugi-dani, Yakushima. Elevation 4,200 feet. Plant characterized by large, shiny, black fruit, and narrow elliptic leaves.

237856. CANAVALIA OBTUSIFOLIA (Lam.) DC. Fabaceae.

Col. No. 693. Seaside plant, Onoaida, Yakushima. Leaves trifoliate, leaflets ovate; flowers yellow, in short raceme; seeds large.

237857. CINNAMOMUM BREVIFOLIUM Miquel Lauraceae.

Col. No. 713. Along seacoast between Ambo and Miyanoura, Yakushima. Evergreen shrub; foliage dense, leaves ovate, small; fruit black.

237858. CINNAMOMUM DAPHNOIDES Sieb. & Zucc.

Col. No. 740. In arid conditions, Nichi-no-omote, Tanegashima. Tree small, shrubby; leaves ovate, tomentose beneath; fruit black.

237859. CINNAMOMUM PEDUNCULATUM (Thunb.) Presl

Col. No. 605. Isso River, Yakushima. Evergreen tree; stems yellow-green; leaves ovate; fruit on long stalks, black.

237860. CRAWFURDIA TRINERVIS (Blume) Hassk. Gentianaceae.

Col. No. 564. Along Kinomoto-Oase road, Kii, Wakayama Prefecture. Scandant herb; flowers pale purple, tubular; fruit reddish-purple.

237861. DAMNACANTHUS INDICUS Gaertn. f. Rubiaceae.

Col. No. 789. Upper Miyanoura River, Manno National Forest, Yakushima. Small evergreen shrub; leaves opposite, entire, stipules as spines; fruit red.

237862. DAPHNE sp. Thymelaeaceae.

Col. No. 675. Below Kosugi-dani, Yakushima. Evergreen tree to 15 feet high; leaves entire, except a few tip serrations; fruit blue.

237863. DAPHNIPHYLLUM MACROPODUM Miquel Euphorbiaceae.

Col. No. 604. Above Isso River, Yakushima. Tall evergreen tree; leaf stalks characterized by red coloring; fruit black.

237864. DENDROPANAX TRIFIDUS (Thunb.) Makino ex Hara Araliaceae.

Col. No. 733. Tachimoto National Forest, Tanegashima. Shapely small tree; leaves entire or 3 to 5 lobed; fruit purple-black.

237865. DESMODIUM sp. Fabaceae.

Col. No. 620. Along Miyanoura-Issu sea road. Small leguminous shrub; leaves trifoliate; pods narrow, sectioned between seeds.

237866. DESMODIUM sp.

Col. No. 646. Along Miyanoura River, Manno National Forest, Yakushima. Woody shrub to 3 feet high; leaves trifoliate; pods lomentum.

237867. ELAEAGNUS UMBELLATA Thunb. Elaeagnaceae.

Col. No. 588. Roadside between Isso and Miyanoura, Yakushima. Semi-evergreen small tree or shrub; leaves silvery beneath; fruit round, color pale red with minute scaly hairs; edible.

237868. ELAEOCARPUS JAPONICUS Sieb. & Zucc. Elaeocarpaceae.

Col. No. 603. Along Isso River, Yakushima. Evergreen tree; bark gray; leaves in terminal clusters, whorled, ovate with serrate margin; fruit in raceme, bright blue.

237869. EUGENIA sp. Myrtaceae.

Col. No. 600. Streamside near Tomaiki, Yakushima. Evergreen shrub to 10 feet high; bark light brown; leaves opposite, entire; fruit black.

237870. EUGENIA sp.

Col. No. 671. Below Kosugi-dani, Yakushima. Elevation 3,300 feet. Evergreen shrub; leaves opposite, entire; fruit terminal, black.

237835 to 237916—Continued

237871. *EURYA JAPONICA* Thunb. Theaceae.

Col. No. 650. Mountains above Kosugi-dani, Yakushima. Evergreen shrub; leaves alternate, crenate; fruit black, axillary, on short stalks.

237872. *GORDONIA ANOMALA* Spreng. Theacea.

Col. No. 790. Botanic Garden, Kagoshima University, Kagoshima Prefecture. Tree to 18 feet high, probably evergreen; flowers large, white, fragrant.

237873. *HELICIA COCHINCHINENSIS* Lour. Proteaceae.

Col. No. 741. Roadside near Nakata, Tanegashima. Small evergreen tree; leaves alternate, ovate, crenate, dark green. Cultivated; suited to dry conditions.

237874. *IDESIA POLYCARPA* Max. Flacourtiaceae.

Col. No. 746. Roadside near Furuta National Forest, Tanegashima. Deciduous tree to 25 feet high; fruit red, in large pendant clusters.

237875. *ILEX HANCEANA* Maxim. Aquifoliaceae. **Holly.**

Col. No. 752. Roadside, Furuta National Forest, Tanegashima. Evergreen tree to 25 feet high; leaves broad-ovate, entire; fruit red, perhaps smallest of all species noted.

237876. *ILEX INTEGRATA* Thunb. **Holly.**

Col. No. 608. Along Isso River, Isso, Yakushima. Evergreen tree to 30 feet high; fruit large, red, ovoid.

237877. *ILEX LIUKIUENSIS* Loes. **Holly.**

Col. No. 587. Banks of Isso River, Isso, Yakushima. Handsome evergreen tree to 20 feet; leaves dark green, glossy, slightly undulate; fruit red, in dense clusters, small.

237878. *ILEX CRENATA* var. *MUTCHAGARA* (Makino) Ohwi **Holly.**

Col. No. 659. Above Kosugi-dani, near Hana-no-ego, Yakushima. Elevation 4,500 feet. Evergreen tree to 15 feet high; leaves crenate; fruit black, 2 to 3 in a cluster.

237879. *ILEX ROTUNDA* Thunb. **Holly.**

Col. No. 681. Along coastal road between Ambo and Manyu, Yakushima. Evergreen tree to 30 feet high; leaves large, broad, ovate, entire; fruit red, size varies.

237880. *ILEX LIUKIUENSIS* Loes. **Holly.**

Col. No. 607. Along Isso River, Yakushima. Evergreen tree to 20 feet high; leaves dark, shiny green, ovate; fruit red, in 2 to 5 fruited clusters, small.

237881. *ILICIIUM RELIGIOSUM* Sieb. & Zucc. Magnoliaceae.

Col. No. 663. Above Kosugi-dani, Yakushim. Elevation 3,600 feet. Evergreen tree to 20 feet high; leaves clustered, ovate, lanceolate, entire; fruit a flattish capsule in 8 sections.

237882. *JUNIPERUS CONFERTA* Parl. Pinaceae. **Shore juniper.**

Col. No. 738. Sand dunes near Nishi-no-omote, Tanegashima. Plant prostrate; main stems lying flat, secondary branches ascending; berries large, purple; rooting in sand.

237883. *KADSURA JAPONICA* (L.) Juss. Magnoliaceae. **Scarlet kadsura.**

Col. No. 593. Along Nagata River, Yakushima. Evergreen vinelike shrub; leaves oval, shiny; flowers yellowish-white; berries scarlet.

237884. *LAGERSTROEMIA FAURIEI* Koehne Lythraceae.

Col. No. 686. Mountain forest above Kurio Yakushima. Elevation 1,200 feet. Handsome tree to 20 feet high; bark red-brown, flaked green; fruit a capsule, 10 to 20 seeds.

237835 to 237916—Continued

237885. *LECANORCHIS JAPONICA* Blume Orchidaceae.

Col. No. 615. Moist shady banks, Isso River, Yakushima. Terrestrial orchid; stems leafless; seed pods about 2 inches long.

237886. *LITHOCARPUS EDULIS* (Makino) Rehder Fagaceae.

Col. No. 729. Tachimoto National Forest, Tanegashima. Evergreen oak with large oblong edible acorns.

237887. *LONICERA AFFINIS* Hook. & Arn. Caprifoliaceae. **Honeysuckle.**

Col. No. 700. Roadside between Kurio and Onoaida, Yakushima. Vine; leaves ovate; fruit on long stalk, large, several in cluster, black.

237888. *MITCHELLA UNDULATA* Sieb. & Zucc. Rubiaceae.

Col. No. 653. Moist woods above Kosugi-dani, Yakushima. Elevation 3,600 feet. Plant prostrate, evergreen; leaves ovate; fruit small, red.

237889. *MORINDA UMBELLATA* L. Rubiaceae.

Col. No. 594. Roadside between Miyanoura and Isso, Yakushima. Scandant evergreen; leaves broad; fruit orange.

237890. *PSYCHOTRIA SERPENS* L. Rubiaceae.

Col. No. 589. Rocky stream bed, Isso River, Yakushima. Evergreen vine; leaves opposite, narrow ovate; fruit white.

237891. *PSYCHOTRIA* sp. Rubiaceae.

Col. No. 624. Along Miyanoura River, Manno National Forest, Yakushima. Small evergreen shrub; leaves leathery, oblong; fruit in a corymb, red.

237892. *PSYCHOTRIA* sp.

Col. No. 705. Seaside plant, along rocky ravines, Onoaida, Yakushima. Evergreen tree; leaves clustered or whorled, dark green, ovate-lanceolate; fruit red.

237893. *QUERCUS GILVA* Blume Fagaceae.

Oak.

Col. No. 742. Along forest road, Furuta National Forest, Tanegashima. Evergreen tree to 40 feet high; leaves ovate, brittle, serrate.

237894. *QUERCUS GLAUCA* Thunb.

Blue Japanese oak.

Col. No. 749. Along forest stream, Furuta National Forest, Tanegashima. Evergreen tree; leaves ovate, rounded at base, teeth at apex.

237895. *QUERCUS WRIGHTII* Nakai

Oak.

Col. No. 698. Along seacoast road, Onoaida, Yakushima. Shrubby evergreen tree; leaves tomentose beneath.

237896. *QUERCUS* sp.

Col. No. 730. Along stream bed, Tachimoto National Forest, Tanegashima. Evergreen tree probably to 60 feet high; acorns ovate, large.

237897. *RAPHIOLEPIS* sp. Malaceae.

Col. No. 726. Along stream bed, Koseda, Yakushima. Evergreen tree to 20 feet high; leaves whorled, shiny, finely crenate; fruit blackish.

237898. *RAPHIOLEPIS UMBELLATA* (Thunb.) Makino Malaceae.

Col. No. 734. In Tachimoto National Forest, Tanegashima. Tall evergreen tree; fruit black, large.

237899. *RHAMNUS* sp. Rhamnaceae.

Col. No. 657. Above Kosugi-dani, Yakushima. Elevation 3,500 feet. Deciduous tree to 30 feet high; leaves ovate-lanceolate; fruit round, black, on short stalks.

237835 to 237916—Continued

237900 and 237901. *SARCANDRA GLABRA* (Thunb.) Nakai. Chloranthaceae.

237900. Col. No. 595. Along seacoast road, semi-shade, moist rock, Miyanoura, Yakushima. Evergreen subshrub; leaves ovate, coarsely toothed; fruit in terminal clusters, orange to yellow.

237901. Col. No. 766. Onigasawa National Forest, Tanegashima. Plant abundant; fruit dark red.

237902. *SKIMMIA JAPONICA* Thunb. Rutaceae.

Japanese skimmia.

Col. No. 673. Along logging road below Kosugi-dani, Yakushima. Evergreen shrub; stems greenish; leaves clustered; fruit in terminal cluster, red.

237903. *SMILAX CHINA* L. Smilacaceae.

Greenbrier.

Col. No. 597. Along sea road to Tomaiko, Miyanoura, Yakushima. Plant large, vigorous; thorns few; fruit large, showy, in hanging clusters, bright red.

237904. *SOLANUM* sp. Solanaceae.

Col. No. 599. Along stream bed near Tomaiko, Miyanoura, Yakushima. Herbaceous perennial; leaves broad, ovate; fruit round, bright red; prominent calyx.

237905. *SORBUS COMMIXTA* Hedlund. Malaceae.

Korean mountain-ash.

Col. No. 655. At Hana-no-ego, Yakushima. Elevation 3,500 feet. Deciduous tree to 20 feet high; fruit in large clusters, red.

237906. *SORBUS* sp.

Col. No. 680. Above Kosugi-dani, Yakushima. Elevation 4,500 feet. Deciduous tree to 20 feet high; fruit red, stalked.

237907. *STACHYURUS LANCIFOLIUS* Koidz. Stachyuraceae.

Col. No. 619. Along Isso River, Yakushima. Deciduous tree; flowers yellow, before leaves, in short raceme, small.

237908. *TROCHODENDRON ARALIOIDES* Sieb. & Zucc. Trochodendraceae.

Col. No. 664. Above Kosugi-dani, Yakushima. Elevation 4,350 feet. Evergreen tree to 60 feet; leaves ovate to obovate, clustered at tips of branchlets; fruit a capsule.

237909. *TURPINIA TERNATA* Nakai Staphyleaceae.

Col. No. 695. Along seacoast, Onoaida, Yakushima. Evergreen shrub; leaves ovate, veins conspicuously depressed; fruit red, in terminal clusters.

237910. *VACCINIUM BRACTEATUM* Thunb. Vacciniaceae. **Oriental blueberry.**

Col. No. 586. Along rocky river bed, Isso River, Yakushima. Shrub to 15 feet high; leaves alternate, narrowly ovate; fruit racemose, black.

237911. *VACCINIUM* sp.

Col. No. 707. Along coastal road between Kurio and Onoaida, Yakushima. Evergreen shrub to 15 feet high; leaves ovate, shiny green; fruit reddish.

237912. *VILLEBRUNEA PEDUNCULATA* Shirai Urticaceae.

Col. No. 699. Along stream between Kurio and Onoaida, Yakushima. Evergreen tree to 20 feet high; leaves ovate, thin; flowers borne along stem on previous year's wood, greenish; typical.

237913. *WIKSTROEMIA* sp. Thymelaeaceae.

Col. No. 662. Above Kosugi-dani, Yakushima. Elevation 3,300 feet. Evergreen tree to 30 feet high; leaves ovate, crenulate, shiny green; fruit black, small, elongate.

237914. (Undetermined.)

Col. No. 647. Along Miyanoura River, Manno National Forest, Yakushima. Evergreen tree to 18 feet high; leaves elliptic, serrate; fruit black, in short clusters.

237835 to 237916—Continued**237915.** (Undetermined.)

Col. No. 722. Rocky stream bank along Isso River, Yakushima. Evergreen tree to 25 feet high; leaves alternate, obovate, crenate; fruit greenish-blue.

237916. *CLEYERA JAPONICA* Thunb. Theaceae.

Col. No. 735. In Tachimoto National Forest, Tanegashima. Evergreen shrub; fruit black.

237917. *LACTUCA BOURGAEI* (Boiss.) Irish & Taylor Cichoriaceae.**Lettuce.**

From the Netherlands. Seeds presented by the Botanic Garden, Leiden. Received Mar. 12, 1957.

237918 to 237922.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 12, 1957.

237918. *ACER CAESIUM* Wall. Aceraceae.**Maple.**

Col. No. 2588. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Mar. 7, 1957. Native of Himalaya.

237919. *AESCULUS HIPPOCASTANUM* L. Aesculaceae.**Common horsechestnut.**

Col. No. 3589. 'Laciniata'. Pepinieres de Grand Trianon. Mar. 7, 1957. Tree typical.

237920. *CASTANEA SATIVA* Mill. Fagaceae.**European chestnut.**

Col. No. 3579. 'Heterophylla'. Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Tree to 30 feet high; cutleaf variation.

237921. $\times$ *PYRACOMELES VILMORINII* Rehder Malaceae.Col. No. 3585. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson, Seine-et-Oise. Mar. 7, 1957. (A bigeneric hybrid, *Pyracantha* $\times$ *Osteomeles*.) Bush to three feet high.**237922.** *TILIA MIQUELIANA* Maxim. Tiliaceae.**Linden.**

Col. No. 2587. Arboretum Vilmorin-Andrieux, Verrieres-le-Buisson. Seine-et-Oise. Mar. 7, 1957.

237923. *ENSETE EDULE* (Gmel.) Horan. Musaceae.

From France. Plant collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 14, 1957.

Col. No. 3590. 'Maurellii'. Grand Trianon a Chateau Neuf, Versailles. Ornamental type; leaves dark red.

237924 and 237925. *TRIFOLIUM FRAGIFERUM* L. Fabaceae.**Strawberry clover.**

From Australia. Seeds presented by the Pasture Specialist, Millicent, South Australia. Received Mar. 14, 1957.

237924. 'O'Connors'.**237925.** 'Palestine'.**237926.** *TRIFOLIUM REPENS* L. Fabaceae.**White clover.**

From Australia. Seed presented by the Commonwealth Scientific and Industrial Organization, Canberra. Received Mar. 13, 1957.

'Australian Irrigation'.

237927. SECALE CEREALE L. Poaceae. Rye.

From Brazil. Seed presented by Harold Goransson, Carazinko, Rio Grande do Sul. Received Mar. 13, 1957.

Common type.

237928 to 237970.

From Central America. Plant material collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 18, 1957.

Collected in Guatemala unless otherwise noted, Feb. 25 to Mar. 9, 1957.

237928. DIOSCOREA sp. Dioscoreaceae.

Col. No. 6. Finca Monte Bella de Santo Cristobal Alvarado, across valley from Santiagito Volcano. Leaves large, shiny; tubers large; skin gray; flesh white.

237929. DIOSCOREA sp.

Col. No. 7. Along road to Mazatenango from Bolivia. Vines large, thick, vigorous; tubers long, slender, perpendicular.

237930 to 237937. DIOSCOREA FLORIBUNDA Mart. & Gal. Yam.

Collected in southwest Guatemala.

237930. Col. No. 9. Single plant; flesh yellow.

237931. Col. No. 10. Single plant; tubers small, flesh yellow.

237932. Col. No. 11. Tubers large; flesh yellow.

237933. Col. No. 12. Single plant; tubers small; flesh yellow.

237934. Col. No. 13. Tubers small; flesh yellow.

237935. Col. No. 14. Tubers medium to large; flesh yellow.

237936. Col. No. 15. Tubers small; flesh yellow.

237937. Col. No. 16. Single plant; flesh white.

237938. DIOSCOREA CONVULVULACEA Cham. & Schlecht. Yam.

Col. No. 17.

237939. DIOSCOREA sp.

Col. No. 23.

237940. PHILODENDRON sp. Araceae.

Col. No. 24. Near ocean, below La Hulera. Excellent ornamental. (Cuttings.)

237941. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae. Yam.

Col. No. 25 & 26. Finca Panama, near Patalul. Tubers large; flesh yellow.

237942. DIOSCOREA sp.

Col. No. 28. Tubers large; flesh yellow.

237943. PHILODENDRON sp. Araceae.

Col. No. 29. Near Finca Monte Bello, above San Sebastian. (Cuttings.)

237944. BEGONIA sp. Begoniaceae.

Col. No. 30. Near Finca Monte Bello. Deep shade; leaves pale green.

237945. (Undetermined.)

Col. No. 32. Near Finca Monte Bello, north of San Sebastian. Epiphyte; leaves broad.

237946. DIOSCOREA sp. Dioscoreaceae.

Col. No. 33. Finca Monte Bello, north of San Sebastian. (Tuber.)

237928 to 237970—Continued

237947 to 237952. *DIOSCOREA FLORIBUNDA* Mart. & Gal.

237947. Col. No. 35. Pullin's Finca Rio Seco. Tubers; flesh yellow.

237948. Col. No. 36. Pullin's Finca Rio Seco, sandy soil near coast below Democracia. Tubers.

237949. Col. No. 37. Pullin's Finca Rio Seco. Tubers; flesh yellow.

237950. Col. No. 38. Pullin's Finca Rio Seco. Tubers; flesh yellow.

237951. Col. No. 39. Cooperacion Agricola Industrial Guatemalteca. Tubers medium to small.

237952. Col. No. 40. Pullin's Finca Rio Seco.

237953. *ARISTOLOCHIA GRANDIFLORA* Sw. Aristolochiaceae.

Col. No. 46. 'Flor de Pato'. Finca La Hulera, Cuyotenango.

237954. *DESMODIUM GYROIDES* DC. Fabaceae. **Beggarweed.**

Col. No. 44. Finca La Hulera, Turrialba, Costa Rica. Originally from Ceylon, 1952. (Seeds.)

237955. *DESMODIUM OVALIFOLIUM* Guill. & Perr. **Beggarweed.**

Col. No. 43. Finca La Hulera, Turrialba, Costa Rica. (Seeds.)

237956. *DIOSCOREA CONVULVULACEA* Cham. & Schl. Dioscoreaceae. **Yam.**

Col. No. 8. Road to Mazatenango below La Hulera. Seeds from ripe and dried fruit; root shallow, roundish.

237957. *DIOSCOREA ESCULENTA* (Lour.) Burkill. **Lesser yam.**

Col. No. 21. Road to Mazatenango, southwest Guatemala. (Seeds.)

237958. *DIOSCOREA FLORIBUNDA* Mart. & Gal. **Yam.**

Col. No. 27. Area beyond Rio Seco.

237959. *DIOSCOREA* sp.

Col. No. 6. Finca Monte Bella de Santo Cristobal, Alvarado, across valley from Santiagito Volcano. (Seeds.)

237960. *DIOSCOREA* sp.

Col. No. 17. Road to Mazatenango, southwest Guatemala. Plant much branched; roots shallow; tubers small; flesh white, brittle. (Seeds.)

237961. *DIOSCOREA* sp.

Col. No. 18. Road to Mazatenango. (Seeds.)

237962. *DIOSCOREA* sp.

Col. No. 19. Road to Mazatenango. (Seeds.)

237963. *DIOSCOREA* sp.

Col. No. 20. Road to Mazatenango. (Seeds.)

237964. *DIOSCOREA* sp.

Col. No. 22. Road to Mazatenango. (Seeds.)

237965. *DIOSCOREA* sp.

Col. No. 23. Road from Retalhuleu to Champerico, Guatemala. (Seed.)

237966. *ERYTHRINA* sp. Fabaceae.

Col. No. 34. Near Finca Monte Bello, north of San Sebastian, Suchitepequez. Elevation 4,500 feet. (Seed.)

237967. *EUPHORBIA PULCHERRIMA* Willd. Euphorbiaceae. **Poinsettia.**

Col. No. 5. Finca La Daminica, Turrialba, Costa Rica. (Seeds.)

237928 to 237970—Continued**237968.** *HELICONIA* sp. Musaceae.

Col. No. 47. Near ocean below Finca La Hulera, Cuyotenango. (Seeds.)

237969. *MUCUNA* sp. Fabaceae.

Col. No. 42. Finca La Hulera, Cuyotenango. (Seeds.)

237970. *SESBANIA* sp. Fabaceae.

Col. No. 45. Bridge across Moca River, Pan American Highway, Guatemala.

237971. *DIOSCOREA* sp. Dioscoreaceae.

From the United States. Seeds collected by E. P. Imle, agricultural explorer, Plant Introduction Station, Crops Research Division, Beltsville, Md. Received Apr. 17, 1957.

Plant wild; collected near Paint Branch, Beltsville, Apr. 7, 1957.

237972. *PRUNUS SERRULATA* Lindl. Amygdalaceae.**Oriental flowering cherry.**

From the United States. Plant growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Mar. 21, 1957.

'Kwanzan'. B-44452. A virus-free strain.

237973. *SOLANUM TUBEROSUM* L. Solanaceae.**Potato.**

From Japan. Tubers presented by the Hokkaido Agricultural Experiment Station, Kotoni, Sapporo. Received Mar. 15, 1957.

'Ekishirazu'. Highly resistant to late blight.

237974 to 237979. *DACTYLIS GLOMERATA* L. Poaceae.**Orchardgrass.**

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received Mar. 15, 1957.

237974. FAO-3771.**237977.** FAO-3778.**237985.** FAO-3774.**237978.** FAO-3779.**237976.** FAO-3775.**237979.** FAO-3781.**237980 to 237984.**

From Costa Rica. Collected by Bernice Schubert and E. P. Imle, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 18, 1957.

237980. *DIOSCOREA* sp. Dioscoreaceae.

Col. No. 1392. La Suiza (Finca Adams). Feb. 25, 1957. Vines around coffee tree; tubers elongate, quadrate.

237981. *DIOSCOREA* sp.

Col. No. 1393. La Suiza (Finca Adams). Feb. 25, 1957. Vine with capsules of previous season. (Tubers.)

237982. *DIOSCOREA CONVULVULACEA* subsp. *ESURIENTUM* (Cham. & Schlecht.) Uline ex Knuth

Col. No. 1394. La Suiza (Finca Adams). Feb. 25, 1957. Vine; stems purplish, thick; tuber close to surface.

237983. *BEGONIA LINDLEYANA* Walp. Begoniaceae.

Col. No. 1398. Outside of Cartago. Feb. 24, 1957. Herb; flowers pink. (Seeds.)

237984. *DIOSCOREA* sp. Dioscoreaceae.

Col. No. 1393. La Suiza. Feb. 25, 1957. (Seeds.)

237985. MOMORDICA CHARANTIA L. Cucurbitaceae. Balsam-pear.

From Korea. Seeds presented by the Agricultural Technics Division of the Korean Horticultural Federation, Seoul. Received Mar. 19, 1957.

237986 and 237987.

From Sierra Leone. Seeds presented by the West African Rice Research Station, Rokupr. Received Mar. 19, 1957.

237986. ORYZA BRACHYANTHA A. Chev. & Roehr. Poaceae.

Rice.

237987. ORYZA STAFFII Roschev.

Rice.

237988. HORDEUM sp. Poaceae.

From Great Britain. Seeds presented by the Welsh Plant Breeding Station, Aberystwyth, Wales. Received Mar. 19, 1957.

'Spratt Archer'.

237989. CAPSICUM FRUTESCENS L. Solanaceae.

Redpepper.

From Mozambique. Seed presented by Morris Mandelowitz, New York. Received Mar. 19, 1957.

'Piri Piri'.

237990. PHYLLOSTACHYS MAKINOI Hayata Poaceae.

Bamboo.

From China. Plants presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received Apr. 16, 1957.

Plant runner to 50 feet high; resembles *P. bambusoides*; may be a source for paper pulp.

237991 to 238007.

From Guatemala. Collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received Mar. 18, 1957. Collected Mar. 13-14, 1957.

237991. EPIDENDRUM sp. Orchidaceae.

Col. No. 54. Patulul. Epiphyte. (Bulbs.)

237992 to 237999. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.

Yam.

(Tubers.)

237992. Col. No. 48. Patulul.

237993. Col. No. 49. Patulul.

237994. Col. No. 52. Finca Panamo, near Patulul.

237995. Col. No. 53. Near Patulul.

237996 to 237999. Collected below Mazatenango.

237996. Col. No. 56.

237998. Col. No. 58A.

237997. Col. No. 57A.

237999. Col. N9. 59A.

238000. EPIDENDRUM ATROPURPUREUM Willd. Orchidaceae.

Col. No. 51. Patulul. Flowers pink-lipped. (Plant.)

238001 to 238005. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.

Yam.

(Seeds.)

238001. Col. No. 48. Patulul.

238004. Col. No. 55. Finca Panama.

238002. Col. No. 49. Patulul.

238005. Col. No. 60A. Below Mazatenango.

238003. Col. No. 53. Patulul.

237991 to 238007—Continued

238006. *EPIDENDRUM ATROPURPUREUM* Willd. Orchidaceae.

Col. No. 51. Patulul. Flowers pink-lipped. (Seeds.)

238007. *SPADNUS* sp. Sapindaceae.

Col. No. 50. Patulul. Tree, medium-size.

238008 to 238045.

From Europe. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 18, 1957.

Unless otherwise noted, material was received as scions and was collected at the Arboretum des Barres, Nogent-sur-Vernisson, Loiret, France. Mar. 10 and 11, 1957.

238008. *ABIES NUMIDICA* De Lannoy ex Carr. Pinaceae. **Algerian fir.**

Col. No. 3606. 'Pendula'.

238009. *ABIES PINSAPO* Boiss. **Spanish fir.**

Col. No. 3603. 'Pyramidata'. Tree pyramidal in shape; branches dense, not spreading, upright.

238010. *ABIES RECURVATA* Masters **Fir.**

Col. No. 3591. Soil thin, acid, sandy.

238011. *ALNUS ORIENTALIS* Dene. Betulaceae. **Alder.**

Col. No. 3598. Tree to 50 feet high.

238012. *BETULA MEDWEDIEWII* Regel Betulaceae. **Birch.**

Col. No. 3595. Tree to 20 feet high, spreading.

238013. *BUXUS SEMPERVIRENS* L. Buxaceae. **Common box.**

Col. No. 3623. 'Argenteo-variegata'. Raymond Chenault Nursery, Clos Fleuri, Orleans, Loiret. Shrub to 12 feet high; leaves green, margins white.

238014. *CARPINUS FARGESIANA* Winkler Betulaceae. **Hornbeam.**

Col. No. 3607. Tree small.

238015. *CEDRUS DEODARA* (Lam.) Loud. Pinaceae. **Deodar cedar.**

Col. No. 3596. 'Pendula Nana'. Shrub nearly prostrate; useful for rock gardens.

238016. *CERCIS SILIQUASTRUM* L. Caesalpiniaceae. **Judas-tree.**

Col. No. 3616. 'Album'. Raymond Chenault Nursery, Orleans, Loiret. Tree to 25 feet high; color white.

238017. *CRATAEGUS OXYACANTHA* L. Malaceae. **English hawthorn.**

Col. No. 3624. 'Horizontalus'. Raymond Chenault Nursery, Orleans, Loiret. Tree small; branches horizontally spreading; flowers white.

238018. *CRYPTOMERIA JAPONICA* (L.f.) D. Don Pinaceae.

Col. No. 3617. 'Vilmoriniana'. Raymond Chenault Nursery, Orleans, Loiret.

238019. *FAGUS SYLVATICA* L. Fagaceae. **European beech.**

Col. No. 3605. Tree with tortuous, pendulous branches.

238020. *GLEDITSIA TRIACANTHOS* L. Caesalpiniaceae. **Common honeylocust.**

Col. No. 3608. 'Elegantissima'. Small shrub of dense habit; leaves variegated.

238021. *HEPATICA TRILOBA* Chaix Ranunculaceae.

Col. No. 3639. Rocky grassy hillside near San Sebastian, Spain. Soil acid, sandy, well drained. Flowers white.

238008 to 238045—Continued

- 238022.** *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**
Col. No. 3612. 'Leptacantha'. Pistillate tree.
- 238023.** *LIQUIDAMBAR ORIENTALIS* Mill. Hamamelidaceae. **Sweetgum.**
Col. No. 3611. Tree small.
- 238024.** *LITHOSPERMUM DIFFUSUM* Lag. Boraginaceae.
Col. No. 3637. Rocky hillside above sea, Pesajes de San Juan, Province Guipuzcoa, Spain. Plant prostrate; flowers intense blue; ornamental. Excellent rock garden plant.
- 238025.** *MAGNOLIA DAWSONIANA* Rehd. & Wils. Magnoliaceae.
Col. No. 2593. Small, multi-branched tree; flowers pink. Probably hardy on U.S. Pacific Coast.
- 238026 and 238027.** *MAGNOLIA SARGENTIANA* Rehd. & Wils.
238026. Col. No. 3592. 'Robusta'. Tree to 20 feet high. (Cuttings.)
238027. Col. No. 3602. (Scions.)
- 238028.** *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**
Col. No. 2601. 'Elisa Ratkee'. Tree small; branches pendulous.
- 238029.** *NARCISSUS BULBOCIDUM* var. *CITRINUS* Baker Amaryllidaceae.
Col. No. 3640. Beyond Pesajies de San Juan, Spain. Bulbous perennial; flowers chartreuse, abundant.
- 238030.** *OSMANTHUS* × *FORTUNEI* Carr. Oleaceae.
Col. No. 3619. Raymond Chenault Nursery, Orleans, Loiret. Evergreen shrub.
- 238031.** *PICEA LIKIANGENSIS* (Franch.) E. Pritz. Pinaceae. **Spruce.**
Col. No. 3609. Small tree.
- 238032.** *PINUS SYLVESTRIS* L. Pinaceae. **Scotch pine.**
Col. No. 3613. 'Variegata'.
- 238033.** *PLATYCARYA STROBILACEA* Sieb. & Zucc. Juglandaceae.
Col. No. 3599. Small tree; seed pods conelike.
- 238034.** *POPULUS TREMULA* L. Salicaceae. **European aspen.**
Col. No. 3610. 'Pendula'. Tree with pendulous branches.
- 238035.** *PRUNUS CERASIFERA* Ehrh. Amygdalaceae. **Myrobalan plum.**
Col. No. 3594. Small tree; flowers white.
- 238036.** *PRUNUS MUME* Sieb. & Zucc. **Japanese apricot.**
Col. No. 3622. 'Alphandii'. Small deciduous tree; flowers double, pink. Garden origin.
- 238037.** *PRUNUS SUBHIRTELLA* Miq. **Higan cherry.**
Col. No. 3600. 'Pendula'. Tree small, pendulous; flowers deep pink, single.
- 238038.** *TRIBES SANGUINEUM* Pursh Grossulariaceae. **Winter currant.**
Col. No. 3620. 'Albidum'. Raymond Chenault Nursery, Orleans, Loiret. Shrub; flowers white, tinged pink.
- 238039.** *SCILLA VERNA* Huds. Liliaceae. **Squill.**
Col. No. 3638. Sandy, moist soil along main road between Irun and San Sebastian, Spain. Perennial; flowers azure blue.
- 238040.** *SYCOPSIS SINENSIS* Oliver Hamamelidaceae.
Col. No. 3604. Small, spreading, evergreen shrub; flowers yellowish, stamens green; apetalous.

238008 to 238045—Continued

238041. TAMARIX PENTANDRA Pall. Tamaricaceae. **Tamarix.**

Col. No. 3627. Raymond Chenault Nursery, Orleans, Loiret. Flowers early, pink.

238042. TILIA TOMENTOSA Moench. Tiliaceae. **Silver linden.**

Col. No. 3597. 'Pendula'. Deciduous tree, ends of branches pendulous.

238043. TILIA sp.

Col. No. 3626. Raymond Chenault Nursery, Orleans, Loiret. Tree deciduous, to 30 feet high; leaves and flowers large. Seed originally from China.

238044. VIBURNUM AWABUKII K. Koch Caprifoliaceae.

Col. No. 3614. Raymond Chenault Nursery, Orleans, Loiret. Evergreen shrub. Native to Japan.

238045. PLATYCARYA STROBILACEA Sieb. & Zucc. Juglandaceae.

Col. No. 3599.

238046 to 238063.

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered Mar. 19, 1957.

Presented by the University of California, Davis, Calif.

Localities given are the sources.

238046 to 238053. CAPSICUM CHINENSE Jacq. Solanaceae.

238046. No. 1266. Department of Agriculture, British Guiana.

238047. No. 1269. Department of Agriculture, British Guiana.

238048. No. 1491. Gentry Division, Consolidated Foods Corporation, Peru.

238049. No. 1493. Gentry Division, Consolidated Foods Corporation, Peru.

238050. No. 1541. Cochabamba, Bolivia.

238051. No. 1627. Peru.

238052. No. 1631. Peru.

238053. No. 1774. Agricultural Experiment Station, Rio Piedras, Puerto Rico.

238054 to 238057. CAPSICUM FRUTESCENS L. **Redpepper.**

238054. No. 1568. Costa Rica.

238055. No. 1585. Nicaragua.

238056. No. 1614. Costa Rica.

238057. No. 1635. Guatemala.

238058. CAPSICUM CHINENSE Jacq.

No. 1643. Guatemala.

238059 and 238060. CAPSICUM FRUTESCENS L. **Redpepper.**

238059. No. 1651. Guatemala.

238060. No. 1738. Agricultural Experiment Station, Suriname, Dutch Guiana.

238061. CAPSICUM MICROCARPUM Cav.

No. 1553. Cochabamba, Bolivia.

238062 and 238063. CAPSICUM PENDULUM Willd.

238062. Experiment Station, Pelotas, Rio Grande do Sul, Brazil.

238063. Indiana University, Bloomington, Indiana. Originally from Peru.

238064 to 238073. DIANTHUS (hybrids). Silenaceae.

From Great Britain. Cuttings purchased from the Allwood Brothers, Ltd., Haywards Heath, Sussex, England. Received Mar. 19, 1957.

238064. 'Allwoods's Market Evening'.

238065. 'Allwoods's Market Morning'.

238066. 'Bonnie Charlie'.

238067. 'Doris Allwood'.

238068. 'Happy Arthur'.

238069. 'Monty's Pak Rose'.

238070. 'Pelargonium'.

238071. 'Queen Mother'.

238072. 'Royal Crimson'.

238073. 'Royal Harlequin'.

238074 to 238080.

From Sweden. Scions presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received Mar. 19, 1957.

238074 and 238075. *MALUS SYLVESTRIS* Mil. Malaceae. Common apple.

238074. 'Mio'.

238075. 'Snovit'.

238076 to 238078. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.

238076. 'Allman Svart Bigarra'.

238077. Pr. 20621 2n-32.

238078. 2n-32.

238079. *PRUNUS* sp.

'Malarplommon'.

238080. *PRUNUS* sp.

'Tunaplommon'

238081 to 238086. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Belgium. Tubers presented by the Station de Recherches de l'Etat, Libramont. Received Mar. 20, 1957.

238081. 'Apta'.

238084. 'Fortuna'.

238082. 'Augusta'.

238085. 'Pimpernel'.

238083. 'Forelle'.

238086. 'Zeeburget'.

238087 to 238099.

From Morocco. Presented by the Institut Scientifique Cherifien, Rabat. Received Mar. 20, 1957.

238087 to 238090. Bulbs.

238087. *NARCISSUS BULBOCODIUM* L. Amaryllidaceae. Petticoat daffodil. 'Zaianicus'.

238088. *NARCISSUS ELEGANS* var. *OXYPETALUS* (Boiss.) Maire

238089. *NARCISSUS SEROTINUS* L.

238090. *NARCISSUS TAZETTA* ssp. *PAPYRACEUS* (Ker) Baker

238091 to 238099. Seeds.

238091. *CALENDULA ALGERIENSIS* Boiss. & Reut. Asteraceae.

238092. *CALENDULA SUFFRUTICOSA* var. *BALANSAE* (Boiss. & Reut.) Maire.

238087 to 238099—Continued**238091 to 238099—Continued**

238093. *CYTISUS ALBIDUS* DC. Fabaceae. **Broom.**
 238094. *CYTISUS ARBOREUS* ssp. *BAETICUS* (Webb) Maire **Broom.**
 238095. *CYTISUS ARBOREUS* (Desf.) DC. **Broom.**
 238096. *CYTISUS LINIFOLIUS* var. *ANGUSTIFOLIUS* (Webb & Berth.) Brig. **Broom.**
 238097. *CYTISUS MONSPESSULANUS* var. *UMBELLULATUS* (Webb) Brig. **Broom.**
 238098. *HYPERICUM PERFORATUM* L. Hypericaceae.
Common St-Johns-wort.
 238099. *NARCISSUS TAZETTA* ssp. *PAPYRACEUS* (Ker) Baker Amaryllidaceae.

238100 to 238107.

From Great Britain. Trees purchased from Hillier & Sons, Winchester. Received Mar. 20, 1957.

238100. *ACER CAUDATUM* var. *UKURUNDUENSE* (Trautv. & Meyer) Rehd. **Maple.**
 Aceraceae.
 238101. *ACER NEGUNDO* L. **Boxelder.**
 'Auratum'.
 238102. *ACER PALMATUM* Thunb. **Japanese maple.**
 'Flavescens'.
 238103. *ACER RUFINERVE* Sieb. & Zucc. **Maple.**
 'Albo-limbatum'.
 238104. *CYTISUS* × *DALLIMOREI* Rolfe Fabaceae. **Broom.**
 238105. *CYTISUS NIGRICANS* L. **Spike broom.**
 238106. *FRAXINUS PAXIANA* Lingelsh. Oleaceae. **Pax ash.**
 238107. *SALIX RETICULATA* L. Salicaceae. **Willow.**

238108 and 238109. GLYCINE TOMENTOSA Benth. Fabaceae.

From the Ryukyu Islands. Seeds presented by the United States Civil Administration of the Ryukyu Islands. Received Mar. 20, 1957.

238108. Ie Island. (Black.)
 238109. Miyako Island. (White.)

238110. VIGNA VEXILLATA (L.) A. Rich. Fabaceae. Cowpea.

From the Belgian Congo. Seed presented by the Division of Botany, Institut National pour l'Etude Agronomique du Congo Belge, Yangambi. Received Mar. 20, 1957.

Collected from the Nioku region.

238111. GOSSYPIMUM (hybrid). Malvaceae. Cotton.

From Peru. Seeds presented by F. C. Hoffmann, Lima. Received Mar. 30, 1957.

'Tanguis'.

238112. INDIGOFERA ENDECAPHYLLA Jacq. Fabaceae. Creeping Indigo.

From Costa Rica. Seeds presented by the Instituto Inter-Americano de Ciencias Agricolas, Turrialba. Received Mar. 21, 1957.

238113 and 238114. ORYZA SATIVA L. Poaceae. Rice.

From Japan. Seeds presented by the National Institute of Agricultural Science, Hiratsuka. Received Mar. 21, 1957.

238113. T1-41. (Tetraploid.)

238114. T1-47. (Tetraploid.)

238115 and 238116.

From Denmark. Seed presented by the Botanic Garden, Copenhagen. Received Mar. 21, 1957.

238115. DATURA STRAMONIUM L. Solanaceae.

238116. IPOMOEA TRILOBA L. Convolvulaceae. **Morning-glory.**

238117 to 238119. ORYZA SATIVA L. Poaceae. Rice.

From Australia. Seed presented by the Department of Agriculture, New South Wales. Received Mar. 21, 1957.

238117. 'Caloro'. (Late.)

238119. 'Colusa 180'.

238118. 'Caloro- No. 2.'

238120. FRAGARIA CHILOENSIS (L.) Duchesne Rosaceae. Chilo Strawberry.

From Chile. Plants presented by the Ministry of Agriculture, Santiago. Received Mar. 21, 1957.

238121 to 238139. ALBIZZIA LEBBECK (L.) Benth. Mimosaceae.

From French West Africa. Seeds presented by the Director Generale des Services Economiques, Bombey, Senegal. Received Mar. 22, 1957.

238121. No. 1.

238131. No. 11.

238122. No. 2.

238132. No. 12.

238123. No. 3.

238133. No. 13.

238124. No. 4.

238134. No. 14.

238125. No. 5.

238135. No. 15.

238126. No. 6.

238136. No. 16.

238127. No. 7.

238137. No. 17.

238128. No. 8.

238138. No. 18.

238129. No. 9.

238139. No. 19.

238130. No. 10.

238140 to 238159.

From Turkey. Seeds presented by the International Cooperation Administration, Ankara. Received Mar. 22, 1957.

238140. ASTRAGALUS sp. Fabaceae.

Igdir State Seed Increase Farm, Hatay.

238141. ASTRAGALUS sp.

Erzurum.

238142. CORONILLA VARIA L. Fabaceae.

Crownvetch.

Erzurum.

238143. DORYCNium sp. Fabaceae.

West of Erzurum.

238144. MEDICAGO ORBICULARIS (L.) All. Fabaceae.

Buttonclover.

West of Eskischir.

238140 to 238159—Continued

- 238145 to 238153.** *MEDICAGO SATIVA* L. Alfalfa.
- 238145.** No. 1. North of Tunceli.
- 238146.** No. 2. Sivas.
- 238147.** No. 3. North of Tunceli.
- 238148 to 238152.** Horticultural Station, Sivas.
- 238148.** No. 4. **238151.** No. 7.
- 238149.** No. 5. **238152.** No. 8.
- 238150.** No. 6.
- 238153.** No. 9. West of Erzurum.
- 238154.** *TRIFOLIUM AMBIGUUM* Bieb. Fabaceae. Kura clover.
Erzurum.
- 238155.** *TRIFOLIUM FRAGIFERUM* L. Strawberry clover.
Sultansuyu Hara, near Malatya.
- 238156.** *TRIFOLIUM MENEGHINIANUM* Clem. Clover.
Gelemen Experiment Station, Samsun.
- 238157.** *TRIFOLIUM PRATENSE* L. Red clover.
East of Ardahan.
- 238158.** *TRIFOLIUM CAMPESTRE* Schreb. Clover.
Sultansuyu Hara, Malatya.
- 238159.** *TRIFOLIUM ALEXANDRINUM* L. Berseem clover.
Sultansuyu Hara, Malatya.
- 238160.** *GOSSYPIUM RAIMONDII* Ulbrich Malvaceae. Cotton.
From Peru. Seeds presented by the Agricultural Attache, American Embassy,
Lima. Received Mar. 25, 1957.
- 238161 to 238174.**
- From Great Britain. Plants purchased from Hillier & Sons, Winchester, Eng-
land. Received Mar. 25, 1957.
- 238161.** *ACER LOBELII* Ten. Aceraceae. Maple.
- 238162.** *ACER WILSONII* Rehder Maple.
- 238163 and 238164.** *AESCULUS CHINENSIS* Bunge Aesculaceae. Buckeye.
- 238163.** No. 1.
- 238164.** No. 2.
- 238165.** *CYTISUS BEANII* Nichols. Fabaceae. Broom.
- 238166.** *FRAXINUS EXCELSIOR* L. Oleaceae. European ash.
'Aurea'.
- 238167 and 238168.** *LABURNUM ANAGYROIDES* Medic. Fabaceae. Goldenchain.
- 238167.** 'Quercifolium'.
- 238168.** 'Serotinum'.
- 238169.** *MALUS TRILOBATA* (Labill.) Schneid. Malaceae. Apple.
- 238170.** *POPULUS* × *CANADENSIS* Moench. Salicaceae. Poplar.
'Aurea'.

238161 to 238174—Continued**238171 and 238172.** *POPULUS TREMULA* L.**European aspen.**

238171. Typical form.

238172. 'Pendula'.

238173. *SALIX LANATA* L. Salicaceae.**Willow.****238174.** *ULMUS* × *HOLLANDICA* Mill. Ulmaceae.**Dutch elm.**

'Serpentina'.

238175 to 238193. *ORYZA SATIVA* L. Poaceae.**Rice.**

From India. Seeds presented by the Chinsura Rice Research Station, Chinsura, West Bengal. Received Mar. 25, 1957.

238175 to 238183. Aman (winter paddy).

238175. 'Bhasamanik'.

238180. 'Nagra'.

238176. 'Dudshar'.

238181. 'Nehali'.

238177. 'Jhingasail'.

238182. 'Rupsail'.

238178. 'Kaima 222'.

238183. 'Sitasail'.

238179. 'Latisail'.

238184 and 238185. Aus (autumn paddy).

238184. 'Charnock'.

238185. 'Dhariai'.

238186 and 238187. Coarse paddy varieties.

238186. 'Kumragour'.

238187. 'Tilakkachari'.

238188 to 238193. Fine paddy.

238188. 'Badshahbhog'.

238191. 'Golapsaru'.

238189. 'Baktulshi'.

238192. 'Kaminisaru'.

238190. 'Chamarmumi'.

238193. 'Randhuni Pagal'.

238194. *RICINUS COMMUNIS* L. Euphorbiaceae.**Castorbean.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Mar. 27, 1957.

I.C.A. 38.

238195. *ULMUS WALLICHIANA* Planch. Ulmaceae.**Elm.**

From the Netherlands. Scions presented by H. M. Heybrock, Wageningen. Numbered Mar. 29, 1957.

238196 and 238197. *LINUM USITATISSIMUM* L. Linaceae.**Common flax.**

From Korea. Seeds presented by the Central Agricultural Experiment Station, Suwon. Received Mar. 29, 1957.

238196. 'Peynau'.

238197. 'Wiera'.

238198 to 238200. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 1, 1957.

238198. No. 583.

238199. No. 584.

238200. No. 585.

238201. PINUS NIGRA Arnold Pinaceae. Austrian pine.

From Great Britain. Scions presented by George Jackman & Son, Woking, Surrey, England. Received Mar. 25, 1957.

'Pygmaea'.

238202 to 238208.

From Colombia. Tubers presented by the Rockefeller Foundation, Kara, Bogota. Received Mar. 25, 1957.

238202 and 238203. SOLANUM TUBEROSUM Juz. & Buk. Solanaceae.

238202. No. 198. 'Algodona'.

238203. No. 939.

238204 and 238205. SOLANUM JUZEPCZUKII Buk.

238204. No. 483. Wild form.

238205. No. 484. Wild form.

238206 and 238207. SOLANUM MALINCHENSE Hawkes

238206. No. 72. Wild form.

238207. No. 605. Wild form.

238208. SOLANUM RYBINII Juz. & Buk.

No. 117. 'Chaucha'.

238209 and 238210.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 25, 1957.

238209. BERBERIS × CHENAULTII Chenault Berberidaceae.

Barberry.

Col. No. 3625. Raymond Chenault Nursery, Orleans, Loiret.

238210. BERBERIS sp.

Col. No. 3618.

238211 to 238217.

From Nepal. Seeds presented by the United States Operations Mission, Katmandu. Received Mar. 25, 1957.

238211. ANDROPOGON sp. Poaceae.

No. 6.

238212. ARUNDO sp. Poaceae.

No. 7.

238213. CHRYSOPOGON sp. Poaceae.

No. 2.

238214. ERIANTHUS sp. Poaceae.

No. 1.

238215. ERIANTHUS sp.

No. 4.

238216. MISCANTHUS sp. Poaceae.

No. 5.

238217. MISCANTHUS sp.

No. 8.

238218 and 238219.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 26, 1957.

Collected at the Raymond Chenault Nursery, Orleans, Loiret. Mar. 11, 1957.

238218. *RUSCUS ACULEATUS* L. Convallariaceae.

Narrow-leaved butcher's-broom.

Col. No. 3630. 'Lanceolatus'. Plant from the wild.

238219. *STRANVAESIA DAVIDIANA* var. *UNDULATA* (Dcne.) Rehd. & Wils. Malaceae.

Col. No. 3631. 'Fructo-lutea'. Shrub; fruit yellow. (Seeds.)

238220. *CLYMENIA POLYANDRA* (Tanaka) Swingle Rutaceae.

From Australia. Seeds presented by Ed. Pollock, Parkes, New South Wales. Received Mar. 26, 1957.

Originally from New Ireland, Bismarck Archipelago.

238221 to 238384.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Mar. 26, 1957.

Localities given are the Australian sources.

238221. *ADESMIA MURICATA* (Jacq.) DC. Fabaceae.

No. 10548. France.

238222. *AGROPYRON ELONGATUM* (Host.) Beauv. Poaceae.

Tall wheatgrass.

No. 16022. Belgium.

238223. *AGROPYRON SEMICOSTATUM* (Steud.) Nees ex Boiss.

Drooping wheatgrass.

No. 13471. Japan.

238224. *AGROPYRON UGAMICUM* Drobov

Wheatgrass.

No. 13472. Sweden.

238225. *AGROPYRON SCABRIGLUME* (Hack.) Parodi

Wheatgrass.

No. 11765. Argentina.

238226. *AGROSTIS PALLIDA* With. Poaceae.

Bentgrass.

No. 15202. Spain.

238227. *ALOPECURUS UTRICULATUS* Banks & Solander Poaceae.

Foxtail.

No. 15552. Israel.

238228. *ANDROPOGON LATERALIS* Nees Poaceae.

Bluestem.

No. 11767. Paraguay.

238229. *ANDROPOGON PANICULATUS* Lam.

Bluestem.

No. 11770. Argentina.

238230. *ANTHOXANTHUM AMARUM* Brot. Poaceae.

No. 10431. Portugal.

238231. *ARRHENATHERUM PALAESTINUM* Boiss. Poaceae.

No. 15556. Israel.

238232. *ASTREBLA PECTINATA* (Lindl.) F. Muell. Poaceae.

Mitchell grass.

No. Q167. Queensland.

238233. *AXONOPUS ULEI* (Hack.) Swallen Poaceae.

Carpetgrass.

No. 11775. Brazil.

238221 to 238384—Continued

- 238234.** *BOSSIAEA FOLIOSA* A. Cunn. Fabaceae.
No. C507. Southeast of Kiandra, New South Wales.
- 238235.** *BOUTELOUA HETEROSTEGA* (Trin.) Griffiths Poaceae. **Gram.**
No. 12539. Cuba.
- 238236.** *BRACHIARIA LATA* (Schumach.) Hubb. Poaceae.
No. 15363. Sudan.
- 238237.** *BRACHIARIA RUZIZIENSIS* Germ. & C. Eurard Poaceae.
No. 18116. Belgian Congo.
- 238238.** *BRACHYACHNE CONVERGENS* (F. Muell.) Stapf Poaceae.
No. C856. Three miles north of Katherine, Northern Territory.
- 238239.** *BRACHYPODIUM RAMOSUM* (L.) Roem. & Schult. Poaceae. **Falsebrome.**
No. 15133. France.
- 238240.** *BROMUS ARDUENNENSIS* Dum. Poaceae. **Brome.**
No. 13461. Sweden.
- 238241.** *BROMUS ARENARIUS* Labill. Poaceae. **Brome.**
No. W209. Cranmore Park, West Australia.
- 238242.** *BROMUS BREVIARISTATUS* Buckl. **Brome.**
No. 13462.
- 238243.** *BROMUS BRIZAEFORMIS* Fisch. & Mey. **Quaking brome.**
No. 13463. Sweden.
- 238244 and 238245.** *BROMUS* (hybrids). **Brome.**
238244. No. 11971. (*B. catharticus* × *B. hankeanus*.) California.
238245. No. 11973. (*B. catharticus* × *B. stamineus*.) California.
- 238246.** *BROMUS DANTHONIAE* Trin. **Brome.**
No. 12967. Russia.
- 238247.** *BROMUS* (hybrid). **Brome.**
No. 11974. (*B. hankeanus* × *stamineus*.) California.
- 238248.** *BROMUS POLYANTHUS* Scribn. **Brome.**
No. 2360. The Netherlands.
- 238249.** *BROMUS RAMOSUS* Huds. **Brome.**
No. 13464. Sweden.
- 238250.** *BROMUS SITCHENSIS* Trin. **Brome.**
No. 10614. Australia.
- 238251.** *BROMUS STAMINEUS* Desv. **Brome.**
No. W319. West Australia.
- 238252.** *CASSIA ARTEMISIOIDES* Gaud. Caesalpiniaceae. **Wormwood senna.**
No. W528. South of Lake Austin, West Australia.
- 238253.** *CASSIA PLEUROCARPA* F. Muell. **Senna.**
No. W495. North of Perenjori, East Australia.
- 238254.** *CASSIA STURTII* R. Br. **Senna.**
No. Q253. Queensland.
- 238255.** *CATAPODIUM PATENS* (Brot.) Rothm. & P. Silva Poaceae.
No. 13569. Portugal.

238221 to 238384—Continued**238256.** *CATAPODIUM TENELLUM* Husnot.

No. 14398. Portugal.

238257. *CATAPODIUM TUBERCULOSUM* Moris

No. 7621. France.

238258. *CHLORIS ACICULARIS* Lindl. Poaceae.

No. C582. Northern Territory, Australia.

238259. *CHLORIS MYRIOSTACHYA* Hochst.

No. 17657. Kenya.

238260. *CHLORIS PECTINATA* Benth.

No. C611. North of Alice Springs, Northern Territory, Australia.

238261. *CHLORIS PILOSA* Schumach.

No. 17094. Nigeria.

238262. *CHLORIS SCARIOSA* F. Muell.

No. C595. Northern Territory, Australia.

238263. *CLIANTHUS FORMOSUS* (G. Don) Ford & Vickery Fabaceae.

Parrotbeak.

No. C779. South Australia.

238264. *CROTALARIA BROWNEI* Bert. Fabaceae.

No. 13377. Ceylon.

238265. *CROTALARIA GRAHAMIANA* Wight & Arn.

No. 13378. Ceylon.

238266. *CROTALARIA INTERMEDIA* Kotschy

Slender crotalaria.

Queensland, Australia.

238267. *CROTALARIA RETUSA* L.

No. 17180. Nigeria.

238268. *CROTALARIA SERICEA* Retz.

Queensland, Australia.

238269. *CROTALARIA TRIFOLIASTRUM* Willd.

No. C726. Northern Territory, Australia.

238270. *CROTALARIA* sp.

No. W545. East of Mechatharra, Australia.

238271. *CUTANDIA MARITIMA* Benth. Poaceae.

No. 10692. Portugal.

238272. *CYMBOPOGON EXALTATUS* (R. Br.) A. Camus Poaceae.

No. Q206. Queensland.

238273. *TRICHOLAENA REPENS* (Willd.) Hitchc. Poaceae.

Natal grass.

No. 17762. Kenya.

238274. *CYNOSURUS ELEGANS* Desf. Poaceae.

No. 14797. Israel.

238275. *CYPHOLEPIS YEMENICA* Chiov. Poaceae.

No. 17660. Kenya.

238276. *DACTYLOCTENIUM RADULANS* Beauv. Poaceae.

No. Q254. Queensland, Australia.

238221 to 238384—Continued

- 238277.** *DANTHONIA BIPARTITA* F. Muell. Poaceae.
No. C612. Northern Territory, Australia.
- 238278.** *DANTHONIA CAESPITOSA* Gaudich.
No. C543. Paes, Southern Australia.
- 238279.** *DANTHONIA CURVA* Nees
No. 16772. South Africa.
- 238280.** *DANTHONIA FRIGIDA* Vickery
No. C520. Mount Kosciusko, Australia.
- 238281.** *DANTHONIA SETACEA* R. Br.
No. W606. Western Australia.
- 238282.** *DANTHONIA SEMIANNULARIS* (Labill.) R. Br. **Wallaby grass.**
No. N480. Regional Laboratory, Deniliquin, New South Wales, Australia.
- 238283.** *DANTHONIA STRICTA* Schrad.
No. 16257. South Africa.
- 238284.** *DICHANTHIUM SERICEUM* (R. Br.) A. Camus Poaceae.
No. C610. North of Alice Springs, Northern Territory, Australia.
- 238285.** *DICHANTHIUM SUPERCILIATUM* (Hack.) A. Camus.
No. C850. Katherine, Northern Territory, Australia.
- 238286.** *DIGITARIA BROWNEI* (Roem. & Schult.) Hughes Poaceae. **Crabgrass.**
No. C576. Northern Territory, Australia.
- 238287.** *DIGITARIA COENICOLA* (F. Muell.) Hughes **Crabgrass.**
No. C608. Northern Territory, Australia.
- 238288.** *DIGITARIA IBURUA* Stapf **Crabgrass.**
No. 17307. Nigeria.
- 238289.** *DIGITARIA PENTZII* Stent **Crabgrass.**
No. 2007. South Africa.
- 238290.** *DIGITARIA SWAZILANDENSIS* Stent **Crabgrass.**
No. 16665. Southern Rhodesia.
- 238291.** *DORYCNIUM RECTUM* (L.) Ser. Fabaceae.
No. 12433. Portugal.
- 238292.** *ECHINOCHLOA POLYSTACHYA* (H.B.K.) Hitchc. Poaceae.
No. 17116. Nigeria.
- 238293.** *ENNEAPOGON AVENACEUS* (Lindl.) C. E. Hubb. Poaceae.
No. S. 118. Adelaide, Australia.
- 238294.** *ENNEAPOGON FLAVESCENS* (Lindl.) Burbidge
No. S. 120. Adelaide, Australia.
- 238295.** *ENNEAPOGON LINDLEYANUS* (Dom.) C. E. Hubb.
No. S. 121. Adelaide, Australia.
- 238296.** *ENNEAPOGON PALLIDUS* (R. Br.) Beauv.
No. S. 123. Adelaide, Australia.
- 238297.** *ENNEAPOGON OBLONGUS* Burbidge
No. S. 124. Adelaide, Australia.

238221 to 238384—Continued

238298. *ENNEAPOGON POLYPHYLLUS* (Dom.) Burbidge
No. S. 127. Adelaide, Australia.
238299. *ENTEROPOGON MACROSTACHYS* Benth. Poaceae.
No. C.P.I. 17662. Kenya.
238300. *ERAGROSTIS EXPANSA* Link Poaceae. Lovegrass.
No. 11802. Paraguay. (Originally Beltsville, Md.)
238301. *ERAGROSTIS DIELSII* Pilger Lovegrass.
No. S. 128. Adelaide, Australia.
238302. *ERAGROSTIS LANIFLORA* Benth. Lovegrass.
No. C751. Northern Territory, Australia.
238303. *ERAGROSTIS LEPTOCARPA* Benth. Lovegrass.
No. S130. Adelaide, Australia.
238304. *ERAGROSTIS SETIFOLIA* Nees Lovegrass.
No. W539. East of Mechanthana, Western Australia.
238305. *ERAGROSTIS TREMULA* Hochst. ex Steud. Lovegrass.
No. 17108. Nigeria.
238306. *ERIACHNE ARISTIDEA* F. Muell. Poaceae.
No. S133. Adelaide, Australia.
238307. *ERIACHNE CILIATA* R. Br.
No. C857. North of Katherine, Northern Territory.
238308. *ERIACHNE HELMSII* Domin
No. C745. Northern Territory.
238309. *ERIACHNE MUCRONATA* R. Br.
No. C565. Stanley's Chasm, Northern Territory.
238310. *ERIACHNE PULCHELLA* Domin
No. C586. Northern Territory.
238311. *ERIOCHLOA NUBICA* Stapf Poaceae.
No. 15383. Sudan.
238312. *ERIOCHLOA PSEUDOACROTRICHA* (Stapf) C. E. Hubb.
No. S134. Adelaide, Australia.
238313. *FESTUCA ABYSSINICA* Hochst. Poaceae. Fescue
No. 17772. Kenya.
238314. *FESTUCA ALOPECUROS* Schousb Fescue.
No. 12956. Morocco.
238315. *FESTUCA AMPLA* Hack. Fescue.
No. 14405. Portugal.
238316. *GAUDINIA FRAGILIS* (L.) Beauv. Poaceae.
No. 14407. Portugal.
238317. *HOVEA LONGIFOLIA* R. Br. Fabaceae.
No. 428. Mount Kosciusko, Australia.
238318. *HYPARRHENIA CLAESSENSII* Robyns Poaceae.
No. 17267. Belgian Congo.
238319. *HYPARRHENIA HIRTA* (L.) Stapf
No. 5786. The Netherlands.

238221 to 238384—Continued

238320. *HYPARRHENIA LINTONII* Stapf
No. 17664. Kenya.
238321. *HYPARRHENIA RUFA* (Nees) Stapf Jaragua.
No. 16045. Kenya.
238322. *HYPARRHENIA RUPRECHTII* (Hack.) Fourn.
No. 17111. Nigeria.
238323. *HYPARRHENIA SUBPLUMOSA* Stapf
No. 17223. Nigeria.
238324. *INDIGOFERA AUSTRALIS* Willd. Fabaceae. Indigo.
No. C400. Five Crossings, Australia.
238325. *INDIGOFERA CRYPTANTHA* Benth. Indigo.
No. 17084. South Africa.
238326. *INDIGOFERA ENDECAPHYLLA* Jacq. Creeping indigo.
No. 16110. Gold Coast, Africa.
238327. *INDIGOFERA GLANDULOSA* Wendl. Himalayan indigo.
No. 13729. India.
238328. *INDIGOFERA HIRSUTA* L. Hairy indigo.
No. 16676. Southern Rhodesia.
238329. *INDIGOFERA RETROFLEXA* Baill. Indigo.
No. 13421. Kenya.
238330. *INDIGOFERA SUBULATA* Vahl ex Poir. Indigo.
No. 17890. Kenya.
238331. *INDIGOFERA SCHIMPERI* Jaub. & Spach Indigo.
No. 16055. Kenya.
238332. *LASIOCHLOA ECHINATA* (Thunb.) Henr. Poaceae.
No. 16350. South Africa.
238333. *LASIOCHLOA HISPIDA* (Thunb.) Kunth
No. 16355. South Africa.
238334. *LOTUS CONIMBRICENSIS* Brot. Fabaceae. Trefoil.
No. 10697. Portugal.
238335. *LOTUS PEREGRINUS* L. Trefoil.
No. 15318. Israel.
238336. *LOTUS PUSILLUS* Medic Trefoil.
No. 14865. Israel.
238337. *LOTUS TENUIS* Waldst. & Kit. ex Willd. Trefoil.
No. Q170. Queensland, Australia.
238338. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urban Fabaceae. Alfalfa.
No. 14656. France.
238339. *MELILOTUS NEAPOLITANA* Ten. Fabaceae. Sweetclover.
No. 16609.
238340. *MICROLAENA STIPOIDES* (Labill.) R. Br. Poaceae.
No. C513. New South Wales, Australia.

238221 to 238384—Continued

- 238341.** *NEURACHNE ALOPECUROIDES* R. Br. Poaceae.
No. W614. Northam, West Australia.
- 238342.** *NEURACHNE MITCHELLIANA* Nees
No. C613. Alice Springs, Northern Territory, Australia.
- 238343.** *OXYLOBIUM ELLIPTICUM* (Labill.) R. Br. Fabaceae.
No. C406. Mount Ginint, Australia.
- 238344.** *PANICUM CYMBIFORME* Hughes Poaceae.
No. W426. Kimberley Research Station, Western Australia.
- 238345.** *PANICUM DECOMPOSITUM* R. Br.
No. C789. Gibber Plain, Southern Australia.
- 238346.** *PANICUM LANIPES* Mez
No. 17289. Belgian Congo.
- 238347.** *PENTASCHISTIS THUNBERGII* Stapf Poaceae.
No. 16334. South Africa.
- 238348.** *PEROTIS RARA* R. Br. Poaceae.
No. S135. Adelaide, South Australia.
- 238349.** *PLAGIOSETUM REFRACTUM* Benth. Poaceae.
No. C703. North of Alice Springs, Northern Territory, Australia.
- 238350.** *PLECTRACHNE RIGIDISSIMA* (Pilger) C. E. Hubb. Poaceae.
No. W583. Western Australia.
- 238351.** *PSORALEA ADSCENDENS* F. Muell. Fabaceae. **Scurf-pea.**
No. N439. New South Wales, Australia.
- 238352.** *PSORALEA BITUMINOSA* L. **Scurf-pea.**
No. 17372. New Zealand. Originally from Spain.
- 238353.** *PSORALEA CINEREA* Lindl. **Scurf-pea.**
No. Q258. Queensland, Australia.
- 238354.** *PSORALEA PATENS* Lindl.
No. C661. West of Dashwood Chasm, Northern Territory, Australia.
- 238355.** *SORGHUM INTRANS* F. Muell. Poaceae.
No. C460. Katherine, Northern Territory, Australia.
- 238356.** *SORGHUM LAXIFLORUM* F. M. Bailey.
No. C470. Katherine, Northern Territory, Australia.
- 238357.** *SORGHUM PLUMOSUM* (R. Br.) Beauv.
No. Q194. Queensland, Australia.
- 238358.** *SORGHUM STIPOIDEUM* (Ewart & J. White) Gard. & C. E. Hubb.
No. C450. Katherine, Northern Territory, Australia.
- 238359.** *TETRAGONOLOBUS PURPUREUS* Moench Fabaceae.
No. 11033. Canada.
- 238360.** *THEMEDA AUSTRALIS* (R. Br.) Stapf Poaceae.
No. W567. South of Lawlors, West Australia.
- 238361.** *THEMEDA TRIANDRA* Forsk. **Rooi grass.**
No. 16347. South Africa.

238221 to 238384—Continued

238362. *TRIFOLIUM DIFFUSUM* Ehrh. Fabaceae. Clover
No. 13589. Portugal.
- 238363 and 238364. *TRIFOLIUM ECHINATUM* Bieb. Clover.
238363. No. 14767. Israel.
238364. No. 14941. Israel.
238365. *TRIFOLIUM ISODON* Murb. Clover.
No. 15813. Australia.
238366. *TRIFOLIUM MARITIMUM* Huds. Clover.
No. 10482. Portugal.
238367. *TRIFOLIUM* sp.
No. 14223. Greece.
238368. *TRIFOLIUM PETRISAVII* Clem. Clover.
No. 13946. Cyprus.
238369. *TRIFOLIUM PALLIDUM* Waldst. & Kit. Clover.
No. S11. Southern Australia.
- 238370 and 238371. *TRIFOLIUM PURPUREUM* Loisel. Clover.
238370. No. 13816. Beirut, Lebanon.
238371. No. 13934. Cyprus.
238372. *TRIFOLIUM STRIATUM* L. Striate clover.
No. 14740. Portugal.
238373. *TRIRAPHIS MOLLIS* R. Br. Poaceae.
No. S136. Waite Institute, Adelaide, Southern Australia.
238374. *VICIA ARTICULATA* Hornem. Fabaceae. Vetch
No. 9187. Alabama, United States.
238375. *VICIA CORNIGERA* Chaub. ex St. Amans. Vetch.
No. 10381. Bulgaria.
238376. *VICIA GLOBOSA* Retz. Vetch.
No. 10389. Bulgaria.
238377. *VICIA HYBRIDA* L. Vetch.
No. 15654. Israel.
238378. *VICIA LUDOVICIANA* Nutt. Vetch.
No. 10392. Bulgaria.
238379. *VICIA MACROCARPA* (Moris.) Bertol. Vetch.
No. 16641. Portugal.
238380. *VICIA NARBONENSIS* L. Vetch.
No. 14115. Italy.
238381. *VICIA OBSCURA* Vog. Vetch.
No. 18107. Brazil.
- 238382 and 238383. *VICIA ANGUSTIFOLIA* var. *SEGETALIS* (Thuill.) Koch. Vetch.
238382. No. 10421. Bulgaria.
238383. No. 11738. France.
238384. *LATHYRUS KILIMANDSHARICUS* Taub. Fabaceae.
No. 17849. Kenya.

238385 and 238386.

From Great Britain. Scions presented by the East Malling Research Station, Maidstone, Kent, England. Received Mar. 26, 1957.

238385. *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

'Feuille Morte'.

238386. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

'Comice'-B-353-D.

238387 and 238388.

From Jordan. Seeds presented by Harley W. Roath, Amman. Received Mar. 26, 1957.

238387. *HORDEUM* sp. Poaceae.

'Qunnarie'.

238388. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

F-8.

238389 to 238415. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Kenya. Seeds presented by the Plant Breeding Station, Njoro. Received Mar. 26, 1957.

238389. 'Cobbs 1066'.

238403. 358-P.6.A.

238390. 'Cobbs 1066.1'.

238404. 358-P.7.A.

238391. 'D.C. Ceres' X R.64.

238405. 358-P.7.C.

238392. RL 2150/A.

238406. 358-R.3.C.

238393. 131.

238407. 358-R.7.E.

238394. 184-1.2.A.1.A.

238408. 362-A.1.D.1.

238395. 249M.

238409. 362-B.1.A.1.B.

238396. 261E.

238410. 362-B.1.D.3.D.

238397. 321-BT.1.B.1.

238411. 362-B.1.E.4.

238398. 354-P.3.B.2.B.

238412. 363-K.1.B.3.

238399. 356-A.2.A.

238413. 367-AR.3.B.1.C.

238400. 356-A.12.C.

238414. 367-AR.3.B.2.B.

238401. 358-AA.5.B.

238415. 367-BR.1.D.4.B.

238402. 358-AC.4.A.

238416 to 238488. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From Turkey. Seeds presented by Dr. Vamik Taysi, Ismir, Bornova. Received Mar. 26, 1957.

238416. No. 1890. 'Susam'. Gemlik; elevation 100 meters.

238417. No. 1891. 'Susam'. Lalapasa-Merkez; elevation 140 meters.

238418. No. 1892. 'Kara Kuncu'. Islahiye; elevation 490 meters.

238419. No. 1893. 'Kuncu'. Dortyol; elevation 10 meters.

238420. No. 1894. 'Susam'. Bergama; elevation 35 meters.

238421. No. 1895. 'Susam'. Akseki; elevation 1,020 meters.

238422. No. 1896. 'Susam'. Gediz; elevation 700 meters.

238423. No. 1897. 'Kuncu'. Bahce; elevation 450 meters.

238424. No. 1898. 'Kuncu'. Bahce; elevation 450 meters.

238425. No. 1899. 'Susam'. Ergani; elevation 825 meters.

238426. No. 1900. 'Kuncu'. Osmaniye; elevation 130 meters.

238416 to 238488—Continued

238427. No. 1901. 'Yerli Susam'. Exine; elevation 3 meters.
238428. No. 1902. 'Susam'. Cemiskezek; elevation 1020 meters.
238429. No. 1903. 'Kuncu'. Cungus; elevation 800 meters.
238430. No. 1904. 'Kirmizi Susam'. Demirci; elevation 900 meters.
238431. No. 1905. 'Sari Susam'. Demirci; elevation 850 meters.
238432. No. 1906. 'Susam'. Kadirli; elevation 140 meters.
238433. No. 1907. 'Susam'. Yenisehir; elevation 225 meters.
238434. No. 1908. 'Kuncu'. Pazarcik; elevation 900 meters.
238435. No. 1909. 'Sari Susam'. Ayiracik; elevation 45 meters.
238436. No. 1910. Edirne-Merkez; elevation 35 meters.
238437. No. 1911. 'Karisk Susam'. Anamur; elevation 30 meters.
238438. No. 1912. Manavgat; elevation 40 meters.
238439. No. 1913. 'Sari Susam'. Ula; elevation 15 meters.
238440. No. 1914. Sogut; elevation 700 meters.
238441. No. 1915. 'Sari Susam'. Izmir-Sogut; elevation 110 meters.
238442. No. 1916. 'Yaglik Susam'. Alasehir; elevation 145 meters.
238443. No. 1917. 'Standard'. Alasehir; elevation 189 meters.
238444. No. 1918. 'Sari Susam'. Alasehir; elevation 168 meters.
238445. No. 1919. 'Susam'. Alasehir; elevation 168 meters.
238446. No. 1920. Alasehir; elevation 189 meters.
238447. No. 1921. Alasehir; elevation 189 meters.
238448. No. 1922. Adana; elevation 25 meters.
238449. No. 1923. Mugla; elevation 60 meters.
238450. No. 1924. 'Beyaz Susam'. Akhisar; elevation 100 meters.
238451. No. 1925. 'Kuncu'. Maras-Andirin; elevation 350 meters.
238452. No. 1926. Ceyhan; elevation 40 meters.
238453. No. 1927. Canakkale; elevation 10 meters.
238454. No. 1928. Adana-Karaisali; elevation 360 meters.
238455. No. 1929. 'Kuncu'. Malazgirt-Tunceli; elevation 1458 meters.
238456. No. 1930. 'Beyaz Susam'. Denizli; elevation 800 meters.
238457. No. 1931. Pertek; elevation 450 meters.
238458. No. 1932. 'Sari Susam'. Odemis-Izmir; elevation 100 meters.
238459. No. 1933. 'Sari Susam'. Odemis-Izmir; elevation 120 meters.
238460. No. 1934. Lapseki; elevation 200 meters.
238461. No. 1935. 'Alcak Boylu Susam'. Bigadic; elevation 145 meters.
238462. No. 1936. 'Yukse Boylu Susam'. Bigadic; elevation 145 meters.
238463. No. 1937. 'Kirmizi Susam'. Saraykoy-Denizli; elevation 165 meters.
238464. No. 1938. Seferihisar; elevation 25 meters.
238465. No. 1939. Alanya; elevation 10 meters.
238466. No. 1940. Seyhan-Kozan; elevation 150 meters.
238467. No. 1941. 'Susam-Sokme'. Yatagan; elevation 500 meters.
238468. No. 1942. Eskisehir; elevation 260 meters.
238469. No. 1943. Burdur; elevation 1020 meters.

238416 to 238488—Continued

238470. No. 1944. Selcuk; elevation 35 meters.
 238471. No. 1945. Turgut lu; elevation 70 meters.
 238472. No. 1946. 'Kaba Susam'. Mugla-Fethiye-Koycegiz; elevation 6 meters.
 238473. No. 1947. 'Kaba Kivrak'. Mugla-Fethiye-Koycegiz; elevation 8 meters.
 238474. No. 1948. 'Yerli Susam'. Buldan-Denizli; elevation 620 meters.
 238475. No. 1949. Mugla-Bodrum; elevation 20 meters.
 238476. No. 1950. 'Sari Susam'. Balikesir-Bandirma; elevation 40 meters.
 238477. No. 1951. Manisa-Selendi; elevation 400 meters.
 238478. No. 1952. Icel-Mersin; elevation 50 meters.
 238479. No. 1953. Kirklareli-Vize; elevation 75 meters.
 238480. No. 1954. Usak-Karahalli; elevation 900 meters.
 238481. No. 1955. Adiyaman-Kahta; elevation 850 meters.
 238482. No. 1956. 'Yerli Susam'. Bursa-Mudanya; elevation 350 meters.
 238483. No. 1957. Balikesir-Kepsut; elevation 80 meters.
 238484. No. 1958. Tekirdag-Sarkoy; elevation 25 meters.
 238485. No. 1959. Bursa-Orhangazi; elevation 70 meters.
 238486. No. 1960. Icel-Mut; elevation 320 meters.
 238487. No. 1961. Kirklareli-Babeski; elevation 70 meters.
 238488. No. 1962. Selcuk; elevation 35 meters.

238489 to 238497. ORYZA SATIVA L. Poaceae.**Rice.**

From Argentina. Seeds presented by the Estacion Experimental Nacional, Oliveros, Santa Fe. Received Mar. 27, 1957.

238489. 'Blue Rose Sel. M.A.'
 238490. 'Cenit'.
 238491. 'Chacarero F.A.'
 238492. 'Japones Gigante Sel. M.A.'
 238493. 'Panoja 1 Sel. 22-2'.
 238494. 'Precosur 1 F.A.'
 238495. 'Victoria F.A.'
 238496. 'Victoria Tardio Sel. 2 F.A.'
 238497. 'Yamani Sel. M.A.'

238498 to 238511.

From Portugal. Plant material collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 27, 1957.

238498. ARAUJIA SERICIFERA Brot. Asclepiadaceae.

Col. No. 3661. Evergreen vine; leaves elliptic to ovate, shining green above; pods large; hardy in far south.

238499 and 238500. CAMELLIA JAPONICA L. Theaceae. Common camellia.

Cuttings from Jardim Botanico, Oporto. Mar. 21, 1957.

238499. Col. No. 3669. 'Mathotiana'. Flowers scarlet, 5 inches in diameter; petals metallic blue at tips.

238500. Col. No. 3670. 'Augusto Leal Gouveia Pinto'. Flowers salmon pink, convex, double.

238498 to 238511—Continued

238501. *CHLOROPHYTUM COMOSUM* Baker Liliaceae.

Col. No. 3671. Companhia Horticolo Nursery, Agricola Portuense, Oporto. Mar. 21, 1957. Perennial; roots tuberous, fascicled; leaves long, strap-shaped, margins white; flowers white. (Clump.)

238502. *CROCUS CLUSII* J. Gay Iridaceae.

Col. No. 3659. Jardim Botanico, Oporto. Mar. 21, 1957. Floral tube 4 inches long; throat white within; segments light purple, darker toward base; winter flowering. (Bulbs.)

238503. *CYTISUS MULTIFLORUS* (Ait.) Sweet Fabaceae.

Col. No. 3662. Jardim Botanico, Oporto. Shrub to 6 feet high; branches arching gracefully; flowers white. (Cuttings.)

238504. *KALANCHOE* sp. Crassulaceae.

Col. No. 3664. Jardim Botanico, Oporto. Mar. 21, 1957.

238505. *LEUCOJUM AUTUMNALE* L. Amaryllidaceae.

Snowflake.

Col. No. 2660. Jardim Botanico, Oporto. Mar. 21, 1957. Bulbous perennial; leaves grasslike; flowers white, in autumn.

238506. *NARCISSUS JONQUILLA* L. Amaryllidaceae.

Col. No. 3666. Jardim Botanico, Oporto. Mar. 21, 1957. Bulbous perennial; flowers yellow, fragrant.

238507. *NARCISSUS RUPICOLA* Dufour.

Col. No. 3663. Near Amedo, Province Tres des Mondes. Mar. 21, 1957. Bulbous perennial; flowers yellow.

238508. *ROMULEA BULBOCODIUM* (L.) Sebast. & Mauri. Iridaceae.

Col. No. 3665. Province Villa de Conde. Mar. 21, 1957. Plant to 5 inches high; flowers lavender, crocuslike. (Bulbs.)

238509. (Undetermined.)

Col. No. 3668. Greenhouse, Jardim Botanico, Oporto. Mar. 21, 1957. Trailing succulent; leaves variegated. (Cuttings.)

238510. *CALVOA ORIENTALIS* Taub. Melastomataceae.

Col. No. 3667. Jardim Botanico, Oporto. Mar. 21, 1957. Plants to 14 inches high; leaves 4 inches long, 1 inch wide, light green, shining; flowers mauve. (Seeds.)

238511. *CROCUS CLUSII* J. Gay Iridaceae.

Col. No. 3659. Jardim Botanico, Oporto. (Seeds.)

238512 to 238518. PRUNUS DOMESTICA L. Amygdalaceae.

Common plum.

From Germany. Scions presented by the Obstbauversuchsanstalt der Landwirtschaftskammer, Hannover, Hamburg. Received Mar. 28, 1957.

238512. 'Borsumer Zwetsche'.

238516. 'Saure Zwetsche'.

238513. 'Buhler Fruhwetsche'.

238517. 'Zesterfleth'.

238514. 'Fruhe Fruchtbare'.

238518. 'Zimmers Fruhwetsche'.

238515. 'Hauszwetsche'.

238519 to 238529.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 29, 1957. Collected Mar. 16 to 20, 1957.

238519. *ANEMONE NEMOROSA* L. Ranunculaceae.

Col. No. 3651. On rocky woodland, road between Riano and Guardo, Province Leon. Rhizomatous perennial; flowers white. (Plants.)

238519 to 238529—Continued**238520.** *CYTISUS* sp. Fabaceae.

Col. No. 3648. Open slopes, vicinity of Riano, Province Leon. Elevation 3,000 feet. Shrub to 6 feet high; branches bright green, spreading. (Scions.)

238521. *DAPHNE LAUREOLA* L. Thymelaeaceae. **Spurge laurel.**

Col. No. 3652. Steep mountain slopes, Pecos de Europa, road between and Guardo. Elevation 3,500 feet. Evergreen shrub to 3 feet high; Riano leaves shining; flowers greenish-yellow. (Cuttings.)

238522. *JUNIPERUS THURIFERA* L. Pinaceae.

Col. No. 3654. Above Rio Esla, Province Leon. Elevation 3,000 feet. Tree to 20 feet high, compact habit. (Cuttings.)

238523. *NARCISSUS ASTURIENSIS* (Jord.) Pugsl. Amaryllidaceae.

Col. No. 3647. Open grassy slopes near summit of Puerto de San Gloria, Picos de Europa, Province Santander. Elevation 4,800 feet. Plant to 7 feet high; flowers deep yellow, about 1 inch diameter; segments long. (Bulbs.)

238524. *NARCISSUS BULBOCODIUM* L. **Petticoat daffodil.**

Col. No. 3653. Bog 25 miles north of Coimbra along road to Oporto. Elevation 3,000 feet. Plant to 2 feet high; flowers deep yellow. (Bulbs.)

238525. *NARCISSUS PSEUDONARCISSUS* ssp. *NOBILIS* (Schult. f.) Fernd.

Col. No. 3649. Meadows along road to Puerto del Ponton, 3 miles from Riano, Province Leon. Elevation 3,000 feet. Plant vigorous to 14 inches high. (Bulbs.)

238526. *NARCISSUS PSEUDONARCISSUS* ssp. *TORTUOSUS* (Haw.) Fernd.

Col. No. 3645. Steep sloping meadow facing north, 2.5 miles south of Unquera, Province Santander. Leaves slightly twisted; flowers light yellow, pendulous. (Bulbs.)

238527. *NARCISSUS TRIANDRUS* var. *CERNUUS* (Salisb.) Bak.

Col. No. 3655. Along road at border of Orense and Pontevedra Provinces. Plants to 8 inches high; flowers white and creamy yellow. (Bulbs.)

238528. *GLOBULARIA WILKOMII* Nym. Globulariaceae.

Col. No. 3646. Rocky cliffs above Rio Diva, Picos de Europa, Province Santander. Semi-evergreen perennial; leaves leathery, deep green; flowers lavender. (Plants.)

238529. *NARCISSUS TRIANDRUS* L.

(No field note.) (Bulbs.)

238530 to 238536.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 29, 1957.

238530 to 238535. From the Bubu River, near Garaina.**238530 and 238531.** *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.****238530.** Col. No. 4. Ti-i. Clone 57 NG 4.**238531.** Col. No. 5. Ti-i. Clone 57 NG 5.**238532 to 238535.** *SACCHARUM OFFICINARUM* L. **Sugarcane.****238532.** Col. No. 6. 'Su su'. Clone 57 NG 6.**238533.** Col. No. 7. 'Otuna'. Clone 57 NG 7.**238534.** Col. No. 8. 'Desogo'. Clone 57 NG 8.**238535.** Col. No. 9. 'Pubama'. Clone 57 NG 9.

238530 to 238536—Continued**238536.** *SACCHARUM* sp.

Col. No. 10. Lae Botanical Gardens, Lae.

238537 to 238546.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 1, 1957.

Collected Mar. 19 to 23, 1957.

238537. *CITRUS* sp. Rutaceae.

Col. No. 564. Botanic Gardens, Lae.

238538. *SACCHARUM ROBUSTUM* Brandes & Jesw. Poaceae. **Sugarcane.**

Col. No. 554. Collected by Dr. D. Shaw at Kongora near Togaba and Mount Hagen.

238539 to 238545. *SACCHARUM SPONTANEUM* L. **Sugarcane.****238539.** Col. No. 555. Roadside between Laloki and Brown Rivers.**238540.** Col. No. 556. Roadside on Roura Falls road, about 9 miles from Port Moresby. Long-tassel type.**238541.** Col. No. 557. Roadside, Roura Road, 8 miles from Port Moresby.**238542.** Col. No. 558. Roadside, Roura Road, 15 miles from Port Moresby.**238543.** Col. No. 565. Saidor Coast near Madang. (Plant included from Lae Botanical Gardens.)**238544.** Col. No. 567. Hotel Cecil, Lae.**238545.** Col. No. 568. Busu Loop, Lae.**238546.** *SACCHARUM* sp.

Col. No. 566. Near Lae.

238547 to 238559.

From Germany. Scions presented by the Bundesforschungsanstalt f. Forst-u. Holzwirtschaft, Schmalenbeck. Received Apr. 1, 1957.

238547. *LARIX DECIDUA* Mill. Pinaceae. **European larch.**
No. C50.

238548 to 238554. *PICEA ABIES* (L.) Karst. Pinaceae. **Norway spruce.**

238548. No. 636. Sandino $\times$ Schri.**238549.** No. 636. Sandino $\times$ Solivaix.**238550.** No. 686. Sandino $\times$ Schirosior.**238551.** No. Th-1.**238552.** No. Th-2.**238553.** No. Th-19.**238554.** No. Th-73.

238555 to 238559. *POPULUS* $\times$ *ROBUSTA* Schneid. Salicaceae. **Poplar.**

238555. 'Danndorf'.**238558.** 'Sudboden'.**238556.** 'Lampertshein'.**238559.** 'Welt-I'.**238557.** 'Moos-I'.**238560 to 238562.**

From Great Britain. Tubers presented by the Lenton Experiment Station, Nottingham. Received Apr. 1, 1957.

238560. *DIOSCOREA BALCANICA* Kosanin Dioscoreaceae. **Yam.**

238560 to 238562—Continued**238561.** *Dioscorea caucasica* Lipsky Yam.**238562.** *Dioscorea nipponica* Makino Yam.**238563.** *Pyrus communis* L. Malaceae. **Common pear.**

From Italy. Budwood presented by the University of Pisa, Pisa. Received Apr. 1, 1957.

'Santa Maria'. ('Bon Chretien Williams' $\times$ 'Cascia No. 29'). Tree vigorous, productive and intermediate between the parents in season of ripening; fruit yellowish with red blush, said to be resistant to bruising; flesh tender, translucent, sweet.**238564 to 238572.**

From the Union of South Africa. Plants presented by the Department of Agriculture, Pretoria, Transvaal. Received Apr. 1, 1957.

Locations given are original sources of material.

238564. *Sansevieria deserti* N. E. Brown Liliaceae.

Potgietersrus, Transvaal.

238565 to 238567. *Sansevieria grandis* Hook. f.**238565.** Oliphants River, Cape Province.**238566.** No. 24.**238567.** No. 56. Bonza Bay, East London, Cape Province.**238568 and 238569.** *Sansevieria scabrifolia* Dinter**238568.** British Bechuanaland.**238569.** 'Codd 5825'. Gobabis, Southwest Africa.**238570 to 238572.** *Sansevieria thyrsiflora* Thumb.**238570.** (No data.)**238571.** 'Story 3829'. Cape Province.**238572.** 'Story 3832'. Cape Province.**238573 to 238575.** *Saccharum* (hybrids). Poaceae. **Sugarcane.**

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 2, 1957.

238573. 57 NG1.**238574.** 57 NG2.**238575.** 57 NG3.**238576.** *Euphorbia leucocephala* Lotsky Euphorbiaceae.

From Jamaica. Seeds presented by E. A. Menninger, Stuart, Fla. Received July 16, 1957.

238577. *Calliandra* sp. Mimosaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 11, 1957.

No. 14488. Sonora.

238578 to 238590.

From the Netherlands. Plant purchased from the Old Farm Nurseries, Boskoop. Received Mar. 29, 1957.

238578. *Abies balsamea* var. *hudsonia* (Jacques) Sudw. Pinaceae
Hudson Bay fir.

238578 to 238590—Continued

238579. *ABIES BALSAMEA* (L.) Miller Balsam fir.
'Nana'.

238580. *ABIES PINSAPO* Boiss. Spanish fir.
'Aurea'.

238581. *CEDRUS ATLANTICA* Manetti Pinaceae. Atlas cedar.
'Aurea Robusta'.

238582. *CEDRUS DEODARA* (Lamb.) Loud Deodar cedar.
'Verticillata Glauca'.

238583 to 238589. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.

238583. 'Highlandia'. **238587.** 'Pachyphylla'.

238584. 'Hornibrookii'. **238588.** 'Pumila Nigra'.

238585. 'Humilis'. **238589.** 'Pseudoprostrata Mawxellii'.

238586. 'Merki'.

238590. *PINUS MUGO* Turra Pinaceae. Pine.
'Gnom'.

238591. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

From Korea. Seeds presented by the Taegu Tobacco Experiment Station, Taegu. Received Apr. 8 1957.

238592. *JUNIPERUS THURIFERA* L. Pinaceae.

From Spain. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Mar. 29, 1957.

Col. No. 3654. Mountain slope above Rio Esla, Leon Province. Mar. 18, 1957. Elevation 3,000 feet. Tree small, compact habit.

238593 to 238599.

From Japan. Plants presented by the Kofu-En Bonzai Nursery, Uyji Yoslaamura, Meguro-ku, Tokyo. Received Apr. 2, 1957.

238593. *ACER BUERGERIANUM* Miquel Aceraceae. Trident maple.

238594. *ENKIANTHUS PERULATUS* C. Schneid. Ericaceae. White enk.

238595. *ILEX SERRATA* var. *SIEBOLDII* Loes. Aquifoliaceae. Holly.

238596. *PICEA GLEHNII* (Schmidt) Masters Pinaceae. Sakhalin spruce.

238597. *PINUS PENTAPHYLLA* Mayr Pinaceae. Pine.

238598. *RHODODENDRON INDICUM* (L.) Sweet Ericaceae. Azalea.

238599. *ZELKOVA SERRATA* (Thunb.) Makino Ulmaceae. Sawleaf zelkova.

238600 to 238639.

From Mexico. Plant collected by H. S. Gentry and E. P. Imle, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 3, 1957.

Collected Mar. 16 to 24, 1957.

238600. *ANTHURIUM* sp. Araceae.

Col. No. 62A. Sierra Sumidera, above Tuxtla Gutierrez, Chiapas.

238600 to 238639—Continued

238601 to 238617. *Dioscorea composita* Hemsl. Dioscoreaceae. **Yam.**

238601. Col. No. 16437. East of San Andres Tuxtla, Veracruz.

238602 to 238609. Rio Papaloapan, Veracruz.

238602. Col. No. 16438. **238606.** Col. No. 16442.

238603. Col. No. 16439. **238607.** Col. No. 16443.

238604. Col. No. 16440. **238608.** Col. No. 16444.

238605. Col. No. 16441. **238609.** Col. No. 16445.

238610 to 238612. Rancho del Carmen, south of Tierra Blanca, Veracruz.

238610. Col. No. 16446.

238611. Col. No. 16447.

238612. Col. No. 16448.

238613 to 238617. Tierra Blanca, Veracruz.

238613. Col. No. 16450. **238616.** Col. No. 16453.

238614. Col. No. 16451. **238617.** Col. No. 16454.

238615. Col. No. 16452.

238618. *Dioscorea floribunda* Mart. & Gal. **Yam.**

Col. No. 16455. Tierra Blanca, Veracruz.

238619 to 238636. *Dioscorea spiculiflora* Hemsl. **Yam.**

238619. Col. No. 56B. Above Tuxtla Gutierrez, Chiapas.

238620 to 238622. Colonia Grijalvo near Chiapa, Chiapas. Elevation 2,400 feet.

238620. Col. No. 16399.

238621. Col. No. 16401.

238622. Col. No. 16402.

238623 to 238625. Thorn forest of Cardenez, along road to Villa Flores Chiapas. Limestone soil.

238623. Col. No. 16405.

238624. Col. No. 16406.

238625. Col. No. 16407.

238626 to 238628. Rancho Reforma along road to Villa Flores, Chiapas.

238626. Col. No. 16412.

238627. Col. No. 16413.

238628. Col. No. 16414.

238629 to 238635. East of Cardenez, along road to Villa Flores, Chiapas.

238629. Col. No. 16420. **238633.** Col. No. 16426.

238630. Col. No. 16421. **238634.** Col. No. 16427.

238631. Col. No. 16424. **238635.** Col. No. 16428.

238632. Col. No. 16425.

238636. Col. No. 10431. Above Rio Chiapa, along road to Cupia, Chiapas.

238637. *Dioscorea* sp.

Col. No. 57B. Sierra Sumidera, above Tuxtla Gutierrez, Chiapas. Roots yellow.

238600 to 238639—Continued**238638.** *EPIDENDRUM RANIFERUM* Lindl. Orchidaceae.

Col. No. 62B. Sierra Sumidera, above Tuxtla Gutierrez, Chiapas.

238639. *PHILODENDRON* sp. Araceae.

Col. No. 16423. East of Cardenez, along road to Villa Flores, Chiapas.

238640 to 238643.

From France. Scions collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received Mar. 18, 1957.

From the Raymond Chenault Nursery, Orleans, Loiret. Mar. 11, 1957.

238640. *BERBERIS* sp. Berberidaceae.

Col. No. 3629. Shrub with red foliage in autumn. Original seeds from China.

238641. *BERBERIS VEITCHII* C. Schneid.**Barberry.**

Col. No. 3615. Shrub; arching habit.

238642. *PINUS NIGRA* Arn. Pinaceae.**Austrian pine.**

Col. No. 3621. 'Pyramidalis'. Dwarf form.

238643. *PRUNUS ARMENIACA* L. Amygdalaceae.**Apricot.**

Col. No. 3628.

238644 to 238664.

From New Guinea. Collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 4, 1957. Collected Mar., 1957.

238644 to 238661. *SACCHARUM* (hybrids). Poaceae.**Sugarcane.**

(Cuttings.)

238644 to 238646. Native garden at Wantaot, Morobe.**238644.** Col. No. 583. Purple form.**238645.** Col. No. 584. Green form.**238646.** Col. No. 585. Purple striped form.**238647 to 238661.** New Guinea. (No data.)**238647.** Col. No. 11. 51NG11.**238655.** Col. No. 19. 57NG19.**238648.** Col. No. 12. 51NG12.**238656.** Col. No. 20. 57NG20.**238649.** Col. No. 13. 57NG13.**238657.** Col. No. 21. 57NG21.**238650.** Col. No. 14. 57NG14.**238658.** Col. No. 22. 57NG22.**238651.** Col. No. 15. 57NG15.**238659.** Col. No. 23. 57NG23.**238652.** Col. No. 16. 57NG16.**238660.** Col. No. 24. 57NG24.**238653.** Col. No. 17. 57NG17.**238661.** Col. No. 25. 57NG25.**238654.** Col. No. 18. 57NG18.**238662 to 238664.** *SACCHARUM SPONTANEUM* L.**Sugarcane.**

(Seeds.)

238662. Col. No. 571. Bubu River, near Garaina, Morobe.**238663.** Col. No. 572. Bubu River, near Garaina, Morebe.**238664.** Col. No. 573. Garaina, Morobe.

238665. TRIPSACUM LAXUM Nash Poaceae. Guatemala gamagrass.

From Guatemala. Plants presented by the Servicio Cooperativo Inter-Americano de Agricultura, La Aurora. Received Apr. 4, 1957.

238666 and 238667.

From Canada. Presented by the Government Grain Research Station, Ottawa. Received Apr. 4, 1957.

238666. HORDEUM sp. Poaceae.

B.532. M.F.B. Originally from Hungary.

238667. HORDEUM sp.

'Nord'. ('Byng' × 'Olli', K.4061.8.) Originally from Ottawa, Ontario.

238668. HORDEUM sp. Poaceae.

From Ireland. Seeds presented by the Department of Agriculture, Ballinacurra. Received Apr. 4, 1957.

Unnamed strain.

238669. CITRUS SINENSIS (L.) Osbeck Rutaceae. Sweet orange.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 5, 1957.

Col. No. 582. Garaina, Morobe. Mar. 23, 1957. Skin tough.

Probably introduced by the Germans.

238670 to 238677. GOSSYPIMUM (hybrids). Malvaceae. Cotton.

From France. Seeds presented by the Institut de Recherches, Textiles Exotiques, Paris. Received Apr. 5, 1957.

238670. A 150.

238674. B. 1439.

238671. A. 150 K.

238675. D 9.

238672. Banda II.

238676. TK 1.

238673. B. 296.5.

238677. W.296-7.

238678. CHRYSANTHEMUM (hybrid). Asteraceae.

From Japan. Seeds held at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Apr. 8, 1957.

'Kuda Mono'. From S. Takahashi, Kimachi, Misayama-shi.

238679 and 238680.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Apr. 8, 1957.

From John Vermuelen & Sons, Inc., Mechanic Station, N.J.

238679. JUNIPERUS SARGENTII (Henry) Takeda ex Nakai Pinaceae.

Sargent juniper.

238680. JUNIPERUS HORIZONTALIS Moench

Creeping juniper.

238681 to 238719.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received Apr. 9, 1957. Collected Mar., 1957.

238681. ASPLENIUM ADIANTUM var. NIGRUM L. Polypodiaceae.

Col. No. 3694. Near Covilha on road towards Manteigas. Elevation 600 feet. Interesting woodland fern.

238681 to 238719—Continued

238682. *ATHYRIUM FELIX-FEMINA* (L.) Roth Polypodiaceae.

Col. No. 3695. Roadside near Covilha, road to Monteigas. Perennial.

238683. *CROCUS CARPETANUS* Boiss. & Reut. Iridaceae.

Col. No. 3678. Serra da Marao between Sao Goncolo and Vila Real. Elevation 1,000 feet. Perennial; flowers light blue.

238684. *CYANOTIS CRISTATA* D. Don Commeliniaceae.

Col. No. 3708. Jardim Botanico, Oporto. Perennial with hairy succulent leaves.

238685. *CYTISUS LUSITANICUS* Quer. Fabaceae.

Broom.

Col. No. 3675. Near Mirandela on open granitic slopes. Shrub; flowers yellow.

238686. *CYTISUS* sp.

Col. No. 3685. Along banks of the Rio Douro, Barca d'Alva on the Spanish border. Shrub; flowers yellow.

238687 to 238689. *ERICA AUSTRALIS* L. Ericaceae.

Heath

Open rocky banks, road towards Mantiegas, near Covilha, foothills of Serra da Estrela.

238687. Col. No. 3689. Shrub; flowers lavender.

238688. Col. No. 3690. Flowers light rosy-purple.

238689. Col. No. 3691. Flowers dark rosy-purple.

238690. *ERICA LUSITANICA* Rudolph

Heath.

Col. No. 3696. Stream banks near Covilha, road to Monteigas. Evergreen shrub, to 6 feet tall, much-branched; leaves linear, $\frac{1}{4}$ inch long; flowers white, clustered.

238691. *EUPHORBIA BIGLANDULOSA* Desf. Euphorbiaceae.

Spurge.

Col. No. 3683. Open slopes, northeastern Serra de Mogadoura.

238692. *GENISTA HYSTRIX* Lange Fabaceae.

Col. No. 3682. Banks of the Rio Douro, Barca d'Alva, Spanish border. Shrub to 4 feet high; flowers bright yellow.

238693. *GENISTA LUSITANICA* L.

Col. No. 3698. Serra da Estrela. Elevation 1,700 feet. Vigorous shrub.

238694. *HERMODACTYLUS TUBEROSUS* (L.) Mill. Iridaceae.

Col. No. 3711. Villa Flor, upper reaches of the Rio Douro. Tuberous-rooted perennial; flowers black-purple, midwinter.

238695. *IRIS ALATA* Poir. Iridaceae.

Scorpion iris.

Col. No. 3710. Between Condeixa and Penela, near the Tagus River. Tuberous-rooted perennial; flowers blue.

238696. *JUNIPERUS COMMUNIS* L. Pinaceae.

Common juniper.

Col. No. 3700. Open granitic slopes, Serra da Estrela. Prostrate shrub, forming large mats on rocks.

238697. *JUNIPERUS OXYCEDRUS* L.

Prickly juniper.

Col. No. 3680. Serra do Mogadouro, between Mogadouro and Castelo Branco. Elevation 1,800 feet. Tree evergreen to 40 feet high; branches pendulous.

238698. *LONICERA ETRUSCA* Santi Caprifoliaceae.

Honeysuckle.

Col. No. 3693. Above Rio Douro, Barca d'Alva, Spanish border. Semi-evergreen shrub; flowers creamy-yellow, suffused with purplish-red.

238681 to 238719—Continued

238699 and 238700. *NARCISSUS ASTURIENSIS* (Jord.) Pugsl. Amaryllidaceae.

238699. Col. No. 3677. Serra da Noqueira near Braganco. Flowers yellow.

238700. Col. No. 3699. Serra da Estrela. Flowers yellow.

238701. *NARCISSUS CYCLAMINEUS* Baker

Col. No. 3709. Moist banks of the Fareira River near Valonga. Flowers yellow.

238702. *NARCISSUS JONQUILLA* L.

Col. No. 3687. Banks of the Rio Douro, Barca d'Alva, Spanish border. Typical streambank type; flowers yellow, fragrant.

238703. *NARCISSUS PSEUDONARCISSUS* L.

Col. No. 3712. 'Early Maximus'. Garden, Entre Quintas, Oporto. Early flowering type.

238704. *NARCISSUS RUPICOLA* Dufour.

Col. No. 3684. Among large granite boulders, near the Rio Douro between Lagoaca and Freixo de Espada a Cinta. Elevation 1,800 feet. Flowers yellow; leaves grasslike; fragrant.

238705. *NARCISSUS SCABERULUS* Henriq.

Col. No. 3703. In crevices of granite boulders in pine woodland south of of Nelco, northeast Coimbra.

238706 to 238708. *NARCISSUS TRIANDRUS* L.

238706. Col. No. 3673. Acid soil in well-drained pine clad slopes, Serra de Marao, between Sao Goncalo and Vila Real. Plant to 10 inches high; flowers creamy-white, the perianth segments sometimes yellowish.

238707. Col. No. 3679. Among large granite boulders between Lagoaca, and Freixo de Espada a Cinta.

238708. Col. No. 3706. On north-facing, grassy slopes near Covilha, foothills of Serra da Estrela. Elevation 1,500 feet.

238709. *ORNITHOGALUM UNIFOLIUM* (L.) Ker. Liliaceae. **Star-of-Bethlehem.**

Col. No. 3702. Pockets of granite boulders near Oliveira do Hospital and Lagares. Elevation 4,200 feet. Flower stalks to 6 inches high; flowers white.

238710. *PAEONIA LUSITANICA* Mill. Ranunculaceae.

Col. No. 3681. Serra do Mogadouro, between Mogadouro and Castelo Bravo. Flowers red.

238711. *PINUS PINASTER* Ait. Pinaceae.

Pine.

Col. No. 3692. Near Covilha on road towards Manteigas. Evergreen tree to 50 feet high.

238712. *POLYGALA MICROPHYLLA* L. Polygalaceae.

Col. No. 3705. Near Luso along the Rio Alva. Plant spreading; flowers blue, very showy.

238713. *QUERCUS PYRENAICA* Willd. Fragaceae.

Oak.

Col. No. 3696. Serra da Marao between Sao Goncalo and Vila Real. Small scrubby tree.

238714. *ROSEMARINUS OFFICINALIS* L. Methaceae.

Col. No. 3701. Roadside near Oliveira do Hospital and Lagares. Perennial to 3 feet high; flowers pale lavender; used for hedges.

238715. *RHODODENDRON PONTICUM* L. Ericaceae.

Col. No. 3704. Along the Rio Merugo, east of Sao Joao da Merida, south of Porto. Shrub to 10 feet high.

238681 to 238719—Continued

238716. *NARCISSUS RUPICOLA* Duf. Amaryllidaceae.

Col. No. 3674. Serra de Marao between Sao Goncaio and Vila Real. Bulbs with single basal leaf; flowers light blue.

238717. *THYMUS CAESPITITUS* Brot. Menthaceae.

Thyme.

Col. No. 3672. Near Amarante. Spreading perennial.

238718. *CYTISUS* sp. Fabaceae.

Col. No. 3685. Banks of the Rio Douro at Barca d'Alva.

238719. *HELIANTHEMUM UMBELLATUM* Mill. Cistaceae.

Col. No. 3707. Serra do Mogadouro. (Seeds.)

238720 and 238721. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Argentina. Tubers presented by the Universidad Nacional de Tucuman, Casilla de Correo, San Miquel de Tucuman, through the Agricultural Attache, American Embassy, Buenos Aires. Received Apr. 9, 1957.

238720. Selection No. 474-544.

238721. Selection No. 481-371.

238722 to 238742.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 10, 1957. Collected Mar. 31, and Apr. 1, 1957.

238722. *TULBAGHIA VIOLACEA* Harv. Liliaceae.

Col. No. 3713. Garden, Porto. Plant bulbous; scapes to 3 feet high; flowers violet.

238723. *BEGONIA PAULENSIS* A. DC. Begoniaceae.

Col. No. 3734. Nursery of Moreira da Salva, Porto. Plant.

238724 to 238733. *CAMELIA JAPONICA* L. Theaceae. **Common camellia.**

238724. Col. No. 3720. 'Portuense'. Plant; leaves yellowish variegated to 2.5 inches long, 1 inch wide; peony-flowered, red, 3 inches in diameter. Quinta das Virtudes, Porto.

238725. Col. No. 3721. 'Saudade de Martins Branco'. Flowers to 5 inches in diameter, semiformal peony-flowered type; petals sanguine. (Cuttings.) Quinta das Virtudes, Porto.

238726. Col. No. 3722. 'Augusto Leal de Gauveia Pinto'. From the Companhia Horticola, Quinta das Virtudes, Porto.

238727. Col. No. 3724. 'Princeza Real'. Quinta do Meio, Entre Quintos, Porto. Flowers 2.5 inches in diameter, pink, formal. (Cuttings.)

238728. Col. No. 3726. 'Dona Jane Andresen'. Moreira da Silva Nursery, Porto. Flowers rose colored. (Cuttings.)

238729. Col. No. 3727. 'Dona Herzilia de Freitas Magalhaes'. Garden near Oporto. Flowers from bright crimson to deep violet. (Cuttings.)

238730. Col. No. 3729. 'Duarte de Oliveira'. Moreira da Silva Nursery, Porto. Flowers scarlet, white spotted, formal type. (Cuttings.)

238731. Col. No. 3730. 'Dr. Baltazar de Melo'. Moreira da Silva Nursery, Porto. Flowers to 4 inches in diameter, red and white striped. (Cuttings.)

238732. Col. No. 3731. 'Rainha Santa Isabel'. Moreira da Silva Nursery, Porto. Formal type; flowers pure white.

238733. Col. No. 3733. 'Lady Hume's Blush'. Garden, Entre Quintas, Porto. Bush large; flowers white, faint blush of pink; excellent for bouquets. (Cuttings.)

238722 to 238742—Continued**238734.** CAMELLIA SASANQUA Thunb.**Sasanqua camellia.**

Col. No. 3725. 'Baronesa de Soutelinho'. Moreira da Silva Nursery, Porto. Flowers pink.

238735. FREYLINIA CESTROIDES Colla Scrophulariaceae.

Col. No. 3732. Moreira da Silva Nursery, Porto. Large evergreen shrub; leaves willowlike.

238736. NARCISSUS JOHNSTONII Pug. Amaryllidaceae.

Col. No. 3728. 'Queen of Spain'. Garden, Entre Quintas, Porto. (Bulbs.)

238737. NARCISSUS JONQUILLA L.

Col. No. 3715. 'Plena'. Garden, Entre Quintas, Porto. Double-flowering jonquil. (Bulbs.)

238738 and 238739. NARCISSUS PSEUDONARCISSUS L.**238738.** Col. No. 3718. Serra d'Arga, Minho. Bicolored. (Bulbs.)**238739.** Col. No. 3719. Garden of Quinta da meio, Oporto. Bicolored. (Bulbs.)**238740.** NARCISSUS TAZETTA L.

Col. No. 3714. South of Coimbra near Santerem. Wild form. (Bulbs.)

238741. NARCISSUS TRIANDRUS L.

Col. No. 3717. Garden, Porto. Large-flowered form. (Bulbs.)

238742. PANCRACTIUM MARITIMUM L. Amaryllidaceae.

Col. No. 3716. Coast at Oporto. (Bulbs.)

238743 and 238744. PYRUS COMMUNIS L. Malaceae.**Common pear.**

From Canada. Scions presented by the Dominion Experiment Station, Kentville, Nova Scotia. Received Apr. 10, 1957.

238743. 'Bristol Cross'.**238744.** 'Pierre Corneille'.**238745.** ASPHODELUS ALBUS Mill. Liliaceae.

From Spain. Plant collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Branch, Beltsville, Md. Received Apr. 10, 1957.

Col. No. 3641. Steep barren slopes above Pesajes de San Juan, near San Sebastian. Mar. 14, 1957. Tuberous-rooted perennial; flowers white with yellow base.

238746 and 238747. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Sweden. Seeds presented by Weibullsholm Plant Breeding Institute, Landskrona. Received Apr. 10, 1957.

238746. 'Atson'.**238747.** 'Svenno'.

238748 to 238756. ZEA MAYS L. Poaceae. Corn.

From Italy. Seeds presented by the Ministry of Agriculture and Forestry, Bergamo. Received Apr. 11, 1957.

238748. L03.

238753. L032.

238749. L08.

238754. L033.

238750. L010.

238755. L058.

238751. L011.

238756. L072.

238752. L012.

238757. ZEA MAYS L. Poaceae. Corn.

From Chile. Seeds obtained through the Agricultural Attaché, Santiago. Received Apr. 11, 1957.

'Cusco Blanco'.

238758. LENS CULINARIS Medic. Fabaceae. Lentil.

From Belgium. Seeds presented by an unknown donor. Received Apr. 11 1957.

238759 to 238784.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 11, 1957. Collected Apr. 5 to 7, 1957.

Cuttings unless otherwise noted.

238759. ADENOCARPUS COMPLICATUS (L.) J. Gay Fabaceae.

Col. No. 3779. Rocky meadow near the top of the Serra do Caramulo. Elevation 2,400 feet. Much-branched shrub to 6 feet high; leaves small, 3-foliate; flowers yellow, streaked red.

238760. ANAGYRIS FOETIDA L. Fabaceae.

Col. No. 3763. Botanical Garden, Coimbra. Ashy-grey deciduous bush to 5 feet high; leaves 3-foliate; flowers yellow, pea-shaped.

238761. ANTHYLLIS HERMANNIAE L. Fabaceae.

Col. No. 3747. Botanical Garden, Coimbra. Much-branched evergreen shrub to 4 feet high; branches spine-tipped; leaves narrow, linear; flowers yellow.

238762. ANTIRRHINUM LINKIANUM Boiss. & Rent. Scrophulariaceae.

Snapdragon.

Col. No. 3768. Serra do Sico, near Ramalhaes, west of Pombal. Flowers pink.

238763. ARISTOTELIA CHILENSIS (Mol.) Stuntz Elaeocarpaceae. Macqui.

Col. No. 3770. Botanical Garden, Coimbra. Evergreen tree to 15 feet high; leaves to 4 inches long, lustrous green; flowers small, white.

238764. BOUGAINVILLEA GLABRA Choisy ex DC. Nyctaginaceae.

Col. No. 3766. Botanical Garden, Coimbra. 'Maud Chettlebourg'. Large scrambling shrub.

238765. BUDDLEIA CORDATA H.B.K. Loganiaceae.

Butterflybush.

Col. No. 3764. Botanical Garden, Coimbra. Shrub to 10 feet.

238766. CESTRUM PURPUREUM (Lindl.) Standl. Solanaceae.

Col. No. 3775. Botanical Garden, Coimbra. Evergreen shrub to 6 feet high; branches arching, shoots downy; flowers reddish-purple, in pendulous clusters; very floriferous.

238767. CYTISUS PENDULINUS L. f. Fabaceae.

Broom.

Col. No. 3781. Mountain side, Serra do Caramulo. Shrub to 10 feet high; branches arching; flowers deep yellow.

238759 to 238784—Continued

238768. *EUPHORBIA CHARACIAS* L. Euphorbiaceae. **Spurge.**

Col. No. 3769. Roadside and in fields near Venda do Brazil, and near Penela, southeast of Condeixa. Much-branched perennial to 3 feet high; stems succulent.

238769. *FICUS GLABELLA* Blume Moraceae. **Fig.**

Col. No. 3772. Botanical Garden, Coimbra. Evergreen tree to 20 feet high; leaves to 5 inches long, coriaceous, lustrous.

238770. *FICUS PUMILA* L.

Col. No. 3759. Botanical Garden, Coimbra. Scrambling shrub, on walls.

238771. *GNIDIA CARINATA* Thumb. Thymelaeaceae.

Col. No. 3757. Botanical Garden, Coimbra. Hardy shrub to 10 feet high; flowers sulphur yellow, very fragrant.

238772. *HIBISCUS ROSA-SINENSIS* L. Malvaceae. **Chinese hibiscus.**

Col. No. 3761. 'Kermesinus'. Tropical greenhouse, Botanical Garden, Coimbra. Shrub to 10 feet high; flowers red, single.

238773. *HIBISCUS LILIFLORUS* Cav.

Col. No. 3760. Greenhouse, Botanical Garden, Coimbra. Evergreen shrub to 6 feet high; flowers scarlet, single.

238774. *IOCHROMA WARSCEWICZII* Regel Solanaceae.

Col. No. 3774. Botanical Garden, Coimbra. Shrub to 6 feet high; flowers pendulous, lavender-violet.

238775. *JASMINUM ODORATISSIMUM* L. Oleaceae.

Col. No. 3762. Botanical Garden, Coimbra. Large shrub; flowers yellow, fragrant.

238776. *MUEHLENBECKIA SAGITTIFOLIA* Meissn. Polygonaceae.

Col. No. 3771. Botanical Garden, Coimbra. Plant vigorous, evergreen scrambler, excellent for a wall or basket.

238777. *NARCISSUS BULBOCODIUM* L. Amaryllidaceae. **Petticoat daffodil.**

Col. No. 3777. Bog 25 miles north of Coimbra. Plant 25 inches high; flowers yellow. (Bulbs.)

238778. *NARCISSUS CALCICOLA* Mend.

Col. No. 3755. Humus pockets in rock crevices, Serra do Sico, near Ramalhaes, west of Pombal. Elevation 1,200 feet. Dwarf type; flowers yellow.

238779. *PARADISEA LUSITANICA* (Cout.) Sampaio Liliaceae.

Col. No. 3780. Moist meadows along streams, Serra do Caramulo. Elevation 2,400. Perennial to 3 feet high with fascicled tuberouslike roots; leaves basal, strap-shaped; flowers white. (Plants.)

238780. *RHODODENDRON PONTICUM* L. Ericaceae. **Pontic rhododendron.**

Col. No. 3782. Along stream, Serra do Caramulo, near Vouzela. Elevation 900 feet.

238781. *SCILLA* sp. Liliaceae.

Col. No. 3754. Serra do Sico, near Ramalhaes, west of Pombal. Bulbous perennial to 8 inches high; flowers lilac (occasionally white.) (Bulbs.)

238782. *SIMETHIS PLANIFOLIA* (Vand.) Gren. & Godr. Liliaceae.

Col. No. 3776. Open pine woods 12 miles north of Coimbra. Plants to 8 inches high; leaves to 4 inches long, narrow; flowers white. (Plants.)

238783. *TEUCRIUM BETONICUM* L'Herit. Menthaceae.

Col. No. 3773. Botanical Garden, Coimbra. Evergreen shrub, flowers blue.

238759 to 238784—Continued

238784. *VIBURNUM SUSPENSUM* Lindl. Caprifoliaceae.

Col. No. 3758. Botanical Garden, Coimbra. Evergreen shrub to 6 feet high; flowers white, fragrant.

238785. *SOLANUM TUBEROSUM* L. Solanaceae.

Potato.

From Argentina. Tubers presented by the Foreign Agriculture Service, Washington, D.C. Received Apr. 11, 1957.

238786 to 238791. *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

From Great Britian. Scions presented by the East Malling Research Station, East Malling, near Maidstone, Kent, England. Received Apr. 12, 1957.

238786. 'Bramley'.

238789. 'Lord Lambourne'.

238787. 'Cox's Orange Pippin'.

238790. 'Sir Isaac Newton'.

238788. 'Laxtons Fortune'.

238791. 'Worcester Pearmain'.

238792. *ORNITHOGALUM ALGERIENSE* Jord. & Fourr. Liliaceae.

From Portugal. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 12, 1957.

Col. No. 3765. Botanical Garden, Coimbra. Apr. 5, 1957. Flowers striped green-white.

238793. *DIOSCOREA COMPOSITA* Hemsl. Dioscoreaceae.

Yam.

From Mexico. Seeds presented by Dr. D. K. Cox, Syntex, S. A., Mexico City. Received Apr. 12, 1957.

Collected at El Girasol, Tierra Blanca, Veracruz.

238794 to 238798. *CITRUS SINENSIS* (L.) Osbeck. Rutaceae.

Sweet orange.

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas. Received Apr. 12, 1957.

238794. 'Cadenera'.

238797. 'Salustiana'.

238795. 'Comuna'.

238798. 'Victoria'.

238796. 'Doble Fina'.

238799 to 238851.

From New Guinea. Plants collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 12, 1957.

238799 to 238807. *SACCHARUM EDULE* Hassk. Poaceae.

Sugarcane.

238799 to 238802. Native garden of Kaisenik near Wau. Mar. 26, 1957.

238799. Col. No. 27. 'Ko-a'. Clone 57 NG 27.

238800. Col. No. 28. 'Ko-a'. Clone 57 NG 28.

238801. Col. No. 29. 'Ko-a'. Clone 57 NG 29.

238802. Col. No. 40. 'Gui-ui'. Clone 57 NG 40.

238803 to 238806. Village of Patep below Bulolo.

238803. Col. No. 45. 'Musiga'. Mar. 28, 1957. Clone 57 NG 45.

238804. Col. No. 46. 'Tubune'. Mar. 28, 1957. Clone 57 NG 46.

238805. Col. No. 47. 'Balende'. Mar. 28, 1957. Clone 57 NG 47.

238806. Col. No. 80. 'Sub-bum'. Apr. 1, 1957. Clone 57 NG 80.

238807. Col. No. 82. 'Gonuba'. Dagua. Clone 57 NG 82. Apr. 2, 1957.

238799 to 238851—Continued

238808 to 238846. *SACCHARUM OFFICINARUM* L. Poaceae. Sugarcane.

238808 to 238821. Native Garden near Nenyamya. Mar. 26, 1957.

238808. Col. No. 26. 'Kung-ga'. Clone 57 NG 26.

238809. Col. No. 30. 'Yo-ru'. Clone 57 NG 30.

238810. Col. No. 31. 'Korayabi'. Clone 57 NG 31.

238811. Col. No. 32. 'Kamayina'. Clone 57 NG 32.

238812. Col. No. 33. 'Tob'. Clone 57 NG 33.

238813. Col. No. 34. 'Kail'. Clone 57 NG 34.

238814. Col. No. 35. 'Wa-Leh'. Clone 57 NG 35.

238815. Col. No. 36. 'Lua-Vi'. Clone 57 NG 36.

238816. Col. No. 37. 'Gangalu'. Clone 57 NG 37.

238817. Col. No. 38. 'Gama-Revi'. Clone 57 NG 38.

238818. Col. No. 41. 'Lousanga'. Clone 57 NG 41.

238819. Col. No. 42. 'Kuaro'. Clone 57 NG 42.

238820. Col. No. 43. 'Yel-uk'. Clone 57 NG 43.

238821. Col. No. 48. 'Ngaia'. Elevation 2,500 feet. Clone 57 NG 48.

238822. Col. No. 57. 'Au'. Gogol River about 18 miles from Madang. Mar. 30, 1957. Clone 57 NG 57.

238823. Col. No. 58. 'Dui'. Wagum Village, on Gogol River. Mar. 30, 1957. Clone 57 NG 58.

238824. Col. No. 59. 'Gum'. Wagum Village. Mar. 30, 1957. Clone 57 NG 59.

238825 to 238829. Madang. Mar. 30, 1957.

238825. Col. No. 60. 'Mal'. Clone 57 NG 60.

238826. Col. No. 61. 'Ma-Mai'. Clone 57 NG 61.

238827. Col. No. 62. 'Dou'. Clone 57 NG 62.

238828. Col. No. 63. 'Karan'. Clone 57 NG 63.

238829. Col. No. 64. 'Waip'. Clone 57 NG 64.

238830 to 238841. Mandi about 10 miles east of Wewak. Apr. 1, 1957.

238830. Col. No. 65. 'Yemben'. Clone 57 NG 65.

238831. Col. No. 66. 'Tu-Ra'. Clone 57 NG 66.

238832. Col. No. 68. 'Deg-Alem'. Clone 57 NG 68.

238833. Col. No. 69. 'Sakansu'. Clone 57 NG 69.

238834. Col. No. 70. 'Supol'. Clone 57 NG 70.

238835. Col. No. 72. 'Vai-Wa'. Clone 57 NG 72.

238836. Col. No. 73. 'Tu-Ra'. Clone 57 NG 73.

238837. Col. No. 74. 'Tu-Ra'. Clone 57 NG 74.

238838. Col. No. 75. 'Mung-Ar'. Clone 57 NG 75.

238839. Col. No. 76. 'Roke'. Clone 57 NG 76.

238840. Col. No. 77. 'Ara-Maia'. Clone 57 NG 77.

238841. Col. No. 78. 'Kenya Pai'. Clone 57 NG 78.

238842 to 238846. Between Lae and Bulolo. Mar. 28, 1957. Elevation 2,500 feet.

238842. Col. No. 49. 'Bo-ba-ga'. Clone 57 NG 49.

238799 to 238851—Continued**238808 to 238846—Continued****238842 to 238846—Continued**

238843. Col. No. 50. 'Ke-tum-bok'. Clone 57 NG 50.

238844. Col. No. 51. 'Keti-ma'. Clone 57 NG 51.

238845. Col. No. 52. 'En-E-ba'. Clone 57 NG 52.

238846. Col. No. 53. 'Tam-Bi'. Clone 57 NG 53.

238847 to 238850. SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae.**Sugarcane.**

238847. Col. No. 44. Snake River near Mumeng, below Bulolo. Mar. 28, 1957. Clone 57 NG 44.

238848. Col. No. 54. Roadside 10 miles north of Madang. Mar. 29, 1957. Clone 57 NG 54.

238849. Col. No. 55. Ten miles north of Madang. Mar. 29, 1957. Clone 57 NG 55.

238850. Col. No. 56. Twenty miles west of Madang. Mar. 30, 1957. Clone 57 NG 56. Exceptionally large.

238851. (Undetermined.)

Col. No. 599. 'Mumeng'. Feb. 28, 1957. Halophyte. Looks like a corn relative.

238852 to 238866.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received Apr. 15, 1957.

238852 to 238854. MICROSTEGIUM SPECTABILE (Trin.) A. Camus Poaceae.

238852. Col. No. 593. Head of airstrip, Wantoat. Mar. 25, 1957. Elevation 3,700 feet.

238853. Col. No. 615. Bulolo. Mar. 26, 1957. Elevation 2,500 feet.

238854. Col. No. 617. Bulolo hillside. Mar. 26, 1957. Elevation 2,350 feet.

238855. MISCANTHUS FLORIDULUS (Labill.) Warb. Poaceae. Silvergrass.

Col. No. 623. Hillside, Edie Creek Road above Wau. Mar. 27, 1957.

238856 to 238863. SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae.**Sugarcane.**

238856. Col. No. 616. Korlta River, Menyamya. Mar. 26, 1957.

238857. Col. No. 626. Along Snake River, 21 miles from Bulolo on road to Lae. Mar. 28, 1957. Elevation 2,000 feet.

238858. Col. No. 627. Along Suala River near Mumeng. Mar. 28, 1957.

238859. Col. No. 629. Bank of Snake River, 21 miles from Bulolo, on road to Lae. Mar. 28, 1957. Elevation 2,000 feet.

238860. Col. No. 631. About 10 miles north of Madang on Bigesa River. Mar. 29, 1957.

238861. Col. No. 632. Along Gun River about 6 miles from Madang. Mar. 30, 1957.

238862. Col. No. 633. Twenty-four miles from Madang.

238863. Col. No. 642. Brandi River about 10 miles east of Wewak. Apr. 1, 1957.

238864 and 238865. SACCHARUM SPONTANEUM L. Poaceae.**Sugarcane.**

238864. Col. No. 586. Fourteen miles from Lae on Yalu River. Mar. 24, 1957.

238852 to 238866—Continued**238864 to 238865—Continued**

238865. Col. No. 587. Between Erap River and Rumu River. Mar. 24, 1957.

238866. *THYSANOLAENA MAXIMA* (Roxb.) Kuntze Poaceae.

Col. No. 614. Bulolo. Mar. 26, 1957. Elevation 2,350 feet.

238867 to 238884.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 15, 1957. Collected Apr. 1 to 5, 1957.

238867. *ANTHURIUM DIGITATUM* G. Don Araceae.

Col. No. 3744. Greenhouse, Botanical Garden, Coimbra. A handsome foliage species; leaves deep green, lustrous, leathery, digitately divided, to 8 inches wide; petioles to 3 feet long.

238868. *APOLLONIAS CANARIENSIS* Nees Lauraceae.

Col. No. 3750. Botanical Garden, Coimbra. Handsome evergreen tree to 20 feet high, much-branched and forming a round crown; leaves to 5 inches long, aromatic.

238869. *BENCOMIA CAUDATA* Webb & Berth. Rosaceae.

Col. No. 3749. Botanical Garden, Coimbra. Small shrub.

238870. *CAMELLIA JAPONICA* L. Theaceae.

Common camellia.

Col. No. 3740. Palace Hotel garden, Bussaco, northeast of Coimbra. Leaves very dark green, unusually thick; flowers formal, pure white; very floriferous.

238871. *DRYANDRA* sp. Proteaceae.

Col. No. 3735. Moreira da Silva Nursery, Porto. Small evergreen tree; leaves green above, white below.

238872. *GREWIA POPULIFOLIA* Vahl Tiliaceae.

Col. No. 3752. Botanical Garden, Coimbra. Evergreen tree to 20 feet high.

238873. *HALLERIA LUCIDA* L. Scrophulariaceae.

Col. No. 3748. Botanical Garden, Coimbra. Shrub to 10 feet high; flowers tubular, reddish-yellow.

238874. *HEBANTHE PANICULATA* (Moq.) Benth. & Hook. Amaranthaceae.

Col. No. 3746. Botanical Garden, Coimbra. Vigorous climber; flowers whitish.

238875. *KOHLERIA AMABILIS* (Planch. & Lind.) Fritsch Gesneriaceae.

Col. No. 3742. Botanical Garden, Coimbra. Perennial; leaves hairy, large, red-speckled; flowers pouchlike. 'Longwood'.

238876. *ADHATODA VASICA* Nees Acanthaceae.

Col. No. 3751. Botanical Garden, Coimbra. Shrub to 8 feet high; flowers white.

238877 and 238878. *NARCISSUS BULBOCODIUM* L. Amaryllidaceae.

Petticoat daffodil.

238877. Col. No. 3739. Grassy meadows along Penacova-Liso road, 12 miles from Coimbra. A hexaploid form, nearly 1 foot high. (Bulbs.)

238878. Col. No. 3739. (Seeds of 238877.)

238867 to 238884—Continued

238879 and 238880. *NARCISSUS TRIANDRUS* var. *CONCOLOR* (Haw.) Bak.

238879. Col. No. 3738. Between Mizarela and Caneiro 6 mi. from Coimbra. (Seeds.)

238880. Bulbs of 238879.

238881. *PEPEROMIA VERTICILLATA* A. Dietr. Piperaceae.

Col. No. 3743. Greenhouse, Botanical Garden, Coimbra. Succulent plant to 10 inches high; leaves whorled.

238882. *PHAEDRANTHUS BUCCINATORIUS* (Maire) Miers Bignoniaceae.

Col. No. 3745. Botanical Garden, Coimbra. Rank, woody climber; flowers to 3 inches long, trumpet-shaped, orange-red.

238883. *SCHEFFLERA VENULOSA* (Wight & Arn.) Harms Araliaceae.

Col. No. 3753. Botanical Garden, Coimbra. Large evergreen shrub; leaves lustrous, handsome.

238884. *SOPHORA JAPONICA* L. Fabaceae.

Chinese scholar tree.

Col. No. 3741. 'Pendula'. Palace Hotel garden, Bussaco.

238885 and 238886. *LOLIUM MULTIFLORUM* Lam. Poaceae.

Italian ryegrass.

From France. Seeds presented by the Station Centrale de Genetique et d'Amelioration des Plantes, Versailles. Received Apr. 15, 1957.

238885. 'Rina'.

238886. 'Rita'.

238887 to 238911.

From Mexico. Seeds collected by H. S. Gentry and E. P. Imle, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 15, 1957.

238887. *AGAVE* sp. Amaryllidaceae.

Col. No. 16433. By Rio Chiapa, along road to Cupia, Chiapas.

Mar. 21, 1957. Yellow-green rosettes.

238888. *AMPHILOPHIUM PANICULATUM* (L.) H.B.K. Bignoniaceae.

Col. No. 60. Sierra Sumiders, above Tuxtla Gutierrez, Chiapas. Mar. 17, 1957.

238889. *BIGNONIA* sp. Bignoniaceae.

Col. No. 63. Bejuco de Aio, near Ejido Grivalja, Chiapas. Mar. 17, 1957. Vine; flowers pale pink-blue.

238890. *DESMODIUM DISTORTUM* (Aubl.) Macbr. Fabaceae. Beggarweed.

Col. No. 16410. North of Villa Flores, Arkoze. Mar. 20, 1957.

238891. *DESMODIUM CINERASCENS* Gray

Beggarweed.

Col. No. 16418. Arroyo de San Andres along road to Villa Flores. Mar. 20, 1957. Virgate shrub to 6 feet high.

238892. *DESMODIUM* sp.

Col. No. 61. Sierra Simidera above Tuxtla Gutierrez, Chiapas. Mar. 17, 1957. Plant leafless but bearing large tufts of seeds at ends of branches.

238893 to 238903. *DIOSCOREA SPICULIFLORA* Hemsl. Dioscoreaceae. Yam.

238893. Col. No. 56B. Barbasco, above Tuxtla Gutierrez, road to Canon del Sumidero.

238894. Col. No. 16399. Barbasco Blanco, Colonio Grijalva near Chiapas. Mar. 16, 1957. Elevation 2,400 feet.

238887 to 238911—Continued**238893 to 238903—Continued**

- 238895.** Col. No. 16400. Colonia Grijalva near Chiapa, Chiapas. Mar. 16, 1957. Elevation 2,400 feet.
- 238896.** Col. No. 16408. East of Cardenez along road to Villa Flores, Chiapas. Mar. 19, 1957.
- 238897.** Col. No. 16414. Rancho Reforma, near Villa Flores. Mar. 19, 1957.
- 238898.** Col. No. 16417. Along road from Villa Flores to Cardenez, Arkose.
- 238899.** Col. No. 16419. Cardenez along road to Villa Flores. Mar. 20, 1957.
- 238900.** Col. No. 16420. Cardenez near Villa Flores, Chiapas. Mar. 20, 1957.
- 238901.** Col. No. 16421. Three miles east of Cardenez, near Villa Flores, Chiapas. Mar. 20, 1957.
- 238902.** Col. No. 16427. Three miles east of Cardenez, near Villa Flores, Chiapas. Mar. 20, 1957.
- 238903.** Col. No. 16432. Near Rio Chiapa, along road to Cupia, Chiapas. Mar. 21, 1957.

238904. DIOSCOREA sp.

Col. No. 58. Above Tuxtla Gutierrez, Chiapas. Mar. 17, 1957.

238905. DIOSCOREA sp.

Col. No. 59. Near overlook above Tuxtla Gutierrez, Chiapas. Mar. 17, 1957.

238906. DIOSCOREA sp.

Col. No. 16401. Colonio Grijalva near Chiapa, Chiapas. Mar. 20, 1957.

238907. DIOSCOREA sp.

Col. No. 16409. Villa Flores, Chiapas. Mar. 20, 1957.

238908. JACQUINIA sp. Theophrastaceae.

Col. No. 16422. East of Cardenez, along road to Villa Flores, Chiapas. Mar. 20, 1957. Shrub; leaves dark-green; fruits orange.

238909. CAPSICUM STRAMONIFOLIUM (H. B. K.) Standl. Solanaceae.

Col. No. 16430. Between Villa Flores and Cardenez, Chiapas. Mar. 20, 1957. Shrub; stems green.

238910. MIMOSA sp. Mimosaceae.

Col. No. 16411. North of Villa Flores, Chiapas. Virgate perennial.

238911. SOLANUM SEAFORTHIANUM Andrews Solanaceae.

Col. No. 16449. Tierra Blanca, Vera Cruz. Mar. 24, 1957. Perennial, scandent, ornamental; flowers white.

238912 and 238913.

From the Gold Coast. Seeds presented by E. A. Menninger, Stuart, Fla. Received Apr. 15, 1957.

Collected at Kumasi.

238912. BAUHINIA sp. Caesalpiniaceae.**238913. PENTACLETHRA MACROPHYLLA (Vidal) Merr. & Rolfe Mimosaceae.**

238914 to 238918. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Hungary. Seeds presented by Dr. Andor Janossy, Novenyfajtakistrleti Intezet, Budapest. Received Apr. 15, 1957.

238914. 'Bankuti Oshonos' III.-II.-6.

238915. 'Hegyalui Tajfajta' III.-II.-1. ,

238916. 'Keszthelyi Oshonos, III.-II.-7.

238917. 'Nagyszenasi Oshonos' III.-II.-3.

238918. 'Szarvasi Oshonos' III.-II.-5.

238919. AGAVE LECHEGUILLA Torr. Amaryllidaceae.

From the United States. Plant presented by Barton H. Warnock, Sul Ross State College, Alpine, Texas. Received Apr. 15, 1957.

238920 to 238925. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Czechoslovakia. Seed presented by the Genetic Station, Prague. Received Apr. 15, 1957.

238920. 'Brillmayerova Giesenska'.

238921. 'Dieckman Black'.

238922. 'Dornburger Weisbluhende'.

238923. 'Giesenska Early Yellow'.

238924. 'Kirches Stamm 2008'.

238925. 'Roudnicka Black'.

238926 to 238933. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seeds presented by the National Hygienic Laboratory, Tamagawayogamchi, Setagaya-ku, Tokyo. Received Apr. 15, 1957.

238926. 'Bikuni'. Susceptible.

238927. 'Isemame'. Resistant.

238928. 'Kanto No. 21'. Resistant.

238929. 'Karihatakiya'. Susceptible.

238930. 'Shatukinnashi'. Resistant.

238931. 'Shinhonen'. Resistant.

238932. 'Torinagane'. Susceptible.

238933. 'Yonryuki'. Resistant.

238934 to 238936.

From Morocco. Seeds presented by the Ministere d l'Agriculture, Service de l'Horticulture, Rabat. Received Apr. 14, 1957.

238934. *SENECIO CINERARIA* DC. Asteraceae.

Groundsel.

238935. *PSIDIUM* sp. Myrtaceae.

238936. *STRELITZIA ALBA* (L.f.) Skeels Musaceae.

238937 to 238939.

From New Zealand. Seeds presented by the Department of Scientific and Industrial Research, Palmerston. Received Apr. 15, 1957.

238937. *LOLIUM MULTIFLORUM* Lam. Poaceae.

Italian ryegrass.

'N.Z. Bb 429'.

238938. *LOLIUM PERENNE* L.

Perennial ryegrass.

'N.Z. Ba 104'.

238939. *LOLIUM MULTIFLORUM* Lam.

Italian ryegrass.

'N.Z. Cg 110'.

238940 to 238945.

From Great Britain. Seeds presented by F. R. Irvine, Tavistock Square, London, England. Received Apr. 15, 1957.

Originally from northern Nigeria.

238940. *CERATOTHECA SESAMOIDES* Endl. Pedaliaceae.

238941 to 238945. *VOANDZEIA SUBTERRANEA* (L.) Thouars Fabaceae.

238941. 'Bambara Purple'. Grown at Ibadan.

238942. L 809.

238943. L 912.

238944. 'L 1001 Montol'. From Langtang.

238945. 'L 1091 Gurjiya'. Purple and cream.

238946 to 238956.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 16, 1957. Collected Apr. 5 to 9, 1957.

238946. *BRUNSVIGIA ROSEA* (Lam.) Hannibal Amaryllidaceae.

Col. No. 3778. Near Vouzla, Serra do Caramulo. Moist woodland. (Bulbs.)

238947. *BEGONIA MAXIMA* Klotzsch Begoniaceae.

Col. No. 3786. Estufa Fria, Lisbon. Stems deeply angled. (Cuttings.)

238948. *DOMBEYA BURGESSIAE* Gerr. Sterculiaceae.

Col. No. 3788. Jardim Coloniale, Lisbon. Subtropical evergreen shrub to 12 inches high; leaves to eight inches wide, hairy; flowers pink, long-peduncled, terminal, pendulous clusters. (Cuttings.)

238949. *ERYTHRINA CORALLODENDRUM* L. Fabaceae.

Coral tree.

Col. No. 3791. Museo Agricola do Ultramar, Belem, Lisbon. Tree to 20, feet high; old branches unarmed, new ones spiny; flowers scarlet, terminal on the ends of leafless branches. (Plants.)

238950. *FICUS MAGNOLIODES* Borzi Moraceae.

Fig.

Col. No. 3789. Jardim Coloniale, Lisbon. Evergreen tree to 60 feet high, stilt-roots; leaves to eight inches long, lustrous, deep green. Ornamental (Cuttings.)

238951. *GENISTELLA TRIDENTATA* (L.) Sampaio Fabaceae.

Col. No. 3783. Serra do Caramulo. Shrub; flowers deep yellow. (Plant and cuttings.)

238952. *IRIS ALATA* Poir. Iridaceae.

Scorpion iris.

Col. No. 3784. Near Venda do Brasil, southeast of Condeixa. Limestone slopes. (Corms.)

238953. *IRIS BIFLORA* L.

Col. No. 3785. Open stony slopes in limestone region, near Venda do Brasil, southeast of Condeixa. Plant 6 inches high; flowers blue to violet-purple.

238954. *IRIS SISYRINCHIUM* L.

Moraea iris.

Col. No. 3756. Near Venda do Brasil, southeast of Condeixa. Flowers deep blue. (Corms.)

238955. *OREOPANAX CAPITATUM* Decne. & Planch. Araliaceae.

Col. No. 3787. Jardim Coloniale, Lisbon. Evergreen tree to 25 feet high; crown spreading; leaves to 8 inches long, deep green, lustrous. Reputedly kills bees attempting to pollinate the flowers.

238956. *PODOCARPUS MANMII* Hook. f. Taxaceae.

Col. No. 3790. Jardim Coloniale, Lisbon. Evergreen tree. (Cuttings.)

238957 to 238969. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From Japan. Seeds presented by Anderson, Clayton & Company Agency, Osaka.
Received Apr. 16, 1957.

- | | |
|----------------------------|----------------------------|
| 238957. 'Adona'. | 238964. 'Kings Improved'. |
| 238958. 'Cook (or Coker)'. | 238965. 'Matsumura No. 1'. |
| 238959. 'Filestani'. | 238966. 'Matsumura No. 2'. |
| 238960. 'Guatemala'. | 238967. 'Matsumura No. 3'. |
| 238961. 'Izmir'. | 238968. 'Mozambique'. |
| 238962. 'Kanno No. 1'. | 238969. 'Nicaragua'. |
| 238963. 'Kanno No. 17'. | |

238970. NICOTIANA ACAULIS Speg. Solanaceae. Tobacco.

From Argentina. Seeds presented by the Estacion Experimentale Balcarce,
Buenos Aires. Received Apr. 16, 1957.

238971. GOSSYPIUM sp. Malvaceae.

From Great Britain. Seed presented by the Empire Cotton Growing Corporation,
London, England. Received Apr. 16, 1957.

Collected in Central Tanganyika.

238972 to 238973.

From Portugal. Roots collected by F. G. Meyer, agricultural explorer, Plant
Introduction Section, Crops Research Division, Beltsville, Md. Received
Apr. 16, 1957.

Botanic Garden, Coimbra.

238972. *RANUNCULUS ASIATICUS* L. Ranunculaceae.
238973. *RANUNCULUS CICARIA* L.

238974. LARIX × EUROLEPIS Henry Pinaceae. Dunkeld larch.

From Austria. Seeds presented by Julius Stainer, Klenganstalten, Vienna.
Received Apr. 16, 1957.

238975 to 238979. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

From Kenya. Roots presented by the Grassland Research Station, Department
of Agriculture, Kitale. Received Apr. 16, 1957.

- | | |
|------------------|------------------|
| 238975. K 5928. | 238978. K 53647. |
| 238976. K 51424. | 238979. K 53672. |
| 238977. K 51426. | |

238980 and 238981. PINUS KORAIENSIS Sieb. & Zucc. Pinaceae. Korean pine.

From Japan. Seed presented by the Foreign Agricultural Service, Washington,
D.C.

238980. No. 110. Hokkaido Prefecture.
238981. Precincts of Genshoji Temple, Kitayama, Iwate Prefecture.

238982 to 238987.

From the Netherlands. Seeds presented by J. van Gilst, Vogelenzang, Randi-
vick. Received Apr. 17, 1957.

238982. *AVENA SATIVA* L. Poaceae. Common oats.

238982 to 238987—Continued

238983. *BETA VULGARIS* L. Chenopodiaceae. Beet.
 238984. *BRASSICA OLERACEA* var. *GONGYLODES* L. Brassicaceae. Kohlrabi.
 238985. *LUPINUS LUTEUS* L. Fabaceae. European yellow lupine.
 238986. *PHLEUM PRATENSE* L. Poaceae. Timothy.
 238987. *POA TRIVIALIS* L. Poaceae. Roughstalk bluegrass.

238988 to 239001. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.

From Greece. Seeds presented by the Hellenic Agricultural Research Station, Larissa. Received Apr. 17, 1957.

238988. M.4317. Rhodes.
 238989. M.4363. Paros.
 238990. M.4602. Palamas-Karditsas.
 238991. M.4614. Atalanti-Phthiotidos.
 238992. M.4615. Samos.
 238993. M.4616. Agrinion.
 238994. M.4617. Kythnos.
 238995. M.4619. Gastouni.
 238996. M.4621. Aetolia.
 238997. M.4637. Messini-Peloponnissos.
 238998. M.5353. Agrinion.
 238999. M.5354. Lamia.
 239000. M.5571. Elassona-Larissa.
 239001. M.5597. Rhodes.

239002 and 239003. *GOSSYPIUM* (hybrids). Malvaceae. Cotton.

From France. Seeds presented by the Institut de Recherches du Coton, Paris. Received Apr. 17, 1957.

239002. 'Allen 58-151'.
 239003. 'Soumbe A 2589'.

239004 to 239018.

From India. Bulbs presented by the National Botanic Gardens. Lucknow. Received Apr. 19, 1957.

239004. *HABRANTHUS ROBUSTUS* Herbert. Amaryllidaceae.
 239005. *ZEPHYRANTHES CITRINA* Baker Amaryllidaceae. Zephyrlily.
 239006 to 239018. *ZEPHYRANTHES* (hybrids). Zephyrlily.
- | | |
|-----------------|-----------------|
| 239006. No. 2. | 239013. No. 26. |
| 239007. No. 3. | 239014. No. 31. |
| 239008. No. 4. | 239015. No. 39. |
| 239009. No. 8. | 239016. No. 42. |
| 239010. No. 14. | 239017. No. 71. |
| 239011. No. 16. | 239018. No. 77. |
| 239012. No. 22. | |

239019 to 239030. FRAGARIA VESCA L. Rosaceae.**European strawberry.**

From Germany. Plants presented by the Institut fur Gartenbau, Dresden-Pillnitz. Received Apr. 19, 1957.

239019. 'Aprikose'.

239026. 'Prinz Julius Ernst'.

239020. 'Johannes Muller'.

239027. 'Roter Elefant'.

239021. 'Laxton's Nobel'.

239028. 'Sharpless'.

239022. 'Lucida Perfecta'.

239029. 'Verbesserte Lucida Perfecta'.

239023. 'Luise'.

239024. 'Mieze Schindler'.

239030. 'Wunder von Kothen'.

239025. 'Panther'.

239031. CINNAMOMUM CASSIA Blume Lauraceae. Cassiabark-tree.

From Hong Kong. Seeds presented by the Department of Agriculture, Fisheries and Forestry, Laichikok, Kowloon. Received Apr. 19, 1957.

Grown at Castle Peak.

239032. ZEA MAYS L. Poaceae.**Corn.**

From Turkey. Seeds presented by the Tohum Islah Istasyonu, Samsun. Received Apr. 19, 1957.

Grown at the Experiment Station of Eskisehir. Yellow flint type; open-pollinated.

239033 and 239034,

From Israel. Seeds presented by the Forest Research Institute, Ilanath. Received Apr. 19, 1957.

239033. ACACIA RADDIANA Savi Mimosaceae.

239034. ACACIA SPIROCARPA Hochst.

239035. HYMENOCALLIS AMANCAES (Ruiz. & Pav.) Nichols. Amaryllidaceae. Spiderlily.

From Peru. Bulbs presented by E. E. Smith, Lomas de Atocongo, near Lima. Received Apr. 22, 1957.

239036. ALLIUM CHAMOEMOLY L. Liliaceae.

From Italy. Bulbs presented by the Instituto di Patologia Vegetale e Microbiologia Agraria e Technica, Catania. Received Apr. 22, 1957.

239037 to 239056.

From Morocco. Seeds presented by the Centre de Recherches Agronomiques, Rabat. Received Apr. 22, 1957.

239037 to 239040. ARACHIS HYPOGAEA L. Fabaceae.

Peanut.

239037. 'Cote d'Ivoire-236'. Originally from the Ivory Coast.

239038. 'De Bombay'. Originally from Bombay, India.

239039. 'Koulikono'.

239040. 'Sakaria'.

239041 to 239043. CARTHAMUS TINCTORIUS L. Asteraceae.

Safflower.

239041. C.R.A.

239042. C5-51.

239043. C3-23.

239037 to 239056—Continued**239044 to 239055.** *LINUM USITATISSIMUM* L. Linaceae. **Common flax.****239044.** No. 10. **239050.** No. L.G. 0189 B.**239045.** No. 11. **239051.** No. L.G. 0195-4.**239046.** No. 129. **239052.** No. 1015.**239047.** No. 205. **239053.** No. 1048.**239048.** No. 547. **239054.** No. 1049.**239049.** No. 549. **239055.** No. 1051.**239056.** *PHASEOLUS ACUTIFOLIUS* var. *LATIFOLIUS* G. F. Freeman Fabaceae.
Tepary bean.**239057 to 239071.**

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 23, 1957. Collected Apr. 10 to 14, 1957.

239057. *GENISTA CINEREA* DC. Favaceae.

Col. No. 3802. Along open, rocky slopes, Mediterranean Coast, west of Motril, Malaga. (Cuttings.)

239058. *GLADIOLUS ILLYRICUS* Koch Iridaceae.

Col. No. 3796. Dry, rocky, south facing slopes, 12 miles southwest of Seville. Plant to 14 inches high; flowers rose-red. (Bulbs.)

239059. *HEDERA HELIX* L. Araliaceae.**English ivy.**

Col. No. 3795. Nursery of Viversa Andres, Seville. Plant extremely vigorous; young leaves large. (Cuttings.)

239060. *IRIS SISYRINCHIUM* L. Iridaceae.**Moraea iris.**

Col. No. 3797. Southeast of Seville. (Bulbs.)

239061 and 239062. *NARCISSUS BULBOCODIUM* L. Amaryllidaceae.**Petticoat daffodil.****239061.** Col. No. 3794. Wet swale on open hill slopes near Val de Flores, 35 miles north of Seville. Plant to 8 inches high. (Bulbs.)**239062.** Col. No. 3794. Seeds of 239061.**239063.** *NARCISSUS JONQUILLA* L.

Col. No. 3792. Among stones and sand along banks of Rio Guardiana near Serpa. Flowers yellow; leaves grasslike. (Bulbs.)

239064. *NERIUM OLEANDER* L. Apocynaceae.**Oleander.**

Col. No. 3805. Open rocky hillsides and in canyons along Mediterranean coast at Motril, Province Granada. Evergreen shrub to 8 feet high; flowers deep pink. Wild form. (Cuttings.)

239065. *PAEONIA OFFICINALIS* L. Ranunculaceae.**Peony.**

Col. No. 3793. Woods in stony red soil, Sierra Aracena, about 1.5 miles west of Aracena. Perennial to 2 feet high; flowers pink, 4 inches across. (Plants.)

239066. *CNEORUM TRICOCCON* L. Cneoraceae.

Col. No. 3804. Along Mediterranean Coast west of Motril, Province Malaga. Evergreen shrub; flowers yellow.

239067. *TEUCRIUM* sp. Menthaceae.

Col. No. 3798. Southeast of Seville along road N. 334. Stiff erect shrub to 14 inches high; leaves aromatic, dimorphic.

239068. *ODONTOSPERMUM MARITIMUM* Sch.-Bip. Asteraceae.

Col. No. 3799. East of Malaga along road following Mediterranean Sea. Plant mostly decumbent; flowers yellow. (Cuttings.)

239057 to 239071—Continued

239069. *ONONIS SPECIOSA* Lag. Fabaceae.

Col. No. 3800. West of Motril, Province of Malaga. Shrub densely branched; flowers lemon yellow. (Cuttings.)

239070. *TEUCRIUM POLIUM* L. Menthaceae.

Col. No. 3801. Along Mediterranean Coast east of Malaga. Erect aromatic perennial; flowers small, white. (Cuttings.)

239071. *GENISTA EQUISETIFORMIS* Spach Fabaceae.

Col. No. 3803. Along rocky slopes of Mediterranean Coast west of Motril. Plant densely branched; stems gray-green; flowers chartruese. (Cuttings.)

239072. *ORYZA SATIVA* L. Poaceae.

Rice.

From the Union of South Africa. Seeds presented by the Agricultural Attache, American Embassy, Pretoria. Received Apr. 23, 1957.

'Dalerue Indian 4'.

239073 and 239074. *ORYZA SATIVA* L. Poaceae.

Rice.

From Japan. Seeds developed and presented by the National Institute of Agricultural Sciences, Nishigahara, Kita-ku, Tokyo. Received Apr. 23, 1957.

Hirat-suka, Kanagawa.

239073. 'Rei-shi-ko'.

239074. 'To-to'.

239075. *ORYZA SATIVA* L. Poaceae.

Rice.

From Ceylon. Seeds presented by the Senior Agricultural Research Officer, Peradeniya. Received Apr. 23, 1957.

'Murunga-307'.

239076 to 239082.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received Apr. 24, 1957.

239076. *BOEHMERIA BILOBA* Wedd. Urticaceae.

Col. No. 3813. Botanical Garden, Madrid. Apr. 18, 1957. Coarse perennial to 30 inches high; leaves to 6 inches long, bright green, roughened, often 2 to 3 lobed. (Cuttings.)

239077. *CENISTA CINEREA* DC. Fabaceae.

Col. No. 3808. Road to Jaen. Apr. 17, 1957. Densely branched plant to 4 feet high; flowers deep yellow. (Plant.)

239078. *CYTISUS SCOPARIUS* (L.) Link

Scotch broom.

Col. No. 3809. Along river bank, 6 miles north of Jaen. Much-branched shrub to 3 feet high; flowers deep yellow. (Plant.)

239079. *FRAXINUS EXCELSIOR* L. Oleaceae.

European ash.

Col. No. 3807. 'Pendula'. Jardim de l'île Aranjuez, Madrid. Apr. 17, 1957. Deciduous tree; branches pendulous. (Scions.)

239080. *JUNIPERUS OXYCEDRUS* L. Pinaceae.

Prickly juniper.

Col. No. 3811. Among granite boulders near El Escorial, Province Madrid. Apr. 18, 1957. Tree to 30 feet high. (Seeds.)

239081. *JUNIPERUS SABINA* L.

Savin juniper.

Col. No. 3806. Open rocky mountain slopes, Sierra Nevada Mountains. Elevation 6,000 feet. Apr. 15, 1957. Prostrate shrub to 14 inches high; branches spreading. (Cuttings.)

239076 to 239082—Continued

239082. NARCISSUS TRIANDRUS L. Amaryllidaceae.

Col. No. 3810. North-facing slopes in decomposed granitic soil near El Escorial, Province Madrid. Apr. 18, 1957. Low-growing plant, to 6 inches high; flowers creamy-white. Dwarf form. (Bulbs.)

239083 to 239093. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Germany. Seeds presented by the Agricultural Attache, American Embassy, Bonn-Bad Godesberg. Received Apr. 24, 1957.

- | | |
|---|--|
| 239083. 'Carsten V'. | 239089. 'Rimpaus Braunweizen'. |
| 239084. 'Ebersbacher Weissweizen'. | 239090. 'Salzmunder Standart'. |
| 239085. 'Heines II'. | 239091. 'Strubes Fruhweizen'. |
| 239086. 'Heines IV Winterweizen'. | 239092. 'Strubes General'. |
| 239087. 'Mahndorfer Tempo'. | 239093. 'Svalofs Kronenweizen'. |
| 239088. 'Rimpaus Bastard II'. | |

239094 to 239098. SACCHARUM (hybrids). Poaceae. Sugarcane.

From British West Indies. Cuttings presented by the Director of Agriculture, Bridgetown, Barbados. Received Apr. 24, 1957.

- | | |
|------------------------|------------------------|
| 239094. B4788. | 239097. B49119. |
| 239095. B47258. | 239098. B50112. |
| 239096. B47419. | |

239099 to 239117. ZEA MAYS L. Poaceae.**Corn.**

From Yugoslavia. Seeds presented by the Institute for Plant Breeding and Plant Production, Zemum. Received Apr. 24, 1957.

- 239099.** 'Beljiki Zlatni Zuban'.
- 239100.** 'Bosanac Lijenac'.
- 239101.** 'Bosanac Zutao'.
- 239102.** 'Brzak Osjek'.
- 239103.** 'Dolenska Hitrica'.
- 239104.** 'Krizevacki Osmak'.
- 239105.** 'Ladjevac'.
- 239106.** 'Maksikirski Zlatni Zuban'.
- 239107.** 'Milicevicev'.
- 239108.** 'Novosadski Beli Zuban'.
- 239109.** 'Osmak Oroatica'.
- 239110.** 'Rumena Bohinjka'.
- 239111.** 'Rumski Ziayni Uban'.
- 239112.** 'Sirokozrni Osmak-Istra'.
- 239113.** 'Staklasti Sirokozrni Osmak'.
- 239114.** 'Staklenac Zuti'.
- 239115.** 'Viseredni Timocki Beli Tvrdunac'.
- 239116.** 'Viseredni Timocki Zuti Tvrdunac'.
- 239117.** 'Vukovarski Zuban'.

239118. SORGHUM VULGARE Pers. Poaceae.

From the Philippines. Seeds presented by H. R. Espino, Cadiz, Negros Occidental. Received Apr. 24, 1957.

Grown at Victorias.

239119. NICOTIANA SPEGAZZINII Millan Solanaceae. Tobacco.

From Argentina. Seeds presented by the Estacion Experimental, Balcarce-Peia Buenos Aires. Received Apr. 24, 1957.

239120 to 239151.

From Ecuador. Plants presented by Jose Strobel, Cuenca. Received Apr. 26, 1957.

239120 and 239121. CATTLEYA MAXIMA Lindl. Orchidaceae.

239120. No. 9.

239121. No. 34.

239122. COCHLIODA ROSEA (Lindl.) Benth. & Hook. Orchidaceae. No. 8.**239123. EPIDENDRUM BRACHYPHYLLUM Lindl. Orchidaceae. No. 1.****239124. EPIDENDRUM sp.**

No. 1a.

239125. EPIDENDRUM sp.

No. 2.

239126. EPIDENDRUM sp.

No. 4.

239127. EPIDENDRUM sp.

No. 5.

239128. EPIDENDRUM SERPENS Lindl.

No. 6.

239129. KEFERSTEINIA TOLIMENSIS Schltr. Orchidaceae.

No. 19.

239130. LYCASTE DENNINGIANA Reichb. f. Orchidaceae.

No. 11.

239131. LYCASTE GIGANTEA Lindl.

No. 10.

239132. LYCASTE XYTRIOPHORA Linden & Reichb. f.

No. 12.

239133. LYCASTE sp.

No. 13. Flowers pure white.

239134. MASDEVALLIA ROSEA Lindl. Orchidaceae.

No. 18.

239135. MAXILLARIA GRANDIFLORA Lindl. Orchidaceae.

No. 15.

239136. MAXILLARIA NIGRESCENS Lindl.

No. 17.

239137. MAXILLARIA SANDERIANA Reichb. f.

No. 14.

239138. MAXILLARIA sp.

No. 16.

239120 to 239151—Continued

- 239139.** *ODONTOGLOSSUM CIRRHOSUM* Lindl. Orchidaceae.
No. 27.
- 239140.** *ONCIDIUM AUREUM* Lindl. Orchidaceae.
No. 26.
- 239141.** *ONCIDIUM FALLENS* Reichb. f.
No. 25.
- 239142.** *ONCIDIUM MACRANTHUM* Lindl.
No. 22. 'Splendens'.
- 239143.** *ONCIDIUM MACRANTHUM* var. *WILLIAMSIANUM* Reichb. f.
No. 23.
- 239144.** *PORPHYROSTACHIS PILIFERA* (H.B.K.) Reichb. f. Orchidaceae.
No. 21.
- 239145.** *STANHOPEA TRICORNIS* Lindl. Orchidaceae.
No. 28.
- 239146.** *TRICHOPILIA FRAGRANS* (Lindl. Reichb. f. Orchidaceae.
No. 30.
- 239147.** *TRICHOPILIA* sp.
No. 33.
- 239148.** (Undetermined.) Orchidaceae.
No. 31.
- 239149.** (Undetermined.) Orchidaceae.
No. 35.
- 239150.** (Undetermined.) Orchidaceae.
No. 36.
- 239151.** (Undetermined.) Orchidaceae.

239152 to 239211.

From New Guinea and Australia. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Apr. 26, 1957.

Collected in New Guinea unless otherwise stated, Mar., 1957.

239152 and 239153. *BOTHRIODCHLOA DECIPIENS* (Hack.) C. E. Hubb. Poaceae.

239152. Col. No. 507. Edge of airport, Ayr, Queensland, Australia.

239153. Col. No. 518. Roadside at Halifax, Near Ingham, Queensland, Australia.

239154. *DICHANTHIUM SERICEUM* (R.Br.) A. Camus Poaceae.

Col. No. 527. Hillside near Port Moresby.

239155. *SEHIMA NERVOSUM* (Rottb.) Stapf Poaceae.

Col. No. 529. Hillside near Port Moresby.

239156. *ANDROPOGON* sp. Poaceae.

Col. No. 533. Roadside near Port Moresby.

239157. *CYMBOPOGON PROCERUS* (R.Br.) A. Camus Poaceae.

Col. No. 534. Hillside near Port Moresby.

239158. *ANDROPOGON* sp. Poaceae.

Col. No. 536. Roadside about 10 miles north of Port Moresby.

239152 to 239211—Continued

239159. *DICHANTHIUM SERICEUM* (R.Br.) A. Camus Poaceae.

Col. No. 547. Roadside about 2 miles from Ronna Falls. Plant about 1 foot high.

239160. *ANDROPOGON* Sp. Poaceae.

Col. No. 577. Garaina Airstrip, Morobe District.

239161. *CAPILLIPEDIUM SPICIGERUM* S. T. Blake Poaceae.

Col. No. 522. Roadside near Cairns, Queensland, Australia.

239162 and 239163. *BOTHRIODCHLOA DECIPIENS* C. E. Hubb. Poaceae.

239162. Col. No. 538. Near Laloki River, about 10 miles from Port Moresby.

239163. Col. No. 541. Roadside near Brown River.

239164 to 239167. *BOTHRIODCHLOA INTERMEDIA* (R.Br.) A. Camus.

239164. Col. No. 506. Edge of Airport, Ayr, Queensland, Australia.

239165. Col. No. 513. Roadside at Lawncroft, near Ingham, Queensland, Australia.

239166. Col. No. 535. Roadside near Port Moresby.

239167. Col. No. 560. Roadside near Lae.

239168. *CAPILLIPEDIUM PARVIFLORUM* (R.Br.) Stapf Poaceae.

Col. No. 575. Garaina Airstrip, Morobe District.

239169. *CHRYSOPOGON ACICULATUS* (Retz.) Trin. Poaceae.

Col. No. 511. Johnson River, lawn near Ingham, Queensland, Australia. Seeded grass.

239170 and 239171. *VETIVERIA FILIPES* (Benth.) C. E. Hubb. Poaceae.

239170. Col. No. 514. Sandy edge of Gowrie Creek at Abergowrie near Ingham, Queensland, Australia.

239171. Col. No. 521. Edge of Mulgrave River near Cairns, Queensland, Australia.

239172. *COIX LACRYMA-JOBI* L. Poaceae.

Jobs-tears.

Col. No. 580. Near Bubu River, Garaina, Morobe District.

239173. *DANTHONIA* sp. Poaceae.

Col. No. 528. Hillside near Port Moresby.

239174. *DANTHONIA* sp.

Col. No. 550. Hillside above Rosena Falls.

239175. *EULALIA TRISPICATA* (Schult.) Hern. Poaceae.

Col. No. 576. Garaina Airstrip, Morobe District.

239176. *HETEROPOGON* sp. Poaceae.

Col. No. 509. Edge of Ayr Airport, Queensland, Australia.

239177. *IMPERATA CYLINDRICA* (L.) Beauv. Poaceae.

Cogongrass.

Col. No. 519. Ripple Creek near Bemarside, Ingham, Queensland, Australia.

239178 to 239181. *IMPERATA EXALTATA* (Roxb.) Brongn. Poaceae.

239178. Col. No. 532. Roadside ditch near Port Moresby.

239179. Col. No. 542. Moist roadside near Brown River.

239180. Col. No. 562. Roadside near Lae.

239181. Col. No. 570. Near Garaina, Morobe District. Red-peduncle form.

239152 to 239211—Continued

239182. *DICHANTHIUM SERICEUM* (R.Br.) A. Camus Poaceae.

Col. No. 544. Roadside about 10 miles from Port Moresby on way to Rouna Falls.

239183. *ISCHAEMUM DIGITATUM* Brongn. Poaceae.

Col. No. 553. Koitaki about 10 miles above Rouna Falls. Elevation 1,700 feet.

239184. *HETEROPOGON CONTORTUS* (L.) Beauv. Poaceae. **Tanglehead.**

Col. No. 505. Edge of Proserpine Airport, Queensland, Australia.

239185. *ROTTBOELLIA ROTTBOELLIODES* (R.Br.) Druce Poaceae.

Col. No. 512. At Leach near Ingham, Queensland, Australia.

239186. *MANISURIS* sp. Poaceae.

Col. No. 515. At Farford near Ingham, Queensland, Australia.

239187. *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.

Col. No. 524. Near Cairns, Queensland, Australia.

239188. *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf Poaceae.

Col. No. 537. About 10 miles north of Port Moresby.

239189. *CAPILLIPEDIUM SPICIGERUM* S. T. Blake

Col. No. 540. Roadside between Laloki River and Brown River.

239190 and 239191. *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf

239190. Col. No. 549. Hillside above Rouna Falls.

239191. Col. No. 551. Hillside above Rouna Falls.

239192. *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.

Col. No. 539. About eight miles from Laloki River.

239193. *OPHIURUS EXALTATUS* (L.) Kuntze Poaceae.

Col. No. 546. About 2 miles from Rouna Falls. Plant differs from common form in its bluish color and heavy wax.

239194. *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.

Col. No. 578. Hillside near Garaina, Morobe District.

239195 and 239196. *POLYTOCA MACROPHYLLA* Benth. Poaceae.

239195. Col. No. 548. Near Rouna Falls. Plant to 10 feet high; abundant.

239196. Col. No. 561. Roadside near Lae.

239197. *SETARIA PALMIFOLIA* (Willd.) Stapf Poaceae. **Palmgrass.**

Col. No. 581. Near Bubu River, Garaina, Morobe District.

239198 to 239207. *SORGHUM NITIDUM* (Vahl) Pers. Poaceae.

239198. Col. No. 510. Near Stone River, Ingham, Queensland, Australia.

239199. Col. No. 516. Elphinstoni near Ingham, Queensland, Australia.

239200. Col. No. 520. Ripple Creek near Bemerside, Ingham, Queensland, Australia.

239201. Col. No. 525. Near Cairns, Queensland, Australia.

239202. Col. No. 526. Near Cairns, Queensland, Australia.

239203. Col. No. 543. About 10 miles from Port Moresby.

239204. Col. No. 545. Roadside near Rouna Falls. Awnless form.

239205. Col. No. 530. Hillside near Port Moresby. Awned form.

239206. Col. No. 563. Roadside near Lae.

239207. Col. No. 574. Edge of airstrip at Garaina, Morobe District.

239152 to 239211—Continued

239208. *SORGHUM PLUMOSUM* (R. Br.) Beauv. Poaceae.

Col. No. 508. Edge of Ayr Airport, Queensland, Australia.

239209. *SORGHUM* sp.

Col. No. 531. Hillside near Port Moresby.

239210. *ROTTBOELLIA* sp. Poaceae.

Col. No. 517. Roadside at Stone River near Ingham, Queensland, Australia.

239211. *THEMEDA GIGANTEA* (Cav.) Hack. Poaceae.

Col. No. 579. Hillside trail to Bubu River, near Garaina, Morobe District.

239212. *PARAGLYCINE RADICOSA* (A. Rich.) F. J. Herm. Fabaceae.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique. Received Apr. 29, 1957.

239213 to 239222.

From British Honduras. Tubers presented by A. E. Prince, Gallon Jug Village. Received Apr. 29, 1957.

239213. *DIOSCOREA* sp. Dioscoreaceae.

'Afou' or 'Yellow Yam C.I'.

239214. *DIOSCOREA* sp.

'Bacca' or 'White Yam C.V'.

239215. *DIOSCOREA* sp.

'Carib' or 'Negro Yam C.II'.

239216. *DIOSCOREA* sp.

'Chinese C.IV'.

239217. *DIOSCOREA* sp.

'Coco C.IX'.

239218. *DIOSCOREA* sp.

'Pink Soup C.VIII'.

239219. *DIOSCOREA* sp.

'St. Vincent'.

239220. *DIOSCOREA* sp.

'Trinidad'.

239221. *DIOSCOREA* sp.

'Water' or 'Soup C.VIII'.

239222. *DIOSCOREA* sp.

'Yampa C.VI'.

239223 and 239224. *NICOTIANA TABACUM* L. Solanaceae.

Common tobacco.

From Indonesia. Seeds presented by the Indonesian Ministry of Agriculture, Djakarta. Received Apr. 29, 1957.

239223. 'Hybrid 383'.

239224. 'Vorstenlanden'.

239225. *CHLORIS GAYANA* Kunth Poaceae.

Rhodesgrass.

From Tanganyika. Seeds presented by the Agricultural Research Station, Dar-es-salaam. Received Apr. 29, 1957.

'Mpwapwa strain'.

239226 and 239227. CARTHAMUS TINCTORIUS L. Asteraceae.**Safflower.**

From Spain. Seeds presented by the Estacion Experimental de Aula Dei, Zaragoza. Received Apr. 29, 1957.

239226. 'Granja de Bitem' (Tarragona).

239227. 'Tarragona'.

239228 to 239233.

From Great Britain. Seeds presented by the Royal Botanic Gardens, Kew, England. Received Apr. 29, 1957.

239228. ABELIA SPATHULATA Sieb. & Zucc. Caprifoliaceae. **Japanese abelia.**

239229. ABELIA TRIFLORA R. Br. **Himalaya abelia.**

239230. ABELIA UMBELLATA (Graeb. & Buchw.) Rehder

239231. CALLICARPA DICHOTOMA (Lour.) K. Koch Verbenaceae.
Purple beautyberry.

239232. CALLICARPA JAPONICA var. ANGUSTATA Rehder
Japanese beautyberry.

239233. CALLICARPA JAPONICA var. LEUCOCARPA (Sieb.) Rehder
Japanese beautyberry.

239234. STIPA TENACISSIMA L. Poaceae. Esparto needlegrass.

From Tunisia. Seeds presented by the Ecole Superieure d'Agriculture, Enfidaville. Received Apr. 30, 1957.

239235 to 239237. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Thailand. Seeds presented by the Department of Agriculture, Bangkok. Received Apr. 30, 1957.

239235. 'USA-ARD-A'. Yellow-purple mottling.

239236. 'Ootootan No. 6'.

239237. 'Ootootan No. 27'.

239238 to 239244.

From the Netherlands. Seeds presented by the Botanic Garden, Nonnensteeg, Leiden. Received Apr. 30, 1957.

239238. ANGELICA ARCHANGELICA L. Apiaceae.

239239. HYPERICUM HIRCINUM L. Hypericaceae. **St.-Johns-wort.**

239240. HYPERICUM HIRSUTUM L. **Goat St.-Johns-wort.**

239241. HYPERICUM HOOKERIANUM Wight & Arn. **St.-Johns-wort.**

239242. HYPERICUM MACULATUM Walt. **St.-Johns-wort.**

239243. HYPERICUM PERFORATUM L. **Common St.-Johns-wort.**

239244. HYPERICUM TETRAPTERUM Fries **St.-Johns-wort.**

239245. CARICA PAPAYA L. Caricaceae. Papaya.

From Costa Rica. Seeds presented by J. Robert Hunter, San Jose. Received May 1, 1957.

239246 to 239253.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 1, 1957.

From the garden of Major Lawrence Johnston, Serre de la Madone, Val de Gorbio above Menton, Alpes-Maritimes. Apr. 24, 1957. Cuttings unless otherwise noted.

239246. DECUMARIA SINENSIS Oliver Hydrangeaceae.

Col. No. 3821. Scrambling climber, 15 feet high, semi-evergreen; leaves to 3.5 inches long, lustrous green; flowers white, in dense corymbs, fragrant.

239246 to 239253—Continued

239247. *HEDERA CHRYSOCARPA* Walsh Araliaceae. **Caucasian ivy.**

Col. No. 3817. Climbing, woody, evergreen vine; berries yellow.

239248. *MAHONIA SIAMENSIS* Takeda Berberidaceae.

Col. No. 3818. Shrub to 10 feet high; leaves pinnately divided.

239249. *NERIUM OLEANDER* L. Apocynaceae. **Oleander.**

Col. No. 3823. 'Aurantiacum'. Flowers orange-yellow with white center.

239250. *OREOPANAX ECHINOPS* Decne. & Planch. Araliaceae.

Col. No. 3824. Evergreen tree to 25 feet high; leaves digitately divided. Ornamental.

239251. *OSMANTHUS* sp. Oleaceae.

Col. No. 3819. Large evergreen shrub to 12 feet high; leaves to 3 inches long, acuminate.

239252. *VINCA MAJOR* L. Apocynaceae. **Periwinkle.**

Col. No. 3820. 'Pubescens'. Leaves narrow; flowers rose-violet; petals pointed.

239253. *OREOPANAX ECHINOPS* Decne. & Planch. Araliaceae.

Col. No. 3830. Evergreen tree to 20 feet high; leaves digitately 3-foliate, hairy; handsome.

239254 and 239255. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**

From the United States. Seeds held at the Regional Plant Introduction Station, Pullman, Washington. Numbered May 15, 1957.

From the University of California, Davis.

239254. No. 55-53. C3-23AF5. French Morocco.

239255. No. 55-54. C4-BAF2. French Morocco.

239256 to 239258.

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida. Received May 15, 1957.

Originally from Hong Kong.

239256. *ORMOSIA EMARGINATA* Benth. Fabaceae.

239257. *RHODOLEIA CHAMPIONII* Hook. Hamamelidaceae.

239258. *SCHIMA SUPERBA* Gard. & Champ. Theaceae.

239259 to 239317.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 1, 1957.

Collected Apr. 4 to 21, 1957.

239259 to 239262. *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.**

239259. Col. No. 84. 'Kuigato'. Ulupu near Maprik.

239260. Col. No. 122. 'Asaup'. Ulupu near Maprik. Clone 57 NG 122.

239261. Col. No. 128. 'Poola'. Lumi, Sepik District.

239262. Col. No. 129. 'Yilbil'. Lumi, Sepik District.

239259 to 239317—Continued**239263 to 239309.** *SACCHARUM OFFICINARUM* L.**Sugarcane.****239263 to 239269.** Bainyik near Maprik.**239263.** 'Kangui'. Clone 57 NG 85.**239264.** 'Kwangsingui'. Clone 57 NG 86.**239265.** 'Galangui'. Clone 57 NG 87.**239266.** 'Malapele'. Clone 57 NG 88.**239267.** 'It-Te-Huango'. Clone 57 NG 89.**239268.** 'Duangelit'. Clone 57 NG 90.**239269.** 'Da-seeb'. Clone 57 NG 91.**239270.** 'Gui'. Ambunti. Clone 57 NG 92.**239271.** 'Manui'. Yenchanga on Sepik River. Clone 57 NG 94.**239272.** 'Mai-im'. Yenchanga on Sepik River. Clone 57 NG 95.**239273.** 'Kalam'. Lapungai on Sepik River. Clone 57 NG 96.**239274.** 'Wabi'. Lapungai on Sepik River. Clone 57 NG 97.**239275.** 'Kamingwai'. Kapungai on Sepik River. Clone 57 NG 98.**239276.** 'Patel'. Lapungai on Sepik River. Clone 57 NG 99.**239277.** 'Sangi'. Japandai on Sepik River. Clone 57 NG 100.**239278.** 'Japandai'. Clone 57 NG 101.**239279.** Near Yambi, Sepik District. Clone 57 NG 106.**239280.** 'Ai-he-pela'. Supari, Maprik. Clone 57 NG 107.**239281 to 239294.** Telefomin.**239281.** 'Ko-ri'. Clone 57 NG 108.**239282.** 'Teneb'. Clone 57 NG 109.**239283.** 'Afakulap'. Clone 57 NG 110.**239284.** 'Afaim'. Clone 57 NG 111.**239285.** 'Fairi'. Clone 57 NG 112.**239286.** 'Futuru'. Clone 57 NG 113.**239287.** 'Doong'. Clone 57 NG 114.**239288.** 'Alik-sok'. Clone 57 NG 115.**239289.** 'I-tel'. Clone 57 NG 116.**239290.** 'Uruk'. Clone 57 NG 117.**239291.** 'Ko-ja-su-nor'. Clone 57 NG 118.**239292.** 'Freem'. Clone 57 NG 119.**239293.** 'Freem'. Clone 57 NG 120.**239294.** 'Mi-on'. Clone 57 NG 121.**239295.** 'Boi-u'. Clone 57 NG 123.**239296.** Col. No. 124. 'Tandemali-e'.**239297.** Col. No. 125. 'Naffi or Yali'. Collected at Lani and Nambis.**239298.** Col. No. 127. 'Makubu'.**239299.** 'Lumi'. Clone 57 NG 130.

239259 to 239317—Continued**239263 to 239309—Continued****239300 to 239309.** Baiyer River.

239300. 'Ba-ga' (Hagen). Clone 57 NG 135.

239301. 'Keruma' (Hagen). Clone 57 NG 136.

239302. 'Kogla' (Hagen). Clone 57 NG 137.

239303. 'Mugimp' (Hagen). Clone 57 NG 138.

239304. 'Ba-ga' (Hagen). Col. No. 139. (Color variant of 57 NG 135.)

239305. 'Kiawaiya' (Hagen). Col. No. 140. Elevation 4,200 feet.

239306. Col. No. 141. 'Ay-Gligim' (Hagen). Elevation 4,200 feet.

239307. Col. No. 142. 'Ki-awaiya'. Elevation 4,200 feet.

239308. 'Mau-i'. Clone 57 NG 143. Elevation 4,200 feet.

239309. Col. No. 144. 'Dim'. Elevation 4,400 feet.

239310 to 239312. SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae.**Sugarcane.**

239310. Near Maprik. Col. No. 83.

239311. Lapungai on the Sepik River. Clone 57 NG 103.

239312. Pagwi on the Sepik River. Col. No. 105.

239313. SACCHARUM (hybrid).**Sugarcane.**

Col. No. 121A.

239314. SACCHARUM (hybrid).**Sugarcane.**

Col. No. 131. 'Namp'. Nondugl.

239315. SACCHARUM (hybrid).**Sugarcane.**

'Gulp'. Nondugl. Clone 57 NG 132.

239316. SACCHARUM (hybrid).**Sugarcane.**

Three miles north of Nondugl. Clone 57 NG 133.

239317. SACCHARUM (hybrid).**Sugarcane.**

Nondugl. Clone 57 NG 134.

239318. STREPTOCARPUS CAULESCENS Vatke Gesneriaceae.

From Portugal. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 1, 1957.

Col. No. 3736. Botanical Garden, University of Coimbra, Coimbra. Apr. 3, 1957. Perennial herb to 12 inches high; stems thick, gouty; Flowers small, deep blue.

239319 to 239323. SACCHARUM ROBUSTUM Brandes & Jesw. Poaceae.
Sugarcane.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 1, 1957.

239319. Col. No. 645. Near Dagua. Apr. 2, 1957.

239320. Col. No. 650. Near Bainyik Agricultural Station, Maprik. Apr. 4, 1957.

239321. Col. No. 668. Edge of Sepik River, 1 mile below Ambunti. Apr. 4, 1957. Yellow form.

239322. Col. No. 669. In water of Sepik River between Pagwi and Ambunto. Apr. 7, 1957. Plant yellower than typical red form.

239319 to 239323—Continued

239323. Col. No. 686. Edge of Street, Telefomin, Sepik District. Apr. 10, 1957.

239324 to 239331.

From Australia. Seeds presented by Law Somner, Melbourne, Victoria; through E. A. Menninger, Stuart, Florida. Received May 2, 1957.

239324. *EUCALYPTUS CALOPHYLLA* Lindl. Myrtaceae. **Port Gregory gum.**
'Rosea'.

239325. *EUCALYPTUS ERYTHRONEMA* Turcz. **Gum.**

239326. *EUCALYPTUS FORRESTIANA* Diels **Gum.**

239327. *EUCALYPTUS OLDFIELDII* F. Muell. **Gum.**

239328. *EUCALYPTUS STOATEI* C. A. Gard. **Gum.**

239329. *EUCALYPTUS TETRAGONA* (R. Br.) F. Muell. **Gum.**

239330. *EUCALYPTUS TETRAPTERA* Turcz. **Gum.**

239331. *EUCALYPTUS TORQUATA* Luehm. **Gum.**

239332 to 239336.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 2, 1957.

239332. *BUDDLEIA CRISPA* var. *FARRERI* (Balf. & W.W.Sm.) Hand.-Mazz. **Butterflybush.**
Loganiaceae.

Col. No. 3834. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, above Menton, Alpes-Maritimes. Deciduous shrub to 8 feet high; leaves densely white tomentose; flowers pale rose-lilac, eyes yellow.

239333. *NARCISSUS POETICUS* var. *RECURVUS* (Haw.) Fernd. **Amaryllidaceae.**

Col. No. 3816. Open meadows near St. Cannat, Aix-en-Provence. Apr. 22, 1957. Bulbous perennial to 12 inches high; flowers white, fragrant. Poets wild narcissus.

239334. *PHLOMIS FRUTICOSA* L. **Menthaceae.**

Col. No. 3826. Garden, Menton-Garavan, Alpes-Maritimes. Apr. 25, 1957. Sprawling shrub; leaves woolly; flowers yellow.

239335. *SARCOCOCCA SALIGNA* (D. Don.) Muell.-Arg. **Buxaceae.**

Col. No. 3827. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, Alpes-Maritimes. Apr. 25, 1957. Evergreen shrub to 4 feet high; leaves acuminate, lanceolate-oblong.

239336. *TRACHYSTEMON ORIENTALE* (L.) D. Don **Boraginaceae.**

Col. No. 3833. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, Alpes-Maritimes. Rhizomatous perennial; leaves all basal, large, cordate, 12 inches long; flowers inconspicuous.

239337 to 239352.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 2, 1957.

239337. *CROTALARIA TRIFOLIATRUM* Willd. **Fabaceae.**
No. W429.

239338. *PHALARIS BRACHYSTACHYA* Link **Poaceae.** **Canarygrass.**
No. C.P.I. 14414.

239339. *PHALARIS PLATENSIS* (Arech.) Valencia **Canarygrass.**
No. C.P.I. 12345.

239337 to 239352—Continued

- 239340.** *PHALARIS PARADOXA* L. Hood canarygrass.
No. C.P.I. 7033.
- 239341.** *TRIFOLIUM DESVAUXII* Boiss. & Blanche Fabaceae. Clover.
No. C.P.I. 13816.
- 239342.** *TRIFOLIUM FORMOSUM* Urv. Clover.
No. C.P.I. 15640.
- 239343.** *TRIFOLIUM HIRTUM* All. Rose clover.
No. C.P.I. 13949.
- 239344.** *TRIFOLIUM STENOPHYLLUM* Boiss. Clover.
No. C.P.I. 14938.
- 239345.** *TRIFOLIUM STRICTUM* L. Clover.
No. C.P.I. 15784.
- 239346.** *VICIA CORNIGERA* Chaub. Fabaceae. Vetch.
No. C.P.I. 18776.
- 239347.** *VICIA HIRSUTA* (L.) S. F. Gray Tiny vetch.
No. C.P.I. 13763.
- 239348.** *VICIA SATIVA* L. Common vetch.
No. C.P.I. 18780.
- 239349.** *VICIA MONANTHA* Retz. Bard vetch.
No. C.P.I. 10378.
- 239350.** *VICIA* sp.
No. C.P.I. 10394.
- 239351 and 239352.** *VICIA ANGUSTIFOLIA* var. *SEGETALIS* (Thuill.) Koch Vetch.
239351. No. C.P.I. 10421.
239352. No. C.P.I. 11738.

239353 and 239354.

From Spain. Seeds presented by the Estacion Experimental de Aula Dei, Zaragoza. Received May 2, 1957.

- 239353.** *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.
Originally from Alicante.
- 239354.** *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
'Pane 3'.

239355 and 239356.

From Belgian Congo. Seeds presented by the Laboratoire Central de Yangambi. Received May 2, 1957.

- 239355.** *PHASEOLUS* sp. Fabaceae.
- 239356.** *VIGNA VEXILLATA* (L.) A. Rich. Fabaceae. Cowpea.

239357 to 239364.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 3, 1957. Collected Apr. 25 and 28, 1957.

- 239357.** *APHYLLANTHES MONSPELIENSIS* L. Liliaceae.

Col. No. 3841. Steep slopes above Lantosque, Alpes-Maritimes. Fibrous-rooted perennial; leaves rushlike, to 1 foot long; flowers 1 inch in diameter, azure blue, terminal on scapes. (Plants.)

239357 to 239364—Continued

239358. *NARCISSUS POETICUS* var. *RECURVUS* (Haw.) Fernd. Amaryllidaceae.

Col. No. 3840. Moist grassy meadow at Levans, Alpes-Maritimes. Plant to 14 inches high; perianth white, somewhat recurved; orange center. (Bulbs.)

239359. *SARCOCOCCA RUSCIFOLIA* Stapf Buxaceae.

Col. No. 3828. Garden above Menton, Alpes-Maritimes. Evergreen shrub, to 5 feet high; leaves dark lustrous green, to 2 inches long; flowers small, whitish, inconspicuous; fruit currantlike, dark shiny red, fleshy. (Cuttings.)

239360. *SAXIFRAGA LINGULATA* var. *LANTOSCANA* Boiss. Saxifragaceae.

Col. No. 3845. Cliffs and rock ledges along the River Vesubie, Le Suquet, 3 miles from Lantosque. Densely tufted rhizomatous perennial, forming a rosette; flowers white. (Plants.)

239361. *SCILLA ITALICA* L. Liliaceae. Col. No. 3844. Above Menton, Alpes-Maritimes. Elevation 3,000 feet. Flowers light blue. (Bulbs.)

239362. *TETRAPANAX PAPYRIFERUS* (Hook.) Koch Araliaceae. Col. No. 3829. Above Menton, Alpes-Maritimes. Large evergreen shrub; leaves whitish, 1 foot across; source of rice paper. (Cuttings.)

239363. (Undetermined.) Asteraceae. Col. No. 3831. Above Menton, Alpes-Maritimes. Shrub to 3 feet high. (Cuttings.)

239364. *BALLOTA ACETABULOSA* Benth Menthaceae. Col. No. 3832. Garden of Serre de la Madone, above Menton, Alpes-Maritimes. (Cuttings.)

239365 to 239371.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 6, 1957. Collected Apr. 28, 1957.

239365. *ANTIRRHINUM MAJUS* L. Scrophulariaceae. **Common snapdragon.**

Col. No. 3835. Slopes above the River Vesubie near Lantosque, Alpes-Maritimes. Flowers mixed white and chartreuse. (Cuttings.)

239366. *CYTISUS ARDOINII* Fourn. Fabaceae.

Broom.

Col. No. 3837. Peira Cava, above Menton, Alpes-Maritimes. Elevation 4,800 feet. Woody prostrate shrub to 8 inches high; flowers yellow with red stripes. (Plants.)

239367 and 239368. *DIGITALIS LUTEA* L. Scrophulariaceae. **Straw foxglove.**

239367. Col. No. 3836. Peira Cava, Alpes-Maritimes. Smooth perennial, to 3 feet high; leaves oblong to lanceolate, toothed; flowers yellow, abundant. (Plants.)

239368. Col. No. 3836. Seeds of P.I. 239367.

239369. *MUSCARI BOTRYOIDES* Mill. Liliaceae.

Common grape-hyacinth.

Col. No. 3843. Open grassy slopes and meadows, Col de Braus, Alpes-Maritimes. Plant to 6 inches high; flowers in various shades of blue and indigo. (Bulbs.)

239370. *POLYGALA NICAENSIS* Risso Polygalaceae.

Col. No. 3842. Alkaline soil, open rocky mountain slopes; Col de Braus, 20 miles from Menton, Alpes-Maritimes. Tufted perennial; branches spreading, decumbent; flowers azure blue. (Plants.)

239371. *VALERIANA TUBEROSA* L. Valerianaceae.

Col. No. 3839. Shale slopes above the Vesubie River, near Lantosque, Alpes-Maritimes. Tuberous rooted perennial to 2 feet high; flowers pinkish. (Plants.)

239372 to 239380.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 7, 1957.

239372. *ASPHODELUS CERASIFERUS* J. Gay Liliaceae.

Col. No. 3838. Open mountain slopes, Peira Cava, above Menton, Alpes-Maritimes. Elevation 4,800 feet. Apr. 28, 1957. Tuberous-rooted perennial to 5 feet high; leaves mostly basal, sword-shaped; flowers white. (Plants.)

239373. *GREWIA OCCIDENTALIS* L. Tiliaceae.

Col. No. 3867. Jardin Botanique "Les Cedres", St. Jean Cap Ferrat, Alpes-Maritimes. Small tree or large shrub; flowers about 1 inch long, pink or purplish. (Plants.)

239374. *HEPTAPLEURUM* sp. Araliaceae.

Col. No. 3853. Small evergreen tree, to 20 feet high.

239375. *JASMINUM POLYANTHUM* Franch. Oleaceae.

Jasmine.

Col. No. 3858 A. (Plants.)

239376. *MAHONIA LOMARIFOLIA* Takeda Berberidaceae.

Col. No. 3825. Garden above Malone, Alpes-Maritimes. Evergreen shrub to 15 feet high; flowers terminal, yellow, winter; fruits blue, in large pendulous clusters. (Seeds.)

239377. *OSTEOSPERMUM MONILIFERUM* L. Asteraceae.

Col. No. 3883. Jardin Botanique "Les Cedres", St. Jean Cap-Ferrat, Alpes-Maritimes. Much-branched shrubby bush to 4 feet high; leaves green above, cobwebby beneath; rays yellow. (Plant.)

239378. *SARCOCOCCA RUSCIFOLIA* Stapf Buxaceae.

Col. No. 3828. Garden above Menton, Alpes-Maritimes. Evergreen shrub to 5 feet high; leaves dark lustrous green, to 2 inches long; flowers small, whitish, inconspicuous; fruit currantlike, dark, shiny red, fleshy. (Seeds.)

239379. *SCHEFFLERA DELAVAYI* (Franch.) Harms Araliaceae.

Col. No. 3852. Jardin Botanique, "Les Cedres", St. Jean Cap-Ferrat, Alpes-Maritimes. Shrub or tree to 20 feet high; leaves digitately divided, tomentose. (Cuttings.)

239380. *WILKESIA GYMNOPHYLLUM* A. Gray Asteraceae.

Col. No. 3847. Jardin Botanique "Les Cedres", St. Jean Cap-Ferrat, Alpes-Maritimes. Plant aborescent, to 20 feet high, monocarpic; disk flowers yellow. (Plants.)

239381 to 239425.

From Mexico. Tubers presented by the Rockefeller Foundation, Mexico City. Received May 7, 1957.

Collected as noted.

239381 to 239402. *SOLANUM BULBOCASTANUM* Dun. Solanaceae.

239381 to 239384. Pedregal de San Angel, Mexico City.

239381. S-359.

239383. S-361.

239382. S-360.

239384. S-362.

239385. S-376. Patzcuaro, Michoacan.

239386. S-377. Zacapu, Michoacan.

239387. S-378. Tzintzuntzan, Michoacan.

239388. S-379. Zacapu, Michoacan.

239381 to 239425—Continued**239381 to 239402—Continued**

239389. S-380. Tzintzuntzan, Michoacan.
 239390. S-398. Atlatlahuacan, Morelos.
 239391. S-401. Puebla, Puebla.
 239392. S-404. Cholula, Puebla.
 239393. S-408. Kil. 150 (Mexico-Oaxaca) Puebla.
 239394. S-409. Kil. 25 (Tlaxcala-Puebla) Puebla.
 239395. S-410. Kil. 8 (Tlaxcala-Puebla) Puebla.
 239396. S-411A. Tlalnepantla, Mexico City.
 239397. S-411B. Tlalnepantla, Mexico City.
 239398. S-420. Parque Benito Juarez, Oaxaca, Oaxaca.
 239399. S-424. Monte Alban, Oaxaca.
 239400. S-425. Monte Alban, Oaxaca.
 239401. S-427. Cerro San Felipe, Oaxaca.
 239402. S-454. Tenancingo.

239403 to 239406. SOLANUM BRACHYCARPUM Correll Solanaceae.

239403. S-422. La Venta, Sierra Madre, Oaxaca.
 239404. S-448. Kil. 129 (Mexico-Valle de Bravo).
 239405. S-452. San Mateo.
 239406. S-453. San Mateo.

239407. SOLANUM CARDIOPHYLLUM Lindl.

- S-400. Tlalmanalco.

239408 to 239411. SOLANUM STOLONIFERUM Schlecht.

239408. S-381. Kil. 378 (Guadalajar) Michoacan.
 239409. S-382. Kil. 12-13 (Quiroga-Patzcuaro) Michoacan.
 239410. S-385. Kil. 12-13 (Quiroga-Patzcuaro) Michoacan.
 239411. S-403. Oriental, Puebla.

239412. SOLANUM TRIFIDUM Correll

- S-372. Carapan, Michoacan.

239413 to 239422. SOLANUM TUBEROSUM L.**Potato.**

- | | |
|-----------------|----------------|
| 239413. HOL-37. | 239418. 115-9. |
| 239414. RU-18. | 239419. 124-2. |
| 239415. 42-23. | 239420. 135-1. |
| 239416. 42-26. | 239421. 136-6. |
| 239417. 109-3. | 239422. 184-1. |

239423. SOLANUM sp.

- S-368. Paricutin, Michoacan.

239424. SOLANUM sp.

- S-373. Paricutin, Michoacan.

239425. SOLANUM sp.

- S-384. Kil. 12-13 (Quiroga-Patzcuaro) Michoacan.

239426 to 239438.

From Peru. Seeds presented by the United States Operations Mission, International Cooperation Administration, Lima.

Received May 7, 1957.

239426 to 239437. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**

239426. M.A. Russian $\times$ Canada 1. Forage type.

239427. M.A. Russian $\times$ Canada 1. Forage type.

239428 to 239434. S-37-388 $\times$ 953-102-1-1-22-4.

239428. LM 56-35-1.

239432. LM 56-144-1.

239429. LM 56-38-3.

239433. LM 56-145-1.

239430. LM 56-49-1.

239434. LM 56-146-1.

239431. LM 56-52-1.

239435 to 239437. Sunrise $\times$ 953-102-1-1-22-4.

239435. LM 56-9-1.

239436. LM 56-13-1.

239437. LM 56-19-1.

239438. *SORGHUM VULGARE* Pers. Poaceae.

Dobbs.

239439 to 239441. *SORGHUM VULGARE* Pers. Poaceae.

From the Union of South Africa. Seeds presented by the College of Agriculture, Potchefstroom. Received May 7, 1957.

239439. 'Birdproof'.

239440. 'Radar'.

239441. 'Breeding Line 54.K.94'.

239442 to 239470.

From Portugal. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 8, 1957.

Collected at the Botanical Garden, Coimbra.

239442. *ANTIRRHINUM CALYGINUM* Jacq. Scrophulariaceae. **Snapdragon.**

239443. *ANTIRRHINUM MAJUS* L. **Common snapdragon.**

239444. *ANTIRRHINUM PARVIFLORUM* Jacq. **Snapdragon.**

239445. *DIANTHUS ARMERIA* L. Silenaceae.

239446. *DIANTHUS BARBATUS* L. **Sweet-william.**

239447. *DIANTHUS CEASII* J. E. Sm. **Cheddar pink.**

239448. *DIANTHUS CARTHUSIANORUM* L.

239449. *DIANTHUS CAROPHYLLUS* L. **Carnation.**

239450. *DIANTHUS CHINENSIS* L. **Chinese pink.**

239451. *DIANTHUS DELTOIDES* L. **Maiden pink.**

239452. *DIANTHUS GIGANTEUS* D'Urv.

239453. *DIANTHUS LUSITANUS* Brot.

239454. *DIANTHUS MONSPESSULANUS* L.

239455. *DIANTHUS PLUMARIUS* L. **Garden pink.**

239456. *RANUNCULUS ACRI* S. L. Ranunculaceae. **Tall buttercup.**

239457. *RANUNCULUS AQUATILIS* L. **Buttercup.**

239442 to 239470—Continued

239458.	<i>RANUNCULUS ARVENSIS</i> L.	Buttercup.
239459.	<i>RANUNCULUS BROTERI</i> Freyn.	Buttercup.
239460.	<i>RANUNCULUS BULLATUS</i> L.	Buttercup.
239461.	<i>RANUNCULUS BUPLEUROIDES</i> Brot.	Buttercup.
239462.	<i>RANUNCULUS FLAMMULA</i> L.	Buttercup.
239463.	<i>RANUNCULUS LANUGINOSUS</i> L.	Buttercup.
239464.	<i>RANUNCULUS MURICATUS</i> L.	Buttercup.
239465.	<i>RANUNCULUS OPHIOGLOSSIFOLIUS</i> Vill.	Mediterranean buttercup.
239466.	<i>RANUNCULUS PARVIFLORUS</i> L.	Buttercup.
239467.	<i>RANUNCULUS REPENS</i> L.	Creeping buttercup.
239468.	<i>RANUNCULUS SARDOUS</i> Crantz	Buttercup.
239469.	<i>RANUNCULUS SCELERATUS</i> L.	Buttercup.
239470.	<i>RANUNCULUS TRACHYCARPUS</i> Fisch. & Mey.	Buttercup.

239471 to 239483.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 8, 1957.

Obtained from the Jardin Botanique "Les Cedres", St. Jean, Cap Ferrat, Alpes-Maritimes. May 1, 1957. Cuttings unless otherwise noted.

239471. ALOE AFRICANA Mill. Liliaceae.

Col. No. 3887. Stem to 20 feet high; leaves sword-shape, about 20 inches long, forming a dense rosette at the top of stems, margin prickly; flowers bright yellow, tipped with green, much recurved. (Seeds.)

239472. ALOE CLAVIFLORA Burch.

Col. No. 3886. Stem very short; leaves 1 foot long, blue-green, forming a rosette, margin whitish; teeth horny; flowers orange-red. (Seeds.)

239473. ALOE PIENAARII Pole-Evans.

Col. No. 3885. (Seeds.)

239474. ALOE THRASKII Bak.

Col. No. 3884. Stems unbranched; leaves 2 feet long, smooth, brown-tipped, prickly on margin; flowers yellow. (Seeds.)

239475. CANTUA BUXIFOLIA Lam. Polemoniaceae.

Col. No. 3861. Shrub to 6 feet high; branches arching; leaves about 0.75 inch long; flowers long-tubular, drooping, purplish-red; tube striped yellow. Sacred flower of the Incas.

239476. CESTRUM ELEGANS (Brongn.) Schlecht. Solanaceae.

Col. No. 3846. Shrub to 8 feet high; flowers rose-lilac.

239477. ELAEAGNUS × REFLEXA Morr. & Decne. Elaeagnaceae.

Col. No. 3855. (Hybrid of *E. glabra* × *E. pungens*). Vigorous evergreen scrambler, rarely armed with spines; leaves ovate-lanceolate, shining green above, reddish brown beneath.

239478. EPHEDRA ALTISSIMA Desf. Gnetaceae. Climbing jointfir.

Col. No. 3851. Vigorous woody scrambler to 20 feet long; stems naked, green, horsetail-like; fruits red; flesh juicy.

239479. GREVILLEA ACANTHIFOLIA A. Cunn. Proteaceae.

Col. No. 3848. Sprawling evergreen shrub to 4 feet high; leaves spiny; flowers pink.

239471 to 239483—Continued**239480.** GREVILLEA ASPLENIFOLIA R. Br.

Col. No. 3849. Much-branched, drooping evergreen tree or large shrub; leaves linear serrate, silvery below and green above; flowers orange-red.

239481. JASMINUM POLYANTHUM French. Oleaceae.**Jasmine.**

Col. No. 3858. Robust evergreen climber; flowers white to pinkish, fragrant; floriferous spring bloomer.

239482. NOTHOPANAX DAVIDII (Franch.) Harms Araliaceae.

Col. No. 3866. Evergreen shrub to 8 feet high.

239483. SAURAUJA PUNDUANA DC. Dilleniaceae.

Col. No. 3864. Evergreen tree to 30 feet high; leaves 1 foot long, 6 inches wide; flowers small, in clusters, pink.

239484. GLYCINE MAX (L.) Merr. Fabaceae.**Soybean.**

From India. Seeds presented by the Government Experiment Farm, Yeotmal, Vidarbha. Received May 8, 1957.

No. 55.

239485. CROTALARIA INTERMEDIA Kotschy Fabaceae.**Slenderleaf crotalaria.**

From Southern Rhodesia. Seeds presented by the Agricultural Attache, American Consulate General, Salisbury. Received May 8, 1957.

Mtoroshanga strain.

239486. LOLIUM MULTIFLORUM Lam. Poaceae.**Italian ryegrass.**

From Spain. Seeds presented by the Institucion Nacional de Investigaciones Agronomicas, Madrid. Received May 8, 1957.

Collected in La Coruna, northeastern Spain.

239487. CRYPTOMERIA JAPONICA (L.f.) D. Don Pinaceae.**Common cryptomeria.**

From Japan. Seeds presented by the Kyushu Agricultural Experiment Station, Mii-machi, Fukuoka-ken. Received May 8, 1957.

Originally from Kagoshima-Ken.

239488. CLEMATIS CRASSIFOLIA Benth. Ranunculaceae.

From Japan. Seeds planted at the United States Plant Introduction Station, Glenn Dale, Md. Numbered May 8, 1957.

Collected by J. L. Creech in the Furuta National Forest, Tanegashima, Japan, Mar. 9, 1956.

239489 to 239499.

From Australia. Seeds presented by E. A. Menninger, Stuart, Fla. Received May 8, 1957.

239489. BANKSIA PRIONOTES Lindl. Proteaceae.**239490.** CALLITRIS ROEI (Endl.) Benth. & Hook. Pinaceae.**Cypress-pine.****239491.** EUCALYPTUS CALYCOGONA Turcz. Myrtaceae.**Gum.****239492.** EUCALYPTUS EREMOPHILA (Diels) Maiden**Gum.****239493.** EUCALYPTUS ERYTHRONEMA Turcz.**Gum.****239494.** EUCALYPTUS FORRESTIANA Diels**Gum.****239495.** EUCALYPTUS GROSSA F. Muell.**Gum.****239496.** EUCALYPTUS KESSELLII Maid. & Blakely**Gum.****239497.** EUCALYPTUS PLATYCORYS Maid. & Blakely**Gum.**

239489 to 239499—Continued**239498.** *EUCALYPTUS PYRIFORMIS* Turcz.

Gum.

239499. *HAKEA MULTILINEATA* Meisn. Proteaceae.**239500 to 239540.**

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 8, 1957.

Collected Mar. 24 to 30, 1957.

239500. *ARTHRAOXON HISPIDUS* (Thunb.) Makino Poaceae.

Col. No. 608. Edge of Korlte River near Menyamya.

239501. *CAPILLIPEDIUM SPICIGERUM* S. T. Blake Poaceae.

Col. No. 609. Edge of Korlte River near Menyamya.

239502. *ARTHRAOXON HISPIDUS* (Thunb.) Makino Poaceae.

Col. No. 613. Wantoat.

239503. *ANDROPOGON* sp. Poaceae.

Col. No. 624. Twenty miles from Bulolo, on way to Lae.

239504 and 239505. *APLUDA MUTICA* L. Poaceae.**239504.** Col. No. 592. Between Erap and Rimie Rivers.**239505.** Col. No. 637. Roadside, 20 miles from Madang.**239506.** *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf Poaceae.

Col. No. 636. Gusap airstrip.

239507 to 239510. *EULALIA LEPTOSTACHYS* (Pilger) Henr. Poaceae.**239507.** Col. No. 594. Airstrip, Wantoat. Elevation 3,700 feet.**239508.** Col. No. 603. Bank of Korlte River, near Menyamya.**239509.** Col. No. 621. Grass flat near Wau.**239510.** Col. No. 638. Roadside about 20 miles from Madang.**239511.** *HACKELOCHLOA GRANULARIS* (L.) Kuntze Poaceae.

Col. No. 610. Edge of Korlte River near Menyamya.

239512 and 239513. *IMPERATA EXALTATA* (Roxb.) Brongn. Poaceae.**239512.** Col. No. 601. Hillside near Bulolo.**239513.** Col. No. 628. Patep, village between Bulolo and Lae.

Large purple form.

239514. *INDIGOFERA* sp. Fabaceae.

Indigo.

Col. No. 641. About 10 miles from Madang.

239515. *ISCHAEMUM ARISTATUM* L. Poaceae.

Col. No. 590. Sixty miles from Lae on Madzab-Erap road.

239516 and 239517. *ISCHAEMUM DIGITATUM* Brongn.**239516.** Col. No. 611. Edge of Korlte River near Menyamya.**239517.** Col. No. 640. Banks of Bigess River, about 10 miles from Madang.**239518.** *MISCANTHUS FLORIDULUS* (Labill.) Warb. Poaceae. Silvergrass.

Col. No. 618. Near Wau. Elevation 3,900 feet.

239519. *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.

Col. No. 612. Wantoat.

239520. *NICOTIANA* sp. Solanaceae.

Col. No. 598. Near Wantoat. Native tobacco.

239500 to 239540—Continued

- 239521.** *OPHIURUS EXALTATUS* (L.) Kuntze Poaceae.
Col. No. 589. Twenty-eight miles from Lae.
- 239522.** *ROTTBOELLIA* (R. Br.) Druce Poaceae.
Col. No. 625. Edge of Snake River, 17 miles from Bulolo on way to Lae.
- 239523.** *PIPER* sp. Piperaceae.
Col. No. 591. Botanic Garden, Lae.
- 239524 to 239526.** *POGONATHERUM PANICEUM* (Lam.) Hack. Poaceae.
239524. Col. No. 606. Edge of Korlte River near Menyamya.
239525. Col. No. 619. Hillside below Wau.
239526. Col. No. 622. Above Wau on Edie Creek Road.
- 239527 to 239529.** *POLYTOCA MACROPHYLLA* Benth. Poaceae.
239527. Col. No. 597. Wantoat.
239528. Col. No. 600. Pine Tops, Bulolo River, near Bulolo.
239529. Col. No. 630. Edge of Muirasa River near Madang.
- 239530 and 239531.** *SACCHARUM SPONTANEUM* L. Poaceae. **Sugarcane.**
239530. Col. No. 605. Edge of Korlte River near Menyamya.
239531. Col. No. 634. Gusap Airfield.
- 239532 and 239533.** *SORGHUM LAXIFLORUM* F. M. Bailey Poaceae.
239532. Col. No. 596. Wantoat.
239533. Col. No. 602. Bank of Korlte River near Menyamya.
- 239534 to 239537.** *SORGHUM NITIDUM* (Vahl) Pers.
239534. Col. No. 588. Twenty-eight miles from Lae.
239535. Col. No. 595. Wantoat.
239536. Col. No. 607. Edge of Korlte River near Menyamya.
239537. Col. No. 620. Native village near Wau.
- 239538.** *THEMEDA GIGANTEA* var. *VILLOSA* (Poir.) Hack. Poaceae.
Col. No. 604. Bank of Korlte River near Menyamya.
- 239539.** *THEMEDA* sp.
Col. No. 635. Gusap airstrip.
- 239540.** *THEMEDA* sp.
Col. No. 639. Gogal River about 20 miles from Madang.

239541 to 239548.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 9, 1957.

From the Jardin Botanique, Les Cedres, Stg. Jean, Cap Ferrat, Alpes-Maritimes. May 1, 1957.

- 239541.** *ERYTHRINA* sp. Fabaceae.
Col. No. 3857. (Plant.)
- 239542.** *GREVILLEA ALPINA* Lindl. Proteaceae.
Col. No. 3860. Evergreen shrub to 3 feet high; leaves linear, 0.5 inch long; flowers reddish. (Cuttings.)
- 239543.** *HEPTAPLEURUM* sp. Araliaceae.
Col. No. 3853. Small tree; leaves evergreen. (Cuttings.)
- 239544.** *MALVAVISCUS CONZATTII* Greenm. Malvaceae.
Col. No. 3868. Large evergreen shrub; leaves to 6 inches long; flowers simulating red lanterns.

239541 to 239548—Continued**239545.** *NOTHOPANAX LAETUS* Cheesem. Araliaceae.

Col. No. 3854. Evergreen shrub to 8 feet high; leaves highly lustrous. (Cuttings.)

239546. *POLYGONUM EPHEDRIOIDES* Hook. f. Polygonaceae.

Col. No. 3859. Arching evergreen bush to 2 feet high; stems green, naked. (Cuttings.)

239547. *LIGUSTRUM SEMPERVIRENS* (Franch.) Lingels. Oleaceae.

Col. No. 3850. Spreading evergreen shrub to 8 feet high; leaves deep lustrous green, flowers white. (Cuttings.)

239548. *TETRASTIGMA HARMANDII* Planch. Vitaceae.

Col. No. 3856. Rank-growing evergreen vine; leaves lustrous; flowers greenish. (Cuttings.)

239549 and 239550.

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida. Received May 9, 1957.

Originally from Ibadan, Nigeria.

239549. *COCHLOSPERMUM TINCTORIUM* Perr. Cochlospermaceae.**239550.** *MONODORA TENUIFOLIA* Benth. Annonaceae.**239551 to 239553.**

From the United States. Seeds presented by J. R. Jarvis, Briella, N.J. Received May 9, 1957.

Collected in Plumas County, Calif.

239551 and 239552. *PINUS LAMERTIANA* Douglas Piceae.

Pine.

239551. No. 1.**239552.** No. 2.**239553.** *PINUS PATULA* Schlecht. & Cham.

Pine.

No. 3.

239554. *SETCREASEA PURPUREA* Boom Commelinaceae.

From Mexico. Plants growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered May 9, 1957.

Originally from Tampico.

239555. *SKIMMIA JAPONICA* Thunb. Rutaceae.

Japanese skimmia.

From Canada. Plants presented by the University of British Columbia, Vancouver. Received May 10, 1957.

239556 to 239564.

From New Guinea. Cuttings presented by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 10, 1957.

239556 to 239562. *SACCHARUM OFFICINARUM* L. Poaceae.

Sugarcane.

From Tari. Apr. 26, 1957.

239556. Clone 57 NG 146.**239560.** 'Wabena'. Clone 57 NG 150.**239557.** Clone 57 NG 147.**239561.** Not a good type. No. 151.**239558.** 'Igibu'. No. 148.**239559.** 'Neko'. No. 149**239562.** 'Wabena'. Clone 57 NG 152.

239566 to 239564—Continued

239563 and 239564. *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**

239563. Tari. Apr. 25, 1957. Clone 57 NG 145.

239564. Tari. Apr. 26, 1957. No. 153. Typical type.

239565 to 239567. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From the United States. Tubers presented by the Alaska Agricultural Experiment Station, College, Alaska. Received May 10, 1957.

Originally from an Experiment Station in northeastern Finland.

239565. 'Joakka'.

239566. 'Record'.

239567. 'Sieglinde'.

239568 and 239569. *VICIA SATIVA* L. Fabaceae. **Common vetch.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 10, 1957.

239568. C.P.I. 10375.

239569. C.P.I. 10389.

239570 to 239573. *ZEA MAYS* L. Poaceae. **Corn.**

From Turkey. Seeds presented by Recai Tasan, Tahum Islah Istasyonu, Samsun. Received May 10, 1957.

239570. Z. M. (Yellow dent)

239572. Z. M. (Yellow flint)

239571. Z. M. (White dent)

239573. Z. M. (Red flint)

239574 to 239581. *SECALE CEREALE* L. Poaceae. **Rye.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received May 10, 1957.

239574. 'Gayerowo'.

239575. 1-22.141. From Estacao Experimental de Passo Fundo, Passo Fundo, Rio Grande do Sul.

239576 to 239581. From Instituto Agronomico do Sul, Pelotas, Rio Grande do Sul.

239576. 1-22.142.

239579. 1-22.145.

239577. 1-22.143.

239580. 1-22.146.

239578. 1-22.144.

239581. 1-22.147.

239582 to 239620.

From Japan. Plants collected by H. Takeda, Fujimicho, Chiyoda-ku, Tokyo. Received May 13, 1957.

239582. *ANEMONE FLACCIDA* Fr. Schmidt Ranunculaceae.

No. 2. 'Nirin-so'. Foot of Sogakusan, Okutama, Tokyo Prefecture. Apr. 20, 1957. Flowers white, often pinkish.

239583. *ANEMONE NIKOENSIS* Maxim.

No. 23. Ichirin-so, Takao-zan, Tokyo Prefecture. Apr. 29, 1957. Rhizomes thick; flowers white.

239584. *ANEMONE RADDEANA* Regel

No. 39. Adzuma-ichige, Otoba-gawa, Tokyo Prefecture. May 3, 1957. Rhizome medium size; flowers solitary, nodding, white.

239582 to 239620—Continued

239585. *ARISAEMA URASHIMA* Hara Araceae.

No. 8. Urashimaso, foot of Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Spathe dark purple striped.

239586. *CHRYOSPLENIUM SPHAEROSPERMUM* Maxim. Saxifragaceae.

No. 14. Kogane-nekono Me-so. Damp, sunny places on the northern side of Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Hairly, deep green perennial; stalks short; leaves opposite; flowers crowded, yellow.

239587. *CONANDRON RAMONDIOIDES* Sieb. & Zucc. Gesneriaceae.

No. 12. Iwa-tabako. Along path to Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Stems short, brown, hairy; leaves few, large, oval, shiny; flowers purple, nodding.

239588. *DEINANTHE BIFIDA* Maxim. Saxifragaceae.

No. 32. Gimbai-so. Along Otabagawa River, Tokyo Prefecture. May 3, 1957. Stems high, hairy; leaves opposite; flowers white, in cymose umbels.

239589. *DISPORUM SMILACINUM* A. Gray Convallariaceae.

No. 29. Semi-shady woods, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Perennial; flowers pale yellow, nodding.

239590. *EPIMEDIUM MACRANTHUM* var. *VIOLACEUM* Franch. Berberidaceae.

No. 1. Ikariso. Foot of Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Perennial; flowers pale purple, nodding, in loose racemes.

239591. *ERYTHRONIUM JAPONICUM* Makino Liliaceae. **Dogtooth violet.**

No. 16. Katakuri. Northern side of Koburi-toge, Saitama Prefecture. Apr. 22, 1957. Leaves broadly ovate, fleshy, brownish-purple mottled.

239592. *HYLOMECON JAPONICA* (Thunb.) Prantl Papaveraceae.

No. 36. Valley of Otaba-mura, Tokyo Prefecture. May 3, 1957. Perennial, stem more or less succulent; flowers yellow.

239593. *IRIS JAPONICA* Thunb. Iridaceae.

Fringed iris.

No. 19. Shaga. Koburi-toge, Kuro-yama, Saitama Prefecture. Apr. 22, 1957. Evergreen perennial; leaves linear, deep green; flowers pale blue.

239594. *ISOPYRUM DICARPON* Miq. Ranunculaceae.

No. 15. Saba-no-wo. Northern side of Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Leaves radical, long stalked; flowers small, pale yellowish-white.

239595. *GERBERA ANANDRIA* (L.) Sch.-Bip. Asteraceae.

No. 3. Murasaki-tampo. Sogaku-san, Okitama, Tokyo Prefecture. Apr. 20, 1957. Small perennial; leaves radical, irregularly cut, woolly underneath; flowers few, white or purple.

239596. *LYSIMACHIA ACROADEMIA* Maxim. Primulaceae.

No. 26. Miyama-tagebo. Moist wood, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Stems erect, purple spotted, hairless; flowers in long racemes, whitish.

239597. *OMPHALODES JAPONICA* Maxim. Boraginaceae.

No. 27. Gama-ruriso. Humid slopes, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Leaves radical, broad, hairy; flowers pink, turning blue.

239598. *OXALIS JAPONICA* Franch. & Sav. Oxalidaceae.

No. 30. Miyama-katabami. Shady woods, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Flowers solitary, large, white.

239599. *POLYGONATUM FALCATUM* A. Gray Convallariaceae.

No. 28. Naruko-yuri. Partly shaded woods, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Leaves gradually tapering towards apex; flowers axillary, white.

239582 to 239620—Continued

239600. *SEDUM SUBTILE* Miq. Crassulaceae. **Stonecrop.**

No. 17. Hime-enge. Along streams, Kuroyama, Saitama Prefecture. Apr. 22, 1957. Flowers bright yellow.

239601. *CHLORANTHUS JAPONICUS* Siebold Chloranthaceae.

No. 31. Hitori-shidzuka. Valley of Otabagawa, Tokyo Prefecture. May 3, 1957. Rhizomes knotty; stem erect, glabrous, fleshy; leaves at end of stem; flowers small, white, naked.

239602. *TRICYRTIS HIRTA* Hook. Melanthiaceae. **Hairy toadlily.**

No. 18. Hototogisa. Kuroyama, Saitama Prefecture. Apr. 22, 1957. Hardy perennial, hairy throughout; leaves alternate, oblong; flowers white with purple dots.

239603. *TRICYRTIS LATIFOLIA* Maxim. **Toadlily.**

No. 40. Tamagawa-hototogi. Along streams, valley of the Kawanoridani, Tokyo Prefecture. May 3, 1957. Flowers yellow with brown spots.

239604. *TRICYRTIS MACROPODA* Miq. **Speckled toadlily.**

No. 20. Yama-hoto-togi. Shady woods near Koburi-toge, Saitama Prefecture. Apr. 22, 1957. Lower leaves pale green with dark spots; flowers small.

239605. *TRILLIUM SMALLII* Maxim. Convallariaceae. **Woodlily.**

No. 9. Enrei-so. Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Flowers tinged dark-purple.

239606. *TRILLIUM TSCHONOSKII* Maxim. **Woodlily.**

No. 10. Miyama-enreiso. Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Petals white, sharply pointed; berry large, green, sweet.

239607. *VERONICA MIQUELIANA* Nakai Scrophulariaceae. **Speedwell.**

No. 35. Kuwagata-so. Valley of the Otaba-gawa, Tokyo Prefecture. May 3, 1957. Stems hairy; leaves oblong-ovate; flowers pinkish, in short racemes.

239608. *VIOLA BISSETHI* Maxim. Violaceae. **Violet.**

No. 6. Nagaha-no-sumiresaishin. Shady slopes on Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Leaves long stalked, thick; flowers pale purple, large; lower petal purple striped.

239609. *VIOLA EIZANENSIS* Makino **Violet.**

No. 11. Eizan-sumire. Tsuma-zakatoge, Saitama Prefecture. Apr. 21, 1957. Flowers large, pale-pinkish, faintly fragrant.

239610 and 239611. *VIOLA GRYPOCERAS* A. Gray **Violet.**

239610. No. 4. Yaku-sumire. Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Flowers pale purple, white center, odorless.

239611. No. 5. Akasuyi-yabusumire. Slopes on Sagaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Purplish-red along veins.

239612. *VIOLA MAXIMOWICZIANA* Makino **Violet.**

No. 22. Komiya-sumire. Takaozan, Tokyo Prefecture. Apr. 29, 1957. Leaves long, tinged with purple; flowers small, white.

239613. *VIOLA OKUBOI* Makino **Violet.**

No. 21. Kemaruba-sumire. Takaozan, Tokyo Prefecture. Apr. 29, 1957. Flowers white, odorless.

239614. *VIOLA ROSSII* Hemsl. **Violet.**

No. 7. Akebono-sumire. High on Sogaku-san, Okutama, Tokyo Prefecture. Apr. 20, 1957. Flowers pale reddish-purple, odorless.

239582 to 239620—Continued**239615.** *VIOLA SIEBOLDII* Maxim.**Violet.**

No. 33. Fumoto-sumire. Sunny margin of woods, Tokyo Prefecture. May 3, 1957. Small form; leaves green, often variegated above, pinkish-purple beneath; flowers small, white and odorless.

239616. *VIOLA VERECUNDA* A. Gray**Violet.**

No. 25. Nyoi-sumire. Takaozan, Tokyo Prefecture. Apr. 29, 1957. Flowers small, white; flower petal purple and striped.

239617. *VIOLA YEZOENSIS* Maxim.**Violet.**

No. 13. Hikage-sumire. Northern side of Tsumazaka-toge, Saitama Prefecture. Apr. 21, 1957. Flowers large, white, lower petal purple-striped.

239618. *WASABIA TENUIS* (Miq.) Matsum. Brassicaceae.

No. 24. Yuri-wasabi. Wet slopes, Takaozan, Tokyo Prefecture. Apr. 29, 1957. Flowers in long racemes, small, white.

239619. *WASABIA WASABI* Makino

No. 34. Wasabi. Between stones with clear running water of constant temperature, valley of the Otaba River, Tokyo Prefecture. May 3, 1957. Perennial; rhizome thick, pungent; leaves nearly orbicular, thin; flowers in long racemes, white.

239620. *LOPHANTHUS* sp. Menthaceae.

No. 38. Rashomon-kadzura. Valley of the Otaba-gawa, Tokyo Prefecture. May 3, 1957. Flowering stem erect, hairy; flowers large, deep blue.

239621 to 239632.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 13, 1957.

239621. *CITRUS PARADISII* Macfad. Rutaceae.**Grapefruit.**

Col. No. 680. Ambuntin on Sepik River. Apr. 7, 1957.

239622. *CITRUS* sp.

Col. No. 667. Near Patwi, on Sepik River. Apr. 7, 1957.

239623 to 239632. *SACCHARUM ROBUSTUM* Brandes & Jesw. Poaceae.**Sugarcane.**

Collected Apr., 1957.

239623. Col. No. 690. Upper Sepik River, near Telfomin.**239624.** Col. No. 697. Lumi.**239625.** Col. No. 701. Tadj. Sepik type; yellow, waxy.**239626.** Col. No. 713. Nandugl. Mottled stem.**239627.** Col. No. 723. Giruva River, about 7 miles from Popendetta.**239628.** Col. No. 724. Baiyer River.**239629.** Col. No. 725. Baiyer River.**239630.** Col. No. 733. Tari.**239631.** Col. No. 734. Tari.**239632.** Col. No. 737. Tari. Striped form.**239633.** *ALLIUM CEPA* L. Liliaceae.**Common onion.**

From Iran. Seeds presented by the United States Operations Mission, Tehran. Received May 13, 1957.

'Kashan'. Grown in Varammin, Ministry of Agriculture Station, near Tehran; seeds originally from Kashan.

239634. CITRUS LIMON (L.) Burm. f. Rutaceae. Lemon.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 13, 1957.

Col. No. 705. Native gardens, Nondugl. Apr. 17, 1957. Fruit about the size of baseball; rind very thick.

239635. CEIBA PENTANDRA (L.) Gaertn. Bombacaceae. Kapok.

From Pakistan. Seeds presented by the International Cooperation Administration, United States Embassy, Karachi. Received May 13, 1957.

239636 to 239663.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 13, 1957.

Collected April 1947.

239636. MICROSTEGIUM CILIATUM (Trin.) A. Camus Poaceae.

Col. No. 658. Near Maprik, Sepik District.

239637. DICHANTHIUM SERICEUM (R. Br.) A. Camus Poaceae.

Col. No. 673. Edge of forest stream near Telefomin, Sepik District.

239638. CAPILLIPEDIUM PARVIFLORUM (R. Br.) Stapf Poaceae.

Col. No. 683. Telefomin, Sepik District.

239639. CHRYSOPOGON ACICULATUS (Retz.) Trin. Poaceae.

Col. No. 648. Dagua. On airfield and lawns.

239640 to 239642. COIX LACRYMA-JOBI L. Poaceae

Jobs-tears.

239640. Col. No. 643. Near Weroack.

239641. Col. No. 675. Edge of stream near Telefomin, Sepik District.

239642. Col. No. 676. Edge of stream near Telefomin, Sepik District.

239643. DIMERIA CILIATA Merrill Poaceae.

Col. No. 671. Telefomin, Sepik District.

239644. EULALIA LEPTOSTACHYS (Pilger) Henr. Poaceae.

Col. No. 657. Near Maprik.

239645. GOSSYPIUM sp. Malvaceae.

Col. No. 664. Native garden near Maprik. Tall, native type.

239646 and 239647. IMPERATA EXALTATA (Roxb.) Brongn. Poaceae.

239646. Col. No. 651. Dagua.

239647. Col. No. 672. Open grassland in Telefomin.

239648. ISCHAEMUM ARISTATUM L. Poaceae.

Col. No. 654. Yambi.

239649. ISCHAEMUM DIGITATUM Brongn. Poaceae.

Col. No. 655. Yambi.

239650. ISCHAEMUM ARISTATUM L.

Col. No. 665. About 8 miles from Maprik. Forage type.

239651 and 239652. ISCHAEMUM DIGITATUM Brongn.

239651. Col. No. 670. Near Telefomin, Sepik District.

239652. Col. No. 679. Ambunti on Sepik River.

239653. JUSSIAEA sp. Onagraceae.

Col. No. 685. Moist edge of stream near Telefomin, Sepik District.

239636 to 239663—Continued**239654.** *NICOTIANA TABACUM* L. Solanaceae.

Col. No. 644. Native garden near Wewack.

239655. *NICOTIANA TABACUM* L.

Col. No. 661. Native garden near Maprik. Native tobacco.

239656. *OPHIURUS EXALTATUS* (L.) Kuntze Poaceae.

Col. No. 646. Common roadside plant near Dagua.

239657. *PENNISETUM* sp. Poaceae.

Col. No. 647. Near Dagua. Plant 10 feet high.

239658. *PENNSITEUM* sp.

Col. No. 674. Edge of stream near Telefomin, Sepik District. Plant about 10 feet high; purple form.

239659. *POLYTOCA MACROPHYLLA* Benth. Poaceae.

Col. No. 660. Edge of native gardens and roadsides near Maprik.

239660. *RHODODENDRON HANSEMANII* Warb. Ericaceae.

Col. No. 678. Hillside near Telefomin, Sepik District.

239661 and 239662. *SORGHUM NITIDUM* (Vahl) Pers. Poaceae.**239661.** Col. No. 649. Near Dagua.**239662.** Col. No. 662. Grasslands near Maprik.**239663.** *UVARIA* sp. Annonaceae.

Col. No. 677. Near Telefomin, Sepik District. Ornamental fruits.

239664 and 239665. *CITRUS AURANTIFOLIA* (Christm.) Swingle
Rutaceae. **Lime.**From Morocco. Seeds presented by the Institut Francais de Recherches
Fruitieres, Institut des Fruits et Agrumes Coloniaux, Rabat. Received
May 13, 1957.

Dwarf form originally from Reunion.

239664. No. 1.**239665.** No. 2.**239666.** *STRANVAESIA NUSSIA* (Buch.-Ham.) Dene. Malaceae.From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant
Introduction Section, Crops Research Division, Beltsville, Md. Received
May 14, 1957.Col. No. 3905. Villa Elena, Pallanza, Lake Maggiore. May 8, 1957. Tree
40 feet high with single trunk; branched above; flowers white.**239667 to 239673.**From India. Seeds presented by the Central Rice Research Institute, Cuttack,
Orissa. Received May 1, 1957.**239667.** *ORYZA AUSTRALIENSIS* Domin Poaceae.**Rice.****239668.** *ORYZA GRANULATA* Nees & Arn.**Rice.****239669.** *ORYZA RIDLEYI* Hook. f.**Rice.****239670 and 239671.** *ORYZA SATIVA* var. *FATUA* Prain**Rice.****239670.** Single plant; erect type.**239671.** Heterozygous.**239672 and 239673.** *ORYZA SATIVA* L. Poaceae.**Rice.****239672.** Acc. 852.**239673.** Acc. 3776.

239674 to 239686.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 14, 1957.

Collected at Villa Taranto, Lake Maggiore, Palanza, May 6, 1957. Material received as cuttings unless otherwise stated.

239674. *ACER ACUMINATUM* Wall. Aceraceae.

Maple.

Col. No. 3895. Deciduous tree to 20 feet high; leaves 3-lobed, to 4 inches long.

239675. *BUDDLEIA COLVILEI* Hook. f. Loganiaceae.

Butterflybush.

Col. No. 3901. Hardy, large shrub, sometimes 50 feet high; flowers rose.

239676. *CAVENDISHIA ACUMINATA* (Hook.) Benth. Vacciniaceae.

Col. No. 3891. Evergreen shrub to 10 feet high; branches pendulous; leaves lanceolate to ovate, to 3 inches long; flowers bright red, tubular, the lobes green.

239677. *DIERAMA PULCHERRIMUM* (Hook. f.) Baker Iridaceae.

Col. No. 3900. Plant to 5 feet high; leaves basal, to 20 inches long; flowers stiff, at the ends of pendulous peduncles, white, pink or purple. (Corms.)

239678. *EMMENOPTERYS HENRYI* Oliv. Rubiaceae.

Col. No. 3890. Deciduous tree; leaves about 8 inches long, 4 inches wide, oval or ovate. (Described by collectors of Chinese plants as one of the most beautiful of flowering trees.)

239679. *FORTUNARIA SINENSIS* Rehrd. & Wils. Hamamelidaceae.

Col. No. 3894. Deciduous shrub to 15 feet high.

239680. *GARDENIA ROTHMANNIA* L. f. Rubiaceae.

Col. No. 3892. Small evergreen tree or large shrub to 15 feet high; leaves to 3 inches long, hairy; flowers white, fragrant. (Plant.)

239681. *KNIPHOFIA* sp. Liliaceae.

Col. No. 3897. Herbaceous perennial with creamy yellow flowers. (Plants.)

239682. *NARCISSUS POETICUS* var. *VERBANENSIS* Herb. Amaryllidaceae.

Col. No. 3898. Meadows. Evergreen shrub to 10 feet high; flowers yellow. (Bulbs.)

239683. *OSMANTHUS FRAGRANS* Lour. Oleaceae.

Col. No. 3896. 'Aurantiacus'. Evergreen shrub to 10 feet high; flowers yellow, fragrant.

239684. *PAULOWNIA FORTUNEI* (Seem.) Hemsl. Scrophulariaceae.

Col. No. 3893. Deciduous tree to 40 feet high; flowers large, light lavender, spotted.

239685. *PLECTRANTHUS CILIATUS* E. Mey. Menthaceae.

Col. No. 3889. Herbaceous perennial; leaves purple beneath, green above.

239686. *PARADISEA LILIASTRUM* (L.) Bertol. Liliaceae.

Col. No. 3899. Perennial; roots tuberous; flowers white. (Plants.)

239687. DIOSCOREA sp. Dioscoreaceae.

From the United States. Seeds collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 15, 1957.

Collected in Maryland.

239688. PIPER METHYSTICUM Forst. Piperaceae. Kava pepper.

From Indonesia. Cuttings presented by Balai Penjelidikan Tehnik, Pertanian, Bogor. Received May 15, 1957.

239689 to 239692. IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.

From New Zealand. Seeds presented by the Crops Research Division, Vegetable Station, Auckland. Received May 15, 1957.

239689. 'Houhere'.

239691. 'Rekamaroa'.

238690. 'Hutihuti'.

239692. 'Taputini'.

239693 to 239701. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From Switzerland. Seeds presented by the Swiss Experimental Station for Agriculture, Zurich. Received May 15, 1957.

239693. No. 130. Biglen/Kt. Bern Mattenkleee.

239694. No. 144. Dudingén/Kt. Freiburg Mattenkleee.

239695. No. 145. Hessighofen/Kt. Solothurn Mattenkleee.

239696. No. 150. Ringwil/Kt. Zurich Mattenkleee.

239697. No. 153. Lenzburg/Kt. Aargau Mattenkleee.

239698. No. 155. Leisi-Wagenburg/Kt. Zurich Mattenkleee.

239699. 206/15 IV. Alt. St. Johann/Kt. St. Gallen.

239700. 207/3 III. Riggisberg/Kt. Bern.

239701. 207/7 III. Stilli/Kt. Aargau.

239702. SYMPLOCOS LUCIDA Sieb. & Zucc. Symplocaceae. Sweetleaf.

From Japan. Seeds collected by J. L. Creech, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Dec. 18, 1956. Numbered May 16, 1957.

Col. No. 747. Furuta National Forest, Tanegashima. Dec. 3, 1956.

239703. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.

From Portugal. Seeds presented by Morris Mandelowitz, Brooklyn, New York. Received May 16, 1957.

239704 and 239705.

From Thailand. Seeds presented by the International Cooperation Administration, Bangkok. Received May 17, 1957.

239704. STIZOLOBIUM sp. Fabaceae.

239705. VIGNA CYLINDRICA (L.) Skeels Fabaceae.

Catjang cowpea.

239706 to 239708.

From Turkey. Seeds presented by Professor Vamik Taysi, Ziraat Fakultesi Dekanlig, Izmir. Received May, 1957.

239706. CARTHAMUS sp. Asteraceae.

No. 2487.

239707. CARTHAMUS sp.

No. 2488.

239708. CARTHAMUS sp.

No. 2489.

239709 to 239855.

From Italy. Seeds presented by the Plant Production Branch, Food and Agriculture Organization of the United Nations, Rome. Received May 17, 1957. Localities given are F.A.O. sources.

239709 and 239710. AGROPYRON BUONAPARTIS (Spreng.) Dur. & Schinz. Poaceae. Wheatgrass.

239709. No. 3756. Cuckhan, Iran.

239710. No. 3760. Teheran, Iran.

239709 to 239855—Continued

239711 and 239712. *AGROPYRON ORIENTALE* (L.) Roem. & Schult. **Wheatgrass.**

239711. No. 3741. Miani, Iran.

239712. No. 3757. Chuchan, Iran.

239713 to 239716. *BRACHYPODIUM DISTACHYON* (L.) Beauv. *Poaceae.*
Purple falsebrome.

239713. No. 3687. Kalafabad, Iran.

239714. No. 3726. Kaschwar, Iran.

239715. No. 3736. Susa, Iran.

239716. No. 3738. Shahbazan, Iran.

239717. *BROMUS DANTHONIAE* Trin. *Poaceae.*
Brome.

No. 3786. Afghanistan.

239718 to 239721. *BROMUS JAPONICUS* Thunb. **Brome.**

239718. No. 3712. Shemiran, Iran.

239719. No. 3720. Awan, Iran.

239720. No. 3750. Soma, Iran.

239721. No. 3753. Gorgan, Iran.

239722. *BROMUS MADRITENSIS* L. **Spanish brome.**

No. 3729. Susa, Iran.

239723. *BROMUS RACEMOSUS* L. **Bald brome.**

No. 3713. Damagh, Iran.

239724. *HAYNALDIA VILLOSA* (L.) Schur. *Poaceae*

No. 3636. Levadia, Greece.

239725. *KOELERIA PHLEOIDES* (Vill.) Pers. *Poaceae.*

No. 3784. Kunduz, Afghanistan.

239726 to 239729. *LOLIUM PERSICUM* Boiss. & Hohen. *Poaceae.* **Ryegrass.**

239726. No. 3691. Karadj, Iran.

239727. No. 3714. Hamadan, Iran.

239728. No. 3739. Miani, Iran.

239729. No. 3744. Koshk Sarag, Iran.

239730 to 239798. *LOLIUM RIGIDUM* Gaud. **Wimmera ryegrass.**

239730. No. 3011. Ros-el-Kekma, Egypt.

239731. No. 3016. Fouka, Egypt.

239732. No. 3017. Fouka, Egypt.

239733. No. 3022. Morphou, Cyprus.

239734. No. 3037. Zangaria, Israel.

239735 to 239740. From Libya.

239735. No. 3045. Madelina Cyrenaica.

239736. No. 3065. Madelina Cyrenaica.

239737. No. 3071. El Bid, Cyrenaica.

239738. No. 3075. Toera Pass, Cyrenaica.

239739. No. 3084. Sidi Rahamu, Cyrenaica.

239740. No. 3094. Tarhuna, Tripolitania.

239741 to 239762. From Algeria.

239741. No. 3100. Maison-Carree.

239709 to 239855—Continued**239730 to 239798—Continued****239741 to 239762—Continued**

- 239742. No. 3102. Maison-Carree.
- 239743. No. 3118. Kolea.
- 239744. No. 3132. El Affroun.
- 239745. No. 3149. Lavaronde.
- 239746. No. 3153. Orleansville.
- 239747. No. 3154. Orleansville.
- 239748. No. 3166. Relizane.
- 239749. No. 3177. Tiaret.
- 239750. No. 3180. Louhou.
- 239751. No. 3186. Ainkermes.
- 239752. No. 3199. Berthelot.
- 239753. No. 3238. Bough-zoul.
- 239754. No. 3240. Bough-zoul.
- 239755. No. 3243. Brazza.
- 239756. No. 3256. M'Sila.
- 239757. No. 3263. Ampers.
- 239758. No. 3265. Ras el Aioun.
- 239759. No. 3273. Lambese.
- 239760. No. 3281. Ain Yagout.
- 239761. No. 3288. Le Kroubs.
- 239762. No. 3310. St. Charles.

239763 to 239781. From Morocco.

- 239763. No. 3333. Tamanor.
- 239764. No. 3338. Za Sidi Rehal.
- 239765. No. 3353. Marrakech.
- 239766. No. 3356. Tiddli.
- 239767. No. 3359. Tizi Bou Tafouk.
- 239768. No. 3362. Marrakech.
- 239769. No. 3390. Ait Ourir.
- 239770. No. 3407. Marrakech.
- 239771. No. 3224. Skhour Des Rehamna.
- 239772. No. 3454. Ferme Bouanik.
- 239773. No. 3461. Karia Ben Aouda.
- 239774. No. 3465. Sidi Yahya da Rharb.
- 239775. No. 3469. Merdja Bokka.
- 239776. No. 3470. Merdja Bokka.
- 239777. No. 3475. Skoura.
- 239778. No. 3476. Skoura.
- 239779. No. 3483. Ifrane.
- 239780. No. 3490. Azrou.
- 239781. No. 3497. Ito.

239709 to 239855—Continued**239730 to 239798—Continued**

239782 to 239791. From Portugal.

239782. No. 3509. Village Peques.

239783. No. 3514. Setubal.

239784. No. 3518. Alcacer do Sol.

239785. No. 3526. Sao Bartolomew.

239786. No. 3530. Fereeiro do Alentejo.

239787. No. 3536. Olhao.

239788. No. 3540. Vila Nova de Cacela.

239789. No. 3541. Montihyo.

239790. No. 3547. Algodor.

239791. No. 3563. Elvas Plant Breeding Station.

239792. No. 3632. Levadia, Greece.

239793. No. 3666. Igoumenitsa, Greece

239794. No. 3686. Kalafabad, Iran.

239795. No. 3688. Mosj.-Gol, Iran.

239796. No. 3730. Susa, Iran.

239797. No. 3731. Ahwaz, Iran.

239798. No. 3733. Ahwaz, Iran.

239799 and 239800. *LOLIUM TEMULENTUM* L.

Darnel.

239799. No. 3719. Bisotoon, Iran.

239800. No. 3755. Gorgan, Iran.

239801 to 239803. *LOLIUM TEMULENTUM* var. *MUTICUM* Coss. & Germ.

Ryegrass.

239801. No. 3727. Ahwaz, Iran.

239803. No. 3728. Ahwaz, Iran.

239803. No. 3736. Khaken River, Iran.

239804 and 239805. *LOLIUM MULTIFLORUM* Lam.

Italian ryegrass.

239804. No. 3106. El Biar, Iran.

239805. No. 3144. Miliana, Algeria.

239806 to 239824. *PHALARIS BRACHYSTACHYS* Link Poaceae. **Canarygrass.**

239806. No. 3026. Nigdal-Ashkalon, Israel.

239807. No. 3032. Safia, Israel.

239808. No. 3059. Cyrene, Cyrenaica, Libya.

239809. No. 3060. Experiment Farm Saf-Saf, Cyrenaica, Libya.

239810. No. 3080. Barce, Cyrenaica, Libya.

239811 to 239821. From Algeria.

239811. No. 3101. Maison-Carree.

239812. No. 3134. El Affroun.

239813. No. 3159. Charon Alger.

239814. No. 3175. Tiaret.

239815. No. 3211. Bonnier Village.

239816. No. 3234. Berrouaghia.

239709 to 239855—Continued**239806 to 239824—Continued****239811 to 239821—Continued**

239817. No. 3242. Brazza.

239818. No. 3246. Bouira.

239819. No. 3289. Regada.

239820. No. 3298. Bone.

239821. No. 3320. Macdonald.

239822. No. 3351. Marrakech, Morocco.

239823. No. 3392. Valley of Oued Zatt, Morocco.

239824. No. 3460. Karia Ben Aouda, Morocco.

239825 to 239844. PHALARIS MINOR Retz. Poaceae.**Littleseed canarygrass.**

239825. No. 3006. Tripoli, Tripolitania.

239826. No. 3028. Gilot Experiment Station, Israel.

239827 to 239832. From Algeria.

239827. No. 3104. El Biar.

239828. No. 3133. El Affroun.

239829. No. 3142. El Affroun.

239830. No. 3167. Relizane.

239831. No. 3183. Frenda.

239832. No. 3241. Boughzoul.

239833 to 239841. From Morocco.

239833. No. 3334. Tamanar.

239834. No. 3337. Rasel Ain.

239835. No. 3339. Ya Sidi Rehal.

239836. No. 3350. Marrakech.

239837. No. 3368. Ijoukak.

239838. No. 3389. Oued Rhomas.

239839. No. 3406. Marrakech.

239840. No. 3446. Oulad Teima.

239841. No. 3478. Skowa, Sidi Mahyo Farm.

239842. No. 3529. Ferreira do Alentejo, Portugal.

239843. No. 3566. Elvas Plant Breeding Station, Portugal.

239844. No. 3678. Tor Mancina, Italy.

239845 to 239854. PHALARIS PARADOXA L.**Hood canarygrass.**

239845. No. 3019. Nicosia, Cyprus.

239846 to 239853. From Algeria.

239846. No. 3099. Maison-Carree.

239847. No. 3105. Maison-Carree.

239848. No. 3131. El Affroun.

239849. No. 3141. Affreville.

239850. No. 3196. Sidi-bel-Abbes.

239851. No. 3210. Bonnier.

239709 to 239855—Continued**239845 to 239854—Continued****239846 to 239853—Continued****239852.** No. 3236. Berrouaghia.**239853.** No. 3295. Oved Zenati.**239854.** No. 3352. Marrakech, Morocco.**239855.** *DIPLOTAXIS ERUCOIDES* DC. Brassicaceae.

No. 3732. Hossein Abad, Iran.

239856 and 239857.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 20, 1957.

239856. *LEERISA* sp. Poaceae.

Col. No. 684. Telefomin. Apr. 11, 1957. Perennial.

239857. *EULALIA TRISPICATA* (Schult.) Hern. Poaceae.

Col. No. 652. Yambi. Apr. 3, 1957. Perennial.

239858 to 239927.

From Italy. Seeds presented by the Plant Production Branch, Agricultural Division, Food and Agriculture Organization, Rome. Received May 20, 1957.

Localities given are F.A.O. sources.

239858. *ANTHYLLIS TETRAPHYLLA* L. Fabaceae.

No. 3562. Elvas Plant Breeding Station, Portugal.

239859 and 239860. *CICER ARIETINUM* L. Fabaceae.**Chickpea.****239859.** No. 3812. Teheran, Iran.**239860.** No. 3813. Teheran, Iran.**239861 and 239862.** *HEDYSARUM PALLIDUM* Desf. Fabaceae.**Sweetvetch.****239861.** No. 3614. El Alem, Tunisia.**239862.** No. 3826. El Alem, Tunisia.**239863.** *HEDYSARUM FLEXUOSUM* L.**Sweetvetch.**

No. 3463. Karia Ben Aouda, Morocco.

239864. *HEDYSARUM SPINOSISSIMUM* L.**Sweetvetch.**

No. 3615. Kasserine, Tunisia.

239865 to 239867 *LATHYRUS SATIVUS* L. Fabaceae.**Grass peavine.****239865.** No. 3806. Hamadan, Iran.**239866.** No. 3807. Damaq, Iran.**239867.** No. 3809. Hamadan, Iran.**239868.** *MEDICAGO LACINIATA* (L.) Mill. Fabaceae.**Medic.**

No. 3445. Tagragra, Morocco.

239869. *MEDICAGO MUREX* Willd.**Medic.**

No. 3301. Bone, Algeria.

239870 to 239881. *MEDICAGO TRIBULOIDES* Desr.**Barrel medic.****239870.** No. 3005. Tagragra, Morocco.**239871.** No. 3057. El Baida, Cyrenaica.**239872.** No. 3077. Barce, Cyrenaica.

239858 to 239927—Continued**239870 to 239881—Continued**

- 239873. No. 3109. Bouzarea, Algeria.
- 239874. No. 3155. Orleansville, Algeria.
- 239875. No. 3184. Frenda, Algeria.
- 239876. No. 3280. Ain Yagout, Algeria.
- 239877. No. 3345. Amizmiz, Morocco.
- 239878. No. 3363. Marrakech, Morocco.
- 239879. No. 3420. Djebilet, Morocco.
- 239880. No. 3567. Campo Maior, Portugal.
- 239881. No. 3833. Tor Moncina Plots, Italy.

239882 to 239888. MEDICAGO TURBINATA (L.) All.**Medic.**

- 239882. No. 3056. El Baida, Cyrenaica.
- 239883. No. 3078. Barce, Cyrenaica.
- 239884. No. 3285. Ouled Rhamoun, Algeria.
- 239885. No. 3346. Amizmiz, Morocco.
- 239886. No. 3409. Agaiouar, Morocco.
- 239887. No. 3410. Agaiouar, Morocco.
- 239888. No. 3459. Karia Ben Aouda, Morocco.

239889. SCORPIURUS MURICATA L. Fabaceae.**Scorpiontail.**

- No. 3828. Tor Moncina, Italy.

239890. TRIFOLIUM PALLIDUM Waldst. & Kit. Fabaceae.**Clover.**

- No. 3116. Kolea, Algeria.

239891 to 239898. TRIFOLIUM RESUPINATUM L.**Persian clover.**

From Iran.

- 239891. No. 3692. Isfahannak.
- 239892. No. 3693. Gaveharokh.
- 239893. No. 3695. Tonderan.
- 239894. No. 3701. Eskon.
- 239895. No. 3721. Dgarabad.
- 239896. No. 3762. Teheran.
- 239897. No. 3767. Abali-Firuski.
- 239898. No. 3829. Abali-Firuski.

239899 to 239910. TRIFOLIUM SUBTERRANEUM L.**Subterranean clover.**

- 239899. No. 3108. Bouzarea, Algeria.
- 239900. No. 3304. Auribeau, Algeria.
- 239901. No. 3458. Karia Ben Aouda, Morocco.

239902 to 239910. From Portugal.

- 239902. No. 3527. Ferreira do Alentejo.
- 239903. No. 3552. Beja.
- 239904. No. 3570. Arronches.
- 239905. No. 3571. Arronches.
- 239906. No. 3574. Castelo de Vide.

239858 to 239927—Continued**239899 to 239910—Continued****239902 to 239910—Continued**

239907. No. 3577. Alpedrinha.

239908. No. 3583. Fundao.

239909. No. 3605. Ramada.

239910. No. 3830. Fundao.

239911 and 239912. *TRIGONELLA POLYCEPATA* L. Fabaceae.

239911. No. 3788. Afghanistan.

239912. No. 3379. Talate Auamane, Morocco.

239913 to 239917. *VICIA ERVILIA* (L.) Willd. Fabaceae.**Bittervetch.**

From Iran.

239913. No. 3799.

239916. No. 3802. Nehavand.

239914. No. 3800. Aran.

239917. No. 3805. Karaj.

239915. No. 3801. Nehavand.

239918. *VICIA MONANTHA* Retz.**Bard vetch.**

No. 3239. Bough-zoul, Algeria.

239919 to 239925. *VICIA SATIVA* L.**Common vetch.**

From Iran.

239919. No. 3789. Isfahan.

239920. No. 3790. Isfahan.

239921. No. 3791. Isfahan.

239922. No. 3792. Golpaigon.

239923. No. 3793. Hamadan.

239924. No. 3795. Firuskuh Cross Roads.

239925. No. 3796. Borujerd.

239926. *VICIA VILLOSA* Roth**Hairy vetch.**

No. 3797. Firuskuh Cross Roads, Iran.

239927. *VICIA* sp.

No. 3617. Eskisehir, Turkey.

239928 to 239933.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer. Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 21, 1957.

From the Botanical Garden, University of Pavia. May 11, 1957

239928. *PACHYSTROMA LONGIFOLIUM* (Nees) I. M. Johnst. Euphorbiaceae

Col. No. 3911. Large evergreen shrub; leaves hollylike, to 5 inches long, spiny.

239929. *CORYLUS AVELLANA* L. Betulaceae.**Filbert.**

Col. No. 3910. 'Heterophylla'. Much-branched shrub; leaves oaklike, divided.

239930. *HEDERA CANARIENSIS* Willd. Araliaceae.**Ivy.**

Col. No. 3915. 'Arborescens Variegata'. Climbing evergreen vine; mature foliage white-variegated.

239931. *LIGUSTRUM AMURENSE* Carr. Oleaceae.**Privet.**

Col. No. 3914. 'Pendulum'. Branches weeping.

239928 to 239933—Continued**239932.** *LIGUSTRUM DELAVAYANUM* Hariot**Privet.**

Col. No. 3913. Evergreen shrub to 10 feet high; flowers white.

239933. *ROYENA LUCIDA* L. Diospyraceae.

Col. No. 3912. Large evergreen shrub; leaves to 2 inches long, ovate; flowers yellowish to white.

239934. *AGAVE* sp. Amaryllidaceae.

From Mexico. Plant collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 20, 1957.

Col. No. 16436. Tehuantepec, Oaxaca.

239935 to 239940.

From Denmark. Seeds presented by Kai Larsen, Copenhagen. Received May 21, 1957.

239935. *INDIGOFEA* sp. Fabaceae.**Indigo.**

Originally from the Botanical Garden, Hamburg, Germany.

239936 to 239940. *LOTUS PEDUNCULATUS* Cav. Fabaceae.**Big trefoil.****239936.** No. 63. Originally from Austria.**239937.** No. 77A/433. Originally from Germany.**239938.** No. 830. Originally from France.**239939.** Originally from England.**239940.** No. 92. Original source unknown.**239941 and 239942.** *GOSSYPIUM* (hybrids). Malvaceae. **Cotton.**

From the Sudan. Seeds presented by the Ministry of Agriculture, Cotton Breeding Section, Shambat, Khartoum. Received May 23, 1957.

239941. (*G. arboreum* × *G. stocksii*.)**239942.** (*G. arboreum* × *G. triphyllum*.)**239943 to 239984.**

From Italy. Seeds presented by the Plant Production Branch, Food and Agriculture Organization of the United Nations, Rome. Received May 21, 1957.

239943. *HEDYSARUM CORONARIUM* L. Fabaceae.**Sulla sweetvetch.**

No. 3613. Beja, Tunisia.

239944. *HEDYSARUM PALLIDUM* Desf.**Sweetvetch.**

No. 3284. Les Lacs, Algeria.

239945. *LOTUS MAROCCANUS* Ball Fabaceae.**Trefoil.**

No. 3004. Oualidia, Morocco.

239946 to 239952. *MEDICAGO SATIVA* L. Fabaceae.**Alfalfa.****239946.** No. 3616. Eskisehir, Turkey.**239947.** No. 3696. Isfahan, Iran.**239948.** No. 3698. Golpaygen, Iran.**239949.** No. 3706. Karadj, Iran.**239950.** No. 3764. Teheran, Iran.**239951.** No. 3770. Abali-Firusku, Iran.**239952.** No. 3782. Afghanistan.

239943 to 239984—Continued**239953 to 239956.** *MEDICAGO SATIVA* var. *GAETULA* Urban**Alfalfa.**

From Algeria.

239953. No. 3249. El Achir.

239954. No. 3261. Colbert.

239955. No. 3276. Lambese.

239956. No. 3317. Setif Experiment Station.

239957 to 239960. *ONOBRYCHIS VICIAEFOLIA* Scop. Fabaceae.**Sainfoin.**

From Iran.

239957. No. 3814. Tundarud.

239958. No. 3815. Golpaigan.

239959. No. 3816. Eskon.

239960. No. 3817. Crossroad Firuskuh.

239961 to 239967. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. **Strawberry clover.**

239961. No. 3380. Timoucha, Morocco.

239962. No. 3484. Ifrane, Morocco.

239963. No. 3607. Ramada, Portugal.

239964. No. 3658. Kerasovon, Greece.

239965. No. 3670. Arta, Greece.

239966. No. 3831. Rome, Italy.

239967. No. 3832. Danehgerd, Iran.

239968 to 239974. *TRIFOLIUM PRATENSE* L.**Red clover.**

239968. No. 3486. Immouzer, Morocco.

239969. No. 3682. Tor Mancina, Italy.

239970. No. 3600. Karadj Valley, Iran.

239971. No. 3708. Karadj, Iran.

239972. No. 3715. Canehgerd, Iran.

239973. No. 3725. Schanah, Iran.

239974. No. 3763. Teheran, Iran.

239975 to 239984. *TRIFOLIUM REPENS* L.**Whiteclover.**

239975. No. 3224. Medea, Algeria.

239976. No. 3412. Agaiousar, Morocco.

239977. No. 3516. Aguas de Moura, Portugal.

239978. No. 3584. Belmonte, Portugal.

239979. No. 3608. Ramada, Portugal.

239980. No. 3642. Koutsonfliana, Greece. Plant vigorous, spreading, leafy; medium early blooming.

239981. No. 3656. Kerasovan, Greece.

239982. No. 3716. Danehgerd, Iran.

239983. No. 3717. Danehgerd, Iran.

239984. No. 3759. Chuchan, Iran.

239985. *CITRUS MACROPTERA* Mont. Rutaceae.

From New Caledonia. Seeds presented by Felix Demene, Noumea.

Received May 23, 1957.

239986. DIOSCOREA sp. Dioscoreaceae.

From Costa Rica. Tuber collected by Jose J. Cordoba and H. B. MacPhilliams, San Isidro del General. Received May 21, 1957.

No. 366.

239987 and 239988.

From Ecuador. Plants presented by Jose Strobel, Cuenca.

Received May 31, 1957.

239987. ONCIDIUM sp. Orchidaceae.

No. 24.

239988. TELEPOGON sp. Orchidaceae.

No. 20.

239989 and 239990. CYTISUS NIGRICANS L. Fabaceae.

Spike broom.

From Great Britain. Plants presented by the Keeper's Hill Nursery, Staplehill, Wimborne, England. Received May 21, 1957.

239989. 'Albo-carneus'.

239990. 'Elongatus'.

239991 to 240009.

From Sicily. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received May 21, 1957.

Collected at the Botanical Garden, University of Palermo, Palermo, May, 1957. Cuttings unless otherwise indicated.

239991. ACANTHOPANAX TRIFOLIATUS (L.) Voss Araliaceae.

Col. No. 3924. Sprawling shrub; leaves lustrous, trifoliate; stems spiny.

239992 and 239993. ANTIRRHINUM TORTUOSUM Bosc. ex Lam.

Scrophulariaceae.

Snapdragon.

239992. Col. No. 3922. Plant shrublike to 4 feet high; leaves linear; flowers large, lavender-pink.

239993. Col. No. 3922A. Seeds of P.I. 239992.

239994. OREOPANAX XALOPENSE (H.B.K.) Deene. & Planch. Araliaceae.

Col. No. 3972. Large evergreen bush; leaves digitately compound; flowers inconspicuous, greenish-white.

239995. CHEIRANTHODENDRON PENTADACTYLON Larr. Sterculiaceae.

Col. No. 3926. Small tree; leaves platanus-like, rusty below; flowers red inside.

239996. CLERODENDRUM TOMENTOSUM R. Br. Verbenaceae.

Col. No. 3921. Large shrub; leaves ovate-lanceolate, soft pubescent; flowers white, scented.

239997. CLUSIA FLAVA Jacq. Clusiaceae.

Col. No. 3919. Evergreen tree; leaves thick, lustrous, leathery.

239998. DRACAENA REFLEXA Lam. Liliaceae.

Col. No. 3923. Large, evergreen, much-branched, dense-headed shrub; leaves lanceolate, shiny. Ornamental.

239999. CASSINE PAPILLOSA (Eck. & Zeyh.) O. Kuntze Celastraceae.

Col. No. 3928. Large evergreen bush, resembling holly; flowers small, white.

240000. FICUS GIGANTEA H.B.K. Moraceae.

Fig.

Col. No. 3917. Large deciduous tree.

239991 to 240009—Continued

240001. *FICUS HETEROPHYLLA* L. f. **Fig.**

Col. No. 3920. Small evergreen tree; leaves linear-lanceolate.

240002. *FICUS BIBRACTEATA* Miq. **Fig.**

Col. No. 3916. Evergreen tree to 50 feet high; trunk diameter three to four feet.

240003. *MALPIGHIA FUCATA* Ker. Malpighiaceae.

Col. No. 3918. Small evergreen tree or large shrub; flowers white.

240004. *CITRUS AURANTIUM* L. Rutaceae. **Sour orange.**

Col. No. 3925. Evergreen shrub to 6 feet high; berries black.

240005. *PEPEROMIA FENZELII* Regel Piperaceae.

Col. No. 3930. Erect perennial, 6 inches high; leaves 0.5 inch long, thickish.

240006. *PEPEROMIA INCANA* A. Dietr.

Col. No. 3933. Mostly erect, tomentose, succulent-stemmed perennial; leaves broadly ovate to nearly oval.

240007. *PEPEROMIA PERESKIAEFOLIA* H.B.K.

Col. No. 3932. Sprawling, procumbent perennial; stems square; leaves rhombic, whorled; veins prominent.

240008. *PEPEROMIA RUBELLA* Hook.

Col. No. 3931. Rhizomatous perennial; stems reddish; leaves whorled.

240009. *VITEX GLABRATA* R. Br. Verbenaceae.

Col. No. 3929. Shrub to 8 feet high; leaves digitately compound, lustrous.

240010 to 240027.

From France. Plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 21, 1957.

Collected at the Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, Alpes-Maritimes. May 1, 1957.

240010. *CEROPEGIA SERPENTINA* E. A. Bruce Asclepiadaceae.

Col. No. 3877. Plant succulent; branches brownish, long, whiplike.

240011. *CYNANCHUM PERRIERI* Choux Asclepiadaceae.

Col. No. 3874. Plant scrambling; stems green, naked.

240012. *EUPHORBIA BEAUMERIANA* Hook.f. & Coss. Euphorbiaceae.

Col. No. 3871. Plant succulent; ribs strong. **Spurge.**

240013. *EUPHORBIA CAERULESCENS* Haw. **Spurge.**

Col. No. 3869. Plant spiny, fleshy, succulent.

240014. *EUPHORBIA FRUTICOSA* Forsk. **Spurge.**

Col. No. 3870. Fleshy perennial covered with spines.

240015. *EUPHORBIA GOSSYSPINA* Pax **Spurge.**

Col. No. 3879. Plant succulent, erect, much-branched, leafless; stems green.

240016. *EUPHORBIA INTISY* var. *MAINTYI* (Decorse) E. H. Poiss. **Spurge.**

Col. No. 3875. Succulent, much-branched; stems green.

240017. *EUPHORBIA INTISY* Drake **Spurge.**

Col. No. 3878. Much-branched, sprawly, leafless shrub; has been exploited as a source of rubber.

240010 to 240027—Continued

- 240018.** *EUPHORBIA LARO* Drake **Spurge.**
Col. No. 3882. Plant much-branched, terete, succulent; stems green.
- 240019.** *EUPHORBIA SPLENDENS* var. *BOJERI* (Hook.) Leandri **Spurge.**
Col. No. 3888. Perennial subshrub; stems prickly; leaves 4 inches long; flowers scarlet.
- 240020.** *EUPHORBIA* sp.
Col. No. 3881. Terete, green-stemmed, succulent perennial.
- 240021.** *EUPHORBIA PHILLIPSIAE* N. E. Br. **Spurge.**
Col. No. 3872. Strongly ribbed, fleshy perennial.
- 240022.** *EUPHORBIA PTERONEURA* A. Berg. **Spurge.**
Col. No. 3880. Succulent; stems angled, pinkish-green.
- 240023.** *EUPHORBIA SIPOLISI* N. E. Br. **Spurge.**
Col. No. 3873. Plant succulent, branched from base; stems terete, often reddish.
- 240024.** *KALANCHOE MANGINII* Ham. & Perr. Crassulaceae.
Col. No. 3863. Low, decumbent succulent; flowers scarlet
- 240025.** *KALANCHOE MARNIERANA* (Mann. & Boit.) Jacobs
Col. No. 3865. Perennial succulent.
- 240026.** *KALANCHOE PUMILA* Bak.
Col. No. 3862. Sprawly perennial; leaves whitish, farinose; flowers deep lavender, showy.
- 240027.** *VOHEMARIA MESSERI* Buchenau Asclepiadaceae.
Col. No. 3876. Plant sprawling and scrambling; stems green.

240028 to 240048

From Sicily. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 22, 1957.

Collected at the Botanical Garden, University of Palermo, Palermo, unless otherwise indicated. May 17, 1957.

- 240028.** *BOURRERIA SUCCULENTA* Jacq. Boraginaceae.
Col. No. 3938. Large evergreen shrub; leaves leathery; flowers greenish.
- 240029.** *BREXIA MADAGASCARENSIS* Thour. Saxifragaceae.
Col. No. 3949. Large evergreen shrub to 20 feet high; to 8 inches long, leathery; flowers greenish-white.
- 240030.** *BUDDLEIA GRANDIFLORA* Cham. & Schlecht. Loganiaceae. **Butterflybush**
Col. No. 3944. Spreading shrub to 10 feet high.
- 240031.** *CELASTRUS DIVERSIFOLIUS* Hemsl. Celastraceae.
Col. No. 3935. Evergreen tree to 30 feet high; leaves leathery, shiny.
- 240032.** *CORDIA FRANCISCHII* Tenore Boraginaceae.
Col. No. 3939. Evergreen tree to 60 feet high, somewhat buttressed, round headed; flowers white.
- 240033.** *CYCLAMEN REPANDUM* Sibth. & Smith Primulaceae.
Col. No. 3934. Village of San Martino, west of Palermo. Corms to 3 inches in diameter; leaves white-marbled or uniformly green; flowers rose-purple, slightly fragrant.
- 240034.** *EHRETIA TINIFOLIA* L. Boraginaceae.
Col. No. 3951. Small evergreen tree; leaves leathery.

240028 to 240048—Continued

240035. *GILBERTIA CUNEATA* March Araliaceae.

Col. No. 3946. Evergreen tree to 30 feet high; flowers small, yellowish.

240036. *GRABOWSKIA LINDLEYI* Sendt. Solanaceae.

Col. No. 3945. Sprawling branched shrub; leaves glaucous.

240037. *JASMINUM CAPENSE* Thunb. Oleaceae.

Jasmine.

Col. No. 3943. Evergreen climber; leaves deep green, lustrous, to 2 inches long; flowers white.

240038. *MELODINUS SCANDENS* Forst. Apocynaceae.

Col. No. 3936. Evergreen scrambling vine.

240039. *MONETIA BARLERIOIDES* L'Herit. Salvadoraceae.

Col. No. 3937. Small evergreen tree; flowers whitish.

240040. *MYOPORUM ACUMINATUM* R. Br. Myoporaceae.

Col. No. 3947. Large evergreen bush; leaves leathery, punctate.

240041. *NOTELAEA EXCELSA* Webb. & Berth. Oleaceae.

Col. No. 3948. Much-branched, evergreen tree to 25 feet high; leaves holly-like, leathery, deep green, lustrous; fruit black, olivelike.

240042. *OLINIA CYMOSA* Thunb. Oliniaceae.

Col. No. 3950. Evergreen tree to 30 feet high; flowers white.

240043. *PIPER CELTIDIFOLIUM* Ham. Piperaceae.

Col. No. 3940. Large, much branched, evergreen shrub.

240044. *PITTOSPORUM VIRIDIFLORUM* Sims Pittosporaceae.

Col. No. 3953. Evergreen tree; leaves lustrous, deep green; flowers greenish-yellow, fragrant.

240045. *ROGIERA ELEGANS* Planch. Rubiaceae.

Col. No. 3942. Small tree; leaves to 4 inches long, 2 inches wide.

240046. *SALVIA LEONUROIDES* Gloxin Menthaceae.

Col. No. 3941. Much branched shrub to 4 feet high; foliage aromatic; flowers red.

240047. *WITHANIA ARISTATA* Pauq. Solanaceae.

Col. No. 3938a. Evergreen shrub; flowers green, small.

240048. (Undetermined.)

Col. No. 3952. Large evergreen shrub; leaves shiny; flowers chartreuse, rim of cup orange.

240049 to 240055.

From Costa Rica. Tubers presented by the United States Rubber Experiment Station, Turrialba. Received May 22, 1957.

240049. *DIOSCOREA* sp. Dioscoreaceae.

No. 1.

240050. *DIOSCOREA* sp.

No. 2.

240051. *DIOSCOREA* sp.

No. 3.

240052. *DIOSCOREA* sp.

No. 4.

240049 to 240055—Continued**240053.** *Dioscorea* sp.

No. 5.

240054. *Dioscorea* sp.

No. 6.

240055. *Dioscorea* sp.

No. 7.

240056 to 240071. *Zea mays* L. Poaceae.**Corn.**

From Spain. Seeds presented by the United States Operations Mission, Madrid.
Received May 22, 1957.

240056. 81 × 109. **240064.** 115 × 130.**240057.** 104 × 107. **240065.** 116 × 117.**240058.** 107 × 130. **240066.** 121 × 105.**240059.** 109 × 114. **240067.** 121 × 109.**240060.** 111 × 103. **240068.** 122 × 105.**240061.** 111 × 106. **240069.** 123 × 105.**240062.** 111 × 130. **240070.** 127 × 109.**240063.** 114 × 63. **240071.** 128 × 106.**240072.** *Ormosia* sp. Fabaceae.

From Canal Zone. Seeds presented by the Division of Agriculture and Natural
Resources, Balboa. Received May 23, 1957.

240073 to 240078.

From Sicily. Cuttings collected by F. G. Meyer, agricultural explorer, Plant
Introduction Section, Crops Research Division, Beltsville, Md. Received
May 23, 1957.

From the Botanical Garden, Palermo. May 18, 1957.

240073. *Centaurea verbascifolia* Vahl Asteraceae.

Col. No. 3956. Half-woody subshrub to 4 feet high; leaves to 8 inches long
and 4 inches wide, green above, white tomentose beneath; flower heads lavender.
Probably hardy in frostless regions only.

240074. *Ficus altissima* Blume Moraceae.**Lofty fig.**

Col. No. 3964. Large evergreen tree to 50 feet high.

240075. *Ficus magnolioides* Borzi**Fig.**

Col. No. 3960. Large evergreen tree to 60 feet high; stilt-roots; leaves to
8 inches long, lustrous, deep green. Ornamental.

240076. *Heteropterys chrysophylla* H. B. K. Malpighiaceae.

Col. No. 3958. Scrambling or half erect evergreen shrub; leaves shiny
green above, silvery tomentose below.

240077. *Salmea scandens* (L.) DC. Asteraceae.

Col. No. 3959. Scrambling, evergreen, twining vine; flowers all discoid.

240078. *Tarchonanthus camphoratus* L. Asteraceae.

Col. No. 3957. Large evergreen shrub; leaves green above, silvery tomen-
tose beneath; flower heads purple.

240079. *Glycine max* (L.) Merr. Fabaceae.**Soybean.**

From Japan. Seeds presented by the National Agricultural Experiment Station,
Kotoni, Sapporo. Received May 23, 1957.

6-3-1.

240080 and 240081. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From New Zealand. Seeds presented by the Scientific and Industrial Research Department, Christchurch. Received May 23, 1957.

240080. 'Aotea'. (Cross 7 × Dreadnought) × (Hofed × Cross 7.)

240081. 'Arawa'.

240082 to 240106.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 17, 1957.

Collected in May, 1957.

240082. SACCHARUM EDULE Hassk. Poaceae.

Sugarcane.

Col. No. 164. 'Taboe-telor'. Manokwari.

240083 to 240103. SACCHARUM OFFICINARUM L.

Sugarcane.

240083 to 240088. Wosi Experiment Station, Manokwari.

240083. Col. No. 155. Clone 57 NG 155.

240084. Col. No. 156

240085. Col. No. 157.

240086. Col. No. 158. 'Hangwoi'. Red Blotched.

240087. Col. No. 159. 'Hi-crom'.

240088. Col. No. 160. 'Sempeo'.

240089 to 240092. Near Wosi Experiment Station, Manokwari.

240089. Col. No. 161. Japanese introduction; hybrid.

240090. Col. No. 162.

240091. Col. No. 163.

240092. Col No. 165.

240093. Col. No. 166. Police Garden, Manokwari.

240094. Col. No. 167. Kwawi, Near Manokwari.

240095. Col. No. 169. Saowi, near Manokwari.

240096. Col. No. 171. 'Bisi-Madak'. Village of Malanubaru, Sorong.

240097. Col. No. 172. Ransiki.

240098. Col. No. 173. Ransiki.

240099. Col. No. 174. Ransiki, from Angi Lakes. Elevation 5,500 feet.

240100. Col. No. 175. Village of Malanubaru, Sorong.

240101. Col. No. 176. 'Bisi-Galamu'. Village of Malanubaru, Sorong.

240102. Col. No. 177. 'Kamain Simbur'. Near coast, Village of Tanjung-cassowari.

240103. Col. No. 178. 'Kaman Tanenem'. Very large diameter. Village of Tanjungcassowari, Sorong.

240104 to 240106. SACCHARUM ROBUSTUM Brandes & Jesw.

Sugarcane.

240104. Col. No. 154. Wosi River, Manokwari.

240105. Col. No. 168. 'Taboe Air'. Andai River, southwest of Manokwari.

Clone 57 NG 168.

240106. Col. No. 170. Bami River, near Manokwari.

240107. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.**Yam.**

From Guatemala. Tubers presented by R. Keilhauer, Guatemala City.

Received May 21, 1957.

240108 to 240120.

From Sicily. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md.

Received May 23, 1957.

Collected at the Botanical Garden, Palermo. May 18, 1957. Cuttings unless otherwise indicated.

240108. OREOPANAX DACTYLIFOLIUS Hort. Araliaceae.

Col. No. 3971. Evergreen tree to 30 feet high; leaves deeply lobed, green above, rusty-brown beneath, leathery.

240109. BACCHARIS ROSMARINIFOLIA Hook. & Arn. Asteraceae.

Col. No. 3967. Small evergreen shrub; foliage with the aspect of rosemary.

240110. CENTAUREA VERBASCIFOLIA Vahl Asteraceae.

Col. No. 955. Half-woody subshrub to 4 feet high; leaves to 8 inches long and 4 inches wide, green above, white tomentose beneath; flower heads lavender. (Seeds.)

240111. FICUS CAPENSIS Thunb. Moraceae**Cape fig.**

Col. No. 3968. Deciduous tree to 30 feet high.

240112. GILBERTIA CUNEATA March Araliaceae.

Col. No. 3946. Evergreen tree to 30 feet high; flowers small, yellowish. (Seeds.)

240113. HIPPOBROMUS ALATUS Eckl. & Zeyh. Sapindaceae.

Col. No. 3969. Evergreen tree to 20 feet high; foliage fernlike.

240114. KIGGELARIA AFRICANA L. Bixaceae.

Col. No. 3965. Evergreen tree to 60 feet high; flowers clustered, small white.

240115. APOLLONIAS CANARIENSIS Nees Lauraceae.

Col. No. 3966. Much-branched, evergreen tree, forming a round crown; leaves to 5 inches long, aromatic.

240116. PACHYSTROMA LONGIFOLIUM (Nees) I. M. Johnst. Euphorbiaceae.

Col. No. 3962. Large evergreen shrub; leaves hollylike, to 5 inches long, spiny.

240117. PILOCARPUS PENNATIFOLIUS Lem. Rutaceae.

Col. No. 3961. Small evergreen shrub; leaves pinnately divided, leathery, deep green, lustrous. Source of the drug "Jaborandi."

240118. RHUS UNDULATA Jacq. Anacardiaceae.

Col. No. 3970. Evergreen tree to 20 feet high; leaves divided.

240119 and 240120. VISNEA MOCANERA Lf. Theaceae.**240119.** Col. No. 3963. Evergreen tree to 30 feet high. (Cuttings.)**240120.** Co. No. 3963a. (Seeds.)**240121. PONCIRUS TRIFOLIATA (L.) Raf. Rutaceae. Hardy orange.**

From Australia. Seeds presented by the Division of Horticulture, Department of Agriculture, Sydney, New South Wales. Received May 23, 1957.

240122. RHYNCHOSIA PYRAMIDALIS (Lam.) Urb. Fabaceae.

From Mexico. Seeds collected by Bernice G. Schubert and O. G. Enriquez, Rancho Eledin on the Rio Grijalba, Chiapas. Received May 24, 1957.
'Pega Palo'.

240123 to 240125.

From Australia. Seeds presented by the Botanic Garden, Adelaide. Received May 24, 1957.

240123. CASSIA OLIGOPHYLLA F. Muell. Caesalpinaceae. Senna.

240124. HARPULLIA PENDULA Planch. Sapindaceae.

240125. SCHEFFLERA VENULOSA (Wight & Arn.) Harms Araliaceae.

240126 and 240127.

From Sicily. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 24, 1957.

From the Botanical Garden, Palermo. May 18, 1957.

240126. FICUS BELLENGERI C. Moore Moraceae Fig.

Col. No. 3977. Evergreen tree to 50 feet high; leaves to 8 inches long.

240127. TETRSTIGMA HARMANDII Planch. Vitaceae.

Col. No. 3981. Rank-growing evergreen vine with tendrils; leaves lustrous; flowers greenish.

240128 to 240287.

From Italy. Seeds presented by the Plant Production Branch, Food and Agriculture Organization of the United Nations, Rome.

Received May 27, 1957. Locations given are the F. A. O. sources.

240128 AGROPYRON REPENS (L.) Beauv. Poaceae. Quackgrass.

No. 3743. Marand, Iran.

240129. AGROPYRON INTERMEDIUM (Host.) Beauv. Intermediate wheatgrass.

No. 3742. Tabriz, Iran.

240130. AGROPYRON sp.

No. 3773. Firusku-Abali, Iran.

240131 to 240145. AGROSTIS CASTELLANA Boiss. & Reut. Poaceae. Bentgrass.

From Portugal.

240131. No. 3507. Villa Franca de Xira.

240132. No. 3511. Pegoes.

240133. No. 3515. Setubal.

240134. No. 3519. Alcour do Sol.

240135. No. 3522. Sao Bartolomew.

240136. No. 3524. Sao Bartolomew.

240137. No. 3532. Ferreira.

240138. No. 3543. Odeleite.

240139. No. 3545. Mertola.

240140. No. 3553. Beja.

240141. No. 3557. Portel.

240142. No. 3575. Nisa

240128 to 240287—Continued**240131 to 240145—Continued**

240143. No. 3581. Alpedrinha.

240144. No. 3582. Alpedrinha.

240145. No. 3586. Cubo.

240146 to 240148. *ALOPECURUS ARUNDINACEUS* Poir. Poaceae. **Foxtail.**

240146. No. 3746. Koy, Iran.

240147. No. 3769. Abali-Firusku.

240148. No. 3758. Cuchan, Iran.

240149. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Poaceae. **Palwan.**

No. 3448. Ait Hamadi, Morocco.

240150 and 240151. *BRACHYPODIUM PINNATUM* (L.) Beauv. Poaceae.**Japanese falsebrome.**

240150. No. 3035. Matsubah, Israel.

240151. No. 3665. Yannina, Greece.

240152. *BROMUS ERECTUS* Huds. Poaceae. **Meadow brome.**

No. 3436. Midelt, Morocco.

240153. *BROMUS ARVENSIS* L. **Field brome.**

No. 3747. Koy, Iran.

240154. *BROMUS TOMENTOSUS* Trin.

No. 3751. Chaluz, Iran.

240155. *CYMOPOGON SCHOENANTHUM* (L.) Sprengel poaceae. **Camel hay.**

No. 3443. Agadir, Morocco.

240156 and 240157. *FESTUCA AMPLA* Hack. Poaceae. **Fescue.**

240156. No. 3521. Sao Bartolomew, Portugal.

240157. No. 3546. Mertola, Portugal.

240158 to 240160. *HAYNALDIA HORDEACEA* (Coss. & Dur.) Hack. Poaceae.

240158. No. 3398. Taddert, Morocco.

240159. No. 3434. Midelt, Morocco.

240160. No. 3482. Ifrone, Morocco.

240161 to 240164. *HORDEUM BULBOSUM* L. Poaceae. **Bulbous barley.**

240161. No. 3033. Beit-Qama, Israel.

240162. No. 3046. Barce, Cyrenaica.

240163. No. 3612. Beja, Tunisia.

240164. No. 3681. Tor Mancina, Italy.

240165 to 24168. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. Poaceae.**Smilo grass.**

240165. No. 3098. Maison-Carree, Algeria.

240166. No. 3342. Ya Sidi Rehal, Morocco.

240167. No. 3385. Taroudannt, Morocco.

240168. No. 3441. Ida Outanane, Morocco.

240128 to 240287—Continued

240169 to 240171. *PENNISETUM CILIARE* (L.) Link Poaceae. **Buffelgrass.**

240169. No. 3418. Djebilet, Morocco.

240170. No. 3438. Agadir, Morocco.

240171. No. 3439. Agadir, Morocco.

240172 to 240195. *PHALARIS COERULESCENS* Desf. Poaceae. **Canarygrass.**

240172 to 240186. From Algeria.

240172. No. 3103. El Biar.

240173. No. 3121. Rovigo.

240174. No. 3138. Affreville.

240175. No. 3173. Tiaret.

240176. No. 3176. Tiaret.

240177. No. 3202. Ain-el Hadjar.

240178. No. 3216. Medea.

240179. No. 3222. Medea.

240180. No. 3231. Berrouaghia.

240181. No. 3232. Berrouaghia.

240182. No. 3292. Oved Zenati.

240183. No. 3299. Bone.

240184. No. 3307. Jemmapes.

240185. No. 3329. Thiers.

240186. No. 3330. Beni Amran,

240187. No. 3471. Merdja Bakka, Morocco.

240188 to 240193. From Portugal.

240188. No. 3528. Ferreiro do Alentejo.

240189. No. 3535. Castro Verde.

240190. No. 3549. Beja.

240191. No. 3559. Sao Mancos.

240192. No. 3596. Batalha.

240193. No. 3601. Sao Martinho do Porto.

240194. No. 3609. Beja, Tunisia.

240195. No. 3626. Erythrae, Greece.

240196 to 240219. *PHALARIS TRUNCATA* Guss.

Canarygrass.

240196. No. 3061. Cyrene, Cyrenaica.

240197 to 240219. From Algeria.

240197. No. 3120. Rovigo.

240198. No. 3130. Oved El Alleug.

240199. No. 3137. Affreville.

240200. No. 3219. Medea.

240201. No. 3226. Loverdo.

240202. No. 3233. Berrouaghia.

240203. No. 3237. Brazza.

240204. No. 3251. El Achir.

240205. No. 3255. Bordj Bou Arreridj.

240128 to 240287—Continued**240197 to 240219—Continued**

- 240206. No. 3264. Ras el Aioun.
- 240207. No. 3282. Les Lacs.
- 240208. No. 3287. Le Kroubs.
- 240209. No. 3290. Oved Zenati.
- 240210. No. 3303. Bone.
- 240211. No. 3306. Jemmapes.
- 240212. No. 3311. El Arrouch.
- 240213. No. 3313. Chateaudun du Rhumel.
- 240214. No. 3318. Setif.
- 240215. No. 3321. Paul Doumer.
- 240216. No. 3324. Mansourah.
- 240217. No. 3331. L'Alma.
- 240218. No. 3332. L'Alma.
- 240219. No. 3610. Beja.

240220 to 240284. PHALARIS AQUATICA L. Poaceae. Large canarygrass.

- 240220. No. 3030. Beit-Qama, Israel.
- 240221. No. 3031. Beit-Qama, Israel.
- 240222. No. 3042. Moledet, Israel.
- 240223. No. 3044. Mishmar Maemak, Israel.

240224 to 240247. From Algeria.

- 240224. No. 3119. St. Charles.
- 240225. No. 3124. Bouinan.
- 240226. No. 3128. Boufarik.
- 240227. No. 3146. Miliana.
- 240228. No. 3147. Miliana.
- 240229. No. 3150. Lavarande.
- 240230. No. 3164. St. Aime.
- 240231. No. 3170. Relizane.
- 240232. No. 3171. Relizane.
- 240233. No. 3187. Ainkermes.
- 240234. No. 3188. Martimprey.
- 240235. No. 3189. Martimprey.
- 240236. No. 3190. Zelemta.
- 240237. No. 3194. Mascara.
- 240238. No. 3208. Saida.
- 240239. No. 3227. Berrouaghia.
- 240240. No. 3230. Berrouaghia.
- 240241. No. 3245. Bouira.
- 240242. No. 3272. Lambese.
- 240243. No. 3293. Oved Zenati.
- 240244. No. 3294. Oved Zenati.

240128 to 240287—Continued**240220 to 240284—Continued****240224 to 240247—Continued**

- 240245. No. 3297. Bone.
- 240246. No. 3305. Jemmapes.
- 240247. No. 3327. Bouira.

240248 to 240276. From Morocco.

- 240248. No. 3335. Marrakech.
- 240249. No. 3340. Sidi Rehal.
- 240250. No. 3347. Amizmiz.
- 240251. No. 3349. Marrakech.
- 240252. No. 3355. Tiddli.
- 240253. No. 3357. Tanaant.
- 240254. No. 3360. Tizi Bou Tafouk.
- 240255. No. 3365. Marrakech.
- 240256. No. 3367. Ijoukak.
- 240257. No. 3370. Tizi N'Test.
- 240258. No. 3387. Tizi Badaoun.
- 240259. No. 3391. Oved Zatt.
- 240260. No. 3394. Oved Zatt.
- 240261. No. 3403. Touama.
- 240262. No. 3405. Marrakech.
- 240263. No. 3408. Marrakech.
- 240264. No. 3415. Tahannaout.
- 240265. No. 3422. Skhour Des Rehamna.
- 240266. No. 3425. Barrange Imfout.
- 240267. No. 3429. Boulaouane.
- 240268. No. 3432. Boulaouane.
- 240269. No. 3440. Ida Outanane.
- 240270. No. 3455. Boukraoun.
- 240271. No. 3473. Meknes.
- 240272. No. 3493. Ito.
- 240273. No. 3498. Ito.
- 240274. No. 3500. Meknes.
- 240275. No. 3501. Meknes.
- 240276. No. 3503. Meknes.

- 240277. No. 3517. Alcacer do Sol, Portugal.
- 240278. No. 3554. Beja, Portugal.
- 240279. No. 3565. Elvas Plant Breeding Station, Portugal.
- 240280. No. 3572. Arronches, Portugal.
- 240281. No. 3630. Erythrae, Greece.
- 240282. No. 3637. Lamia, Greece.
- 240283. No. 3676. Corinth, Greece.
- 240284. No. 3677. Tor Mancina, Italy.

240128 to 240287—Continued**240285.** *SECALE ANATOLICUM* Boiss. Poaceae.**Rye.**

No. 3618. Eskisehir, Turkey.

240286. *SECALE MONTANUM* Guss.**Mountain rye.**

No. 3619. Eskisehir, Turkey.

240287. *PLANTAGO ALBICANS* L. Plantaginaceae.**Plantain.**

No. 3383. Ain Tiarit, Morocco.

240288. *MERCURIALIS ANNUA* L. Euphorbiaceae.

From France. Seeds presented by the Botanic Garden, Rennes. Received May 27, 1957.

240289 to 240303. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae.**Canaigre.**

From Mexico. Tubers collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received May 27, 1957.

240289 to 240296. 'Cana Aigre'. Bacadehuachi, Sonora. May 21, 1957.

Elevation 2,500 feet. Plants small, scattered; roots tuberous, shallow, small; the older dark reddish.

240289. Col. No. 16645.**240293.** Col. No. 16649.**240290.** Col. No. 16646.**240294.** Col. No. 16650.**240291.** Col. No. 16647.**240295.** Col. No. 16651.**240292.** Col. No. 16648.**240296.** Col. No. 16652.**240297 to 240303.** 'Yerba Colorada'. Moctezuma, Sonora. May 22, 1957. Silty alluvium along the Rio Moctezuma. Plants in small colonies; roots small, shallow; color reddish-brown.**240297.** Col. No. 16657.**240301.** Col. No. 16661.**240298.** Col. No. 16658.**240302.** Col. No. 16662.**240299.** Col. No. 16659.**240303.** Col. No. 16663.**240300.** Col. No. 16660.**240304 to 240309.**

From Italy. Plant material collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received May 27, 1957.

From Botanical Garden, University of Rome. May, 1957.

240304. *AZARA URUGUAIENSIS* (Speg.) Sleumer Flacourtiaceae.

Col. No. 4000. Evergreen shrub to 6 feet high; leaves 2 inches long, 1 inch wide; elliptic. (Cuttings.)

240305. *CORDIA FRANCISCHII* Tenore Boraginaceae.

Col. No. 4003. Evergreen tree to 60 feet high, somewhat buttressed, round-headed; flowers white. (Cuttings.)

240306. *CUSSONIA SPICATA* Thunb. Araliaceae.

Col. No. 3982. Evergreen tree to 20 feet high; leaves digitately then pinately divided. (Cuttings.)

240307. *HEPTAPLEURUM STELLATUM* Gaertn. Araliaceae.

Col. No. 4001. Small evergreen tree; leaves digitately compound, deep green, lustrous. (Cuttings.)

240308. *NARCISSUS TAZETTA* var. *ITALICUS* Sims Amaryllidaceae.

Col. No. 3985. (Bulbs.)

240309. *SOLANUM BONARIENSE* L. Solanaceae.

Col. No. 4002. Shrub to 6 feet high; flowers white to violet; floriferous. (Cuttings.)

240310 to 240312. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

From France. Seeds presented by the Institute de Recherches pour les Huiles et Oleagineux, Paris. Received May 28, 1957.

240310. I.R.H.O. 6. Type Zanzibarensis of Dahomey. Perennial; high habit; stems, leaves, and ribs green; resistant to capsule rotting and abortion.

240311. R. 63. Originated in Cambodia. Racemes 1 to 3 per plant, thick.

240312. S. 367. Type Minor Dahomey. Plant much-branched; partial dehiscence; resistant to capsule rotting and abortion.

240313 to 240317.

From Sicily. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 27, 1957.

From the Botanical Garden, Palermo. May 19, 1957.

240313. ANDROPOGON DISTACHYON L. Poaceae.

Bluestem.

Col. No. 3990. Tufted perennial to 3 feet high; spikelets plumelike. (Seeds.)

240314. PERIPLOCA GRAECA L. Asclepiadaceae.

Col. No. 3991. Large rampant climber, 50 feet long; leaves to 2 inches long, shiny; flowers purplish. (Cuttings.)

240315. PRONIUM PALMITA E. Mey. Juncaceae.

Col. No. 3993. Arborescent rush; stem to 5 inches in diameter; leaves stiff; pineapple-like, tufted at the top, to 20 inches long. Used in making baskets and for thatching. (Seeds.)

240316. SCABIOSA CRETICA L. Dipsacaceae.

Col. No. 3994. Much-branched shrub to 3 feet high; flowers blue. (Seeds.)

240317. MAUROCENIA CAPENSIS (L.) Sond. Celastraceae.

Col. No. 3992. Small evergreen tree to 20 feet high; leaves to 3 inches long, ovate, dark green lustrous above, lighter beneath. (Cuttings.)

240318 to 240334. ZEA MAYS L. Poaceae.**Corn.**

From Bolivia. Seeds presented by E. G. Beinhart, Santa Cruz. Received May 27, 1957.

240318 to 240325. White kernels.

240318. No. 1.

240322. No. 5.

240319. No. 2.

240323. No. 6.

240320. No. 3.

240324. No. 7.

240321. No. 4.

240325. No. 8.

240326 to 240329. Red kernels.

249326. No. 9.

240328. No. 11.

240327. No. 10.

240329. No. 12.

240330. No. 13. Pinkish white.

240331. No. 14. White and yellow.

240332. No. 15. White and yellow.

240333. No. 16. Black and white.

240334. No. 17. Yellow and black speckled; white cob.

240335. VIGNA VEXILLATA (L.) A. Rich. Fabaceae.**Cowpea.**

From Belgian Congo. Seeds presented by the Division de Institut National pour l'Etude Agronomique du Congo Belge, Yangambi. Received May 27, 1957. Originally from Nioka.

240336. EUCALYPTUS ASTRINGENS Maiden Myrtaceae. Gum.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 27, 1957. Originally from the Forest Department, Perth, Western Australia. No. 1546.

240337 to 240339.

From Germany. Seeds presented by the University Botanic Garden, Tubingen. Received May 28, 1957.

240337. LINUM ALPINUM L. Linaceae. Flax.

240338. LINUM PERENNE L. Perennial flax.

240339. LINUM USITATISSIMUM L. Common flax.

240340 to 240344.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 28, 1957. From the Botanical Garden, University of Naples. May 22, 1957.

240340. BUXUS BALEARICA Lam. Buxaceae. Spanish box.

Col. No. 3998. Evergreen shrub or small tree to 30 feet high; leaves roundish, to 2 inches long, thick, deep lustrous green.

240341. EUONYMUS PENDULUS Wall. Celastraceae.

Col. No. 3995. Evergreen tree to 50 feet high; leaves to 4 inches long, abruptly pointed, dark green, finely serrate; flowers greenish or yellowish.

240342. GARRYA FADYENII Hook. Cornaceae.

Col. No. 3999. Small evergreen tree to 20 feet high, branched from the base.

240343. PACHYSTROMA LONGIFOLIUM (Nees) I. M. Johnst. Euphorbiaceae.

Col. No. 3996. Large evergreen shrub; leaves hollylike, to 5 inches long, spiny.

240344. THEOPHRASTA IMPERIALIS Lind. Theophrastaceae.

Col. No. 3996. Evergreen tree to 30 feet high; leaves thick, leathery, spine-tipped, to 14 inches long.

240345 to 240358.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 28, 1957.

Collected Apr. 1957.

240345. ARTHRAXON HISPIDUS (Thunb.) Makino Poaceae.

Col. No. 682. Telefomin, Sepik District.

240346. DANTHONIA sp. Poaceae.

Col. No. 715. Nondugl. Common grass to 3 feet high.

240347. EREMOCHLOA CILIARIS var. ELATA Rehder Poaceae.

Col. No. 653. Yambi. Grassy plains.

240348. EULALIA IRRITANS (R. Br.) Kuntze Poaceae.

Col. No. 666. About 20 miles from Maprik on way to Pagivi, Sepik District.

240349. GNETUM GNEMON L. Gnetaceae.

Col. No. 700. Native garden, Lumi, Sepik District.

240350. HYPARRHENIA HIRTA (L.) Stapf Poaceae.

Col. No. 718. Nondugl. Plant to three feet high.

240345 to 240358—Continued

- 240351.** *IMPERATA CYLINDRICA* (L.) Beauv. Poaceae. **Cogangrass.**
Col. No. 692. Green River.
- 240352.** *ISCHAEMUM* sp. Poaceae.
Col. No. 656. Yambi. Grassy plains.
- 240353.** *ISCHAEMUM DIGITATUM* Brongn.
Col. No. 659. Roadside near Maprik,
- 240354.** *NICOTIANA TABACUM* L. Solanaceae. **Common tobacco.**
Col. No. 710. Nondugl. Native type.
- 240355.** *NICOTIANA TABACUM* L. **Common tobacco.**
Col. No. 711. Nondugl.
- 240356.** *RHODODENDRON HANSEMANII* Warb. Ericaceae.
Col. No. 678. Near Telefomin, Sepik District.
- 240357.** *STIZOLOBIUM* sp. Fabaceae.
Col. No. 688. Maprik.
- 240358.** *UVARIA* sp. Annonaceae.
Col. No. 677. Near Telefomin, Sepik District.

240359 to 240362.

From Portugal. Plant presented by the Estacao Agronomica Nacional, Sacavem.
Received Jan. 5, 1957.

Selections made at the Centro de Investigacao do Cafeiro.

- 240359.** *COFFEA CONGENSIS* Froehn. Rubiaceae. **Coffee.**
No. 902. Forest type. (Selected from P.I. 203134.)
- 240360 to 240362.** *COFFEA ARABICA* L. **Arabian coffee.**
- 240360.** No. 1003. 'B.A.10'. (Selected from P.I. 204744.)
- 240361.** No. 1282. 'Dilla. Alghe'. (Selected from P.I. 205107.)
- 240362.** No. 1101. 'Agaro'. (Selected from P.I. 205408.)

240363 to 240378.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 29, 1957.

- 240363.** *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.**
Col. No. 179. 'Liling'. Northern Japan; collected at Biak, May 15, 1957.
- 240364 to 240376.** *SACCHARUM OFFICINARUM* L. **Sugarcane.**
- 240364 to 240375.** From Enarotali, Wissel Lakes, May 16, 1957. Elevation 5,700 feet.
- 240364.** Col. No. 180. 'Kigite'.
- 240365.** Col. No. 181. 'Mutii'.
- 240366.** Col. No. 182. 'Mus'.
- 240367.** Col. No. 183. 'Tua-Tua'.
- 240368.** Col. No. 184. 'Ajai'.
- 240369.** Col. No. 185. 'Teto'.
- 240370.** Col. No. 186. 'Pogie'.
- 240371.** Col. No. 187. 'Deke-Deke'.
- 240372.** Col. No. 188. 'Kugube'.

240363 to 240378—Continued**240364 to 240376—Continued****240364 to 240375—Continued****240373.** Col. No. 189. 'Tukiai'.**240374.** Col. No. 190. 'Tukiai'.**240375.** Col. No. 191. 'Gobel'.**240376.** Col. No. 192. 'Kumati'. Keneapa, Wissel Lakes, May 16, 1957.**240377 and 240378.** *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.****240377.** Col. No. 193. 'Parimo'. Keneapa, Wissel Lakes. Elevation 5,700 feet. May 16, 1957.**240378.** Col. No. 194. 'Parimo'. Ara River, Wissel Lakes. May 17, 1957.**240379 to 240382.**

From Sicily. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 29, 1957.

240379. *CHILIANTHUS ARBOREUS* (L.f.) Benth. Loganiaceae.

Col. No. 3979. Botanical Garden, Palermo. May 18, 1957. Large, much-branched shrub to 20 feet high; leaves 0.75 inch long, 0.5 inch wide; flowers yellowish-white, fragrant, small, numerous, in panicles to 6 inches across.

240380. *RONDELETIA AMOENA* (Planch.) Hemsl. Rubiaceae.

Col. No. 3978. Botanical Garden, Palermo. May 18, 1957. Large evergreen shrub, much-branched; flowers pink and white, fragrant.

240381. *SCABIOSA CRETICA* L. Dipsacaceae.

Col. No. 3987. Borghetto near Partinico, Palermo. May 19, 1957. Much-branched shrub, to 3 feet high; flowers blue.

240382. *SEDUM STOLONIFERUM* S. T. Gmel. Crassulaceae. **Stonecrop.**

Col. No. 3988. Greek Amphitheater at Segesta, near Calatalfini. May 19, 1957. Tufted succulent; perennial.

240383 to 240395. *CHRYSANTHEMUM* (hybrids). Asteraceae.

From Japan. Plants presented by Institute for Breeding Research, Setagaya, Tokyo. Received May 29, 1957.

240383. Ashigaranishiki (M). **240390.** No. 2.**240384.** Hayabusa (M.) **240391.** No. 3.**240385.** Kinbue (M.) **240392.** No. 4.**240386.** Omokage (M1.) **240393.** No. 5.**240387.** Shinkintoki (MS). **240394.** No. 6.**240388.** Zuike (M). **240395.** No. 7.**240389.** No. 1.**240396 to 240400.** *SACCHARUM ROBUSTUM* Brandes & Jesw. **Poaceae.**
Sugarcane.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 29, 1957.

240396. Col. No. 741. Kota Nica, Hollandia. May 3, 1957.**240397.** Col. No. 742. Kota Nica, Hollandia. May 3, 1957.**240398.** Col. No. 755. Jabau River, near Kota Nica, Hollandia. May 3, 1957.**240399.** Col. No. 763. Andai River, about 23 km. southwest of Manokwari. May 8, 1957. Common on exposed banks.**240400.** Col. No. 783. Parimo, mouth of Ara River, Wissel Lakes. May 17, 1957.

240401 to 240403. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From France. Seeds presented by the Institut du Cotton et des Textiles Exotiques, Paris. Received May 29, 1957.

240401. 'Bam 21'.

240402. 'Soumbe A25B9'.

240403. 'Tik'.

240404 to 240406.

From Sicily. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 29, 1957.

240404. *EPHEDRA FRAGILIS* Desf. Gnetaceae. **Jointfir.**

Col. No. 3989. Sandy banks, coastal road at Cinisi, west of Palermo. May 19, 1957. Much-branched, erect shrub; stems naked, green, to 6 feet high.

240405. *FICUS MAGNIFOLIA* F. Muell. Moraceae. **Fig.**

Col. No. 3980. Botanical Garden, Palermo. Evergreen tree to 40 feet high; leaves to 8 inches long and 5 inches wide.

240406. *HETEROMORPHA ARBORESCENS* Cham. & Schl. Apiaceae.

Col. No. 3984. Botanical Garden, Palermo. May 18, 1957. Much-branched shrub to 10 feet high.

240407. PHASEOLUS ANGULARIS (Willd.) W. F. Wight Fabaceae. Adzuki bean.

From Japan. Seeds presented by the Laboratory of Plant Breeding, Hyogo Agricultural College, Sasayama, Hyogo. Received May 31, 1957.

240408. PASPALUM ALMUM Chase Poaceae.

From Argentina. Seeds presented by the Division de Exploraciones e Introduccion de Plantas, Buenos Aires. Received May 31, 1957.

DEIP 16.282.

240409. CARTHAMUS TINCTORIUS L. Asteraceae. Safflower.

From Egypt. Seeds presented by the Plant Breeding Section, Giza, Orman. Received May 31, 1957.

Grown as a winter crop during October and November; harvested during April.

240410 to 240417.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 31, 1957.

240410. *ALYSICARPUS RUGOSUS* (Willd.) DC. Fabaceae.

No. 16671. Originally from Southern Rhodesia.

240411. *CROTALARIA BROWNEI* Bert. Fabaceae.

No. 13377. Originally from Ceylon.

240412. *CROTALARIA GRAHAMIANA* Wight & Arn.

No. 13378. Originally from Ceylon.

240413. *CROTALARIA SERICEA* Retz.

Originally from Brisbane Station, Queensland, Australia.

240414. *TRIFOLIUM* sp. Fabaceae.

No. 18333. Originally from Uruguay.

240415. *VICIA SATIVA* L. Fabaceae.

Common vetch.

No. 10380. Originally from Bulgaria.

240410 to 240417—Continued

- 240416.** *VICIA OBSCURA* Vog. Vetch.
 No. 18107. Originally from Brazil.
- 240417.** *VIGNA OBLONGIFOLIA* A. Rich. Fabaceae. Cowpea.
 No. 17855. Originally from Kitale, Kenya.

240418 to 240428.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received May 31, 1957.

Collected May, 1957.

- 240418.** *CITRUS AURANTIUM* L. Rutaceae. Sour orange.
 Col. No. 771. Wosi Experiment Station, Manokwari.
- 240419 and 240420.** *CITRUS LIMON* (L.) Burm. f. Lemon.
240419. Col. No. 759. Near Manokwari. French type, fruit about 3 inches in diameter.
240420. Col. No. 770. Wosi Experiment Station, Manokwari. California type.
- 240421 and 240422.** *CITRUS NOBILIS* Lour. King orange.
240421. Col. No. 765. Wosi Experiment Station, Manokwari.
240422. Col. No. 767. Wosi Experiment Station, Manokwari.
- 240423 and 240424.** *CITRUS PARADISI* Macf. Grapefruit.
240423. Col. No. 761. Near Manokwari. Fruit large, deep pink; Indonesian type.
240424. Col. No. 768. 'Djeroek Bali'. Wosi Experiment Station, Manokwari.
- 240425.** *CITRUS* sp.
 Col. No. 758. 'Soeangi'. Near Manokwari. Native orange, very sour, 4 to 5 inches in diameter.
- 240426.** *CITRUS* sp.
 Col. No. 760. Near Manokwari. Fruit tangerine-shaped, to 2 inches in diameter, very sour.
- 240427.** *CITRUS* sp.
 Col. No. 766. Wosi Experiment Station, Manokwari.
- 240428.** *CITRUS* (hybrid).
 Col. No. 769. Wosi Experiment Station, Manokwari. (A Japanese hybrid of *C. nobilis*.)

240429 to 249433.

From Bolivia. Seeds presented by E. G. Beinhart, Santa Cruz. Received May 31, 1957.

- 240429 to 240431.** *NICOTIANA TABACUM* L. Solanaceae Common tobacco.
 Grown at Estacion Experimental Saavedra, Santa Cruz.
- 240429.** 'Criolla de las Sierras'.
240430. 'Criolla Misionero'.
240431. 'Criolla Saltena Amarelinho'.
- 240432.** *NICOTIANA TOMENTOSA* Ruiz & Pav. Giant tobacco.
 Collected at Chojlla. Elevation 750 feet.
- 240433.** *NICOTIANA WIGANDIODES* C. Koch & Fint. Tobacco.
 Collected at Des Pango. Elevation 790 feet.

240434 to 240442.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 3, 1957.

Botanical Garden, University of Florence. May 27, 1957.

240434. *ALMEIDA RUBRA* St. Hil. Rutaceae.

Col. No. 4009. Evergreen shrub to 12 feet high; leaves oblong acuminate; flowers pink. (Cuttings.)

240435. *CAPPARIS CYNOPHALLOPHORA* L. Capparidaceae.

Col. No. 4012. Small evergreen shrub; leaves to 5 inches long, shiny above, silvery beneath. (Cuttings.)

240436. *CUNONIA CAPENSIS* L. Cunoniaceae.

Col. No. 4008. Evergreen tree to 20 feet high; leaves pinnately divided, shiny above. (Cuttings.)

240437. *EUGENIA MAGNIFICA* Spring ex Mart. Myrtaceae.

Col. No. 4006. Evergreen tree; leaves to 10 inches long, bullate, shiny above. (Cuttings.)

240438. *JABOROSA INTEGRIFOLIA* Lam. Solanaceae.

Col. No. 4005. Rhizomatous perennial; leaves to 8 inches long, basal; flowers white, long-tubular to 3 inches long. (Rhizomes.)

240439. *MACKAYA BELLA* Harv. Acanthaceae.

Col. No. 4010. Evergreen shrub to 10 feet high; leaves lustrous; flowers tubular, lavender. (Cuttings.)

240440. *OCOTEA FOETENS* (Ait.) Benth. & Hook. Lauraceae.

Col. No. 4004. Evergreen tree to 50 feet high, spreading. (Cuttings.)

240441. *SIDEROXYLON INERME* L. Sapotaceae.

Col. No. 4011. Evergreen tree to 25 feet high; leaves obovate, to 5 inches long. (Cuttings.)

240442. *THEOPHRASTA IMPERIALIS* Lind. Theophrastaceae.

Col. No. 4007. Evergreen tree to 30 feet high; leaves thick, leathery, spine-tipped, to 14 inches long. (Cuttings.)

240443 to 240485.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Organization, Canberra City. Received June 3, 1957.

Localities given are Australian sources.

240443 to 240445. *PHALARIS AQUATICA* L. Poaceae. **Large canarygrass.**

240443. C.P.I. 9785. Sacavem, Portugal.

240444. C.P.I. 10658. Turkey.

240445. C.P.I. 12587. Portugal.

240446 to 240476. *PHALARIS COERULESCENS* Desf. **Canarygrass.**

240446. C.P.I. 1146. Oregon.

240447. C.P.I. 14070. Collected by J. F. Miles and C. M. Donald, Italy.

240448 to 240450. Collected by J. F. Miles.

240448. C.P.I. 14146. Greece.

240449. C.P.I. 14415. Portugal.

240450. C.P.I. 14416. Portugal.

240451. C.P.I. 14691. Collected by J. F. Miles and C. M. Donald, Morocco.

240452. C.P.I. 14692. Collected by J. F. Miles and C. M. Donald, Morocco.

240443 to 240485—Continued**249446 to 240476—Continued**

240453 to 240476. Collected by Neal-Smith.

- 240453.** C.P.I. 19158. Between El Biar and Bouzarrea, Algeria.
- 240454.** C.P.I. 19160. Between Rovigo and Bouinan, Mitidja, Algeria.
- 240455.** C.P.I. 19162. Between Bivtouta and Boufarik, Algeria.
- 240456.** C.P.I. 19166. Near Montgolfier, Relizane-Tiavet Road, Algeria.
- 240457.** C.P.I. 19168. Ainel Hadjar, by Experimental Farm, Algeria.
- 240458.** C.P.I. 19169. Ainel Hadjar, by Experinemtal Farm, Algeria.
- 240459.** C.P.I. 19170. North of Medea, Algeria.
- 240460.** C.P.I. 19171. North of Medea, Algeria.
- 240461.** C.P.I. 19173. South of Berrouaghia, Algeria.
- 240462.** C.P.I. 19174. South of Berrouaghia, Algeria.
- 240463.** C.P.I. 19175. Beyond Oved Zenati, Algeria.
- 240464.** C.P.I. 19176. South of Bone on road to Constantine, Algeria.
- 240465.** C.P.I. 19177. Southwest of Jemmapes towards Constantine, Algeria.
- 240466.** C.P.I. 19178. Thiers, Algeria.
- 240467.** C.P.I. 19182. Villa Franca de Xira, Portugal.
- 240468.** C.P.I. 19184. East of Sao Bartolomew, east of Santiago.
- 240469.** C.P.I. 19185. West of Ferreira do Alentejo, Portugal.
- 240470.** C.P.I. 19186. North of Castro Verde, Portugal.
- 240471.** C.P.I. 19187. Aerodrome Beja and north of Beja, road to Evora, Portugal.
- 240472.** C.P.I. 19188. Sao Mancos, 15 kms. from Evova, Portugal.
- 240473.** C.P.I. 19189. Four km. northwest of Campo Maio, towards Arronches, Portugal.
- 240474.** C.P.I. 19191. Sao Martinno do Porto, Portugal.
- 240475.** C.P.I. 19192. Beja, Tunisia.
- 240476.** C.P.I. 19193. Northwest of Erythyrae, Greece.

240477. PHALARIS sp.

C.P.I. 14422. Collected by J. F. Miles, Portugal.

240478 to 240485. POA CAESPITOSA Forst. Poaceae.

Bluegrass.

240478. C.P.I. 349. Uria Crossing.

240479 to 240485. Grown at the Experimental Station in Cooma.

240479. C.P.I. 486. Collected at Happy Jack's River. Elevation 1.3 km.

Leaves less than 2 mm. broad, folded and laterally compressed, very stiff, rigid; not strongly rhizomatous; forms large tussocks in swamps, peaty soil.

240480. C.P.I. 487. Collected at Doner's Gap. Soil well-drained, peaty, usually in open grassland. Elevation 1.2 km. Plant forms flat cushion-like tussocks to 5 cm. in diameter.

240481. C.P.I. 488. Collected at Island Bend Transmission Line. Elevation 1.1 km. Disturbed woodland or forest areas. Leaves less than 2 mm. broad, laterally compressed, conspicuous hairs in rows; rhizomatous within the small tussocks.

240482. C.P.I. 497. Collected at Island Bend Transmission Line. Elevation 1.2 km. Large tussocks in moist areas; leaves to 5 mm. broad, bright green; not strongly rhizomatous.

240443 to 240485—Continued**240478 to 240485—Continued****240479 to 240485—Continued**

240483. C.P.I. 541. Snowy Mountains, New South Wales, forest with moist soil. Elevation 1.2 km. Leaves to 5 mm. broad, bluish-green, base leaves purple; strongly rhizomatous.

240484. C.P.I. 590. Collected at Snowy River, Island Bend; poor woodland soils. Elevation sea level to 1.3 km. Leaves less than 2 mm. broad, sometimes filiform, always scabrous, small projections irregularly arranged; small tussocks.

240485. C.P.I. 593. Collected in alluvial soil forest at Bridle Creek, near Cooma. Plant rhizomatous, in dense tussocks; leaves scabrous, definite blue color.

240486 to 240493.

From Japan. Plants presented by the Shinjuku Imperial Gardens, Shinjuku-ku, Tokyo. Received June 3, 1957.

240486. *ADA AURANTIACA* Lindl. Orchidaceae.

240487. *ARPOPHYLLUM GIGANTEA* Hartw. Orchidaceae.

240488. *BRASSAVOLA FRAGRANS* Rodrig. Orchidaceae.

240489. *COELOGYNE CRISTATA* Lindl. Orchidaceae.

'Alba'.

240490. *COELIA MACRASTACHYA* Lindl. Orchidaceae.

240491. *EPIDENDRUM PRISMATOCARPUM* Reichb. f. Orchidaceae.

240492. *ONCIDIUM ORNITHORHYNCHUM* H.B.K. Orchidaceae.

240493. *SCHOMBURGKIA UNDULATA* Lindl. Orchidaceae.

240494. *PIPER METHYSTICUM* Forst. Piperaceae. **Kava pepper.**

From Hawaii. Cuttings presented by John Marin, Hilo. Received June 3, 1957.

240495 and 240496.

From Mexico. Plants and roots collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 3, 1957.

240495. *DIOON* sp. Cycadaceae.

Col. No. 16596. 'Penah'. Sierra de Mazatan, Sonora. May 12, 1957. Elevation 2,500 feet. Single colony around large rock; many rosettes.

240496. *IPOMOEA* sp. Convolvulaceae.

Col. No. 16632. Sierra Murrieta above Toribusi, 15 miles west of Bancanora; Sonora. May 17, 1957. Elevation 5,000 feet. Running ground vine, flowers white and lavender.

240497 to 240510.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957. Collected May 28 and 29, 1957.

Cuttings unless otherwise indicated.

240497. *ANTHURIUM RADICANS* C. Koch & A. Haage Araceae.

Col. No. 4032. Greenhouse, Instituto Tecnico Agrario Statale, Florence. Plant dwarf, creeping, rhizomatous, perennial; leaves deep green, lustrous, cordate, acuminate, to 3 inches long. Excellent for hanging baskets.

240497 to 240510—Continued**240498.** *PIPER MAGNIFICUM* Trelease Piperaceae.**Pepper.**

Col. No. 4035. Botanical Garden, University of Florence. Herbaceous perennial; stems prominently ribbed, reddish, square; leaves lustrous green above, red beneath. (Plants.)

240499. *DOMBEYA WALLICHII* (Lindl.) Benth. & Hook.f. Sterculiaceae.

Col. No. 4022. Deciduous tree to 30 feet high; leaves ovate, cordate, to 12 inches wide; flowers scarlet, in globose heads, on a pendulous peduncle. Ornamental for subtropical climate or large greenhouse. (Plants.)

240500. *CALADIUM* × *HORTULANUM* Birdsey Araceae.

Col. No. 4034. 'Irene Alpe'. Greenhouse, Istituto Tecnico Agrario Statale, Florence. Plant, low-growing form, to 12 inches high; leaves blotched-red in center, mottled-white and with green margins. (Plants.)

240501 to 240510. Botanical Garden, Greenhouse, University of Florence.**240501.** *COCCOLOBA FAGIFOLIA* Jacq. Polygonaceae.

Col. No. 4024. Large evergreen shrub; new leaves green above, reddish beneath.

240502. *PYRROSIA LINGUA* (Thunb.) Farwell. Polypodiaceae.

Col. No. 4036. 'Corymbiferus'. Stone house. Rhizomatous fern; leaves single, leathery, crested tip. (Plants.)

240503. *ELAEODENDRON GLAUCUM* Pers. Celastraceae.

Col. No. 4029. Evergreen tree to 20 feet high; leaves lustrous.

240504. *FICUS AURICULATA* Lour. Moraceae.**Fig.**

Col. No. 4023. Deciduous tree to 30 feet high; leaves shiny above, pubescent below.

240505. *FICUS VOGELII* Miq.**Fig.**

Col. No. 4027. Evergreen tree to 30 feet high; leaves lustrous above, white tomentose beneath.

240506. *FUCHSIA INTEGRIFOLIA* Cambess. Onagraceae.

Col. No. 4026. Evergreen shrub to 6 feet high, vigorous.

240507. *MICROMERIA OBOVATA* Benth. Menthaceae.

Col. No. 4038. Subshrub; leaves to 2 inches long, aromatic.

240508. *MYRIOCARPA LONGIPES* Liebm. Urticaceae.

Col. No. 4019. Evergreen shrub; leaves elliptic-oblong, veins below with calcium oxalate crystals; flowers in racemes, inconspicuous.

240509. *MYRSINE CAPITELLATA* Wall. Myrsinaceae.

Col. No. 4030. Evergreen tree; leaves leathery, obovate.

240510. *PANDANUS GRAMINIFOLIUS* Kurz. Pandanaceae.**Screwpine.**

Col. No. 4039. Much-branched, evergreen shrub; leaves 1 inch wide, long attenuate, margins saw-toothed.

240511. *YUCCA PENINSULARIS* McKelvey Liliaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957.

Col. No. 11686. Sierra San Miguel, Baja California.

240512. *YUCCA PERICULOSA* Baker Liliaceae.

From Mexico. Seeds collected by E. C. Ogden and C. L. Gilly near Tehuacan, Puebla. Received June 4, 1957.

No. 5168.

240513 to 240520.

From India. Seeds presented by the Division of Botany and Mycology, Indian Agricultural Research Institute, New Delhi. Received June 3, 1957.

240513 to 240519. *PISUM SATIVUM* L. Fabaceae.

Garden pea.

240513. 'Asauji I.C. 3024'.

240517. 'Table'—19 I.C. 2209.

240514. 'Darantia Kaip I.C. 1444'.

240518. N.P. 29.

240515. 'Kanawari I.C. 2210'.

240519. T163—I.C. 775.

240516. 'Lucknow Boniya I.C.

1405'.

240520. *SMITHIA BIGEMINA* Dalz. Fabaceae.

240521 and 240522.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 7, 1957.

240521. *SACCHARUM ROBUSTUM* Brandes & Jesw. Poaceae.

Sugarcane.

Col. No. 787. Tami River, near Hollandia. May 23, 1957.

240522. *SACCHARUM SPONTANEUM* L.

Sugarcane.

Col. No. 786. Biak. May 19, 1957.

240523. *RHYNCHOSIA PHASEOLOIDES* (Sw.) DC. Fabaceae.

From the British West Indies. Seeds collected by E. P. Imle, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957.

From Grand Cayman Island.

240524 to 240531.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957. Collected May 28, 1957.

Cuttings unless otherwise indicated.

240524. *AESCULUS HIPPOCASTANUM* L. Aesculaceae.

Common horsechestnut.

Col. No. 4017. 'Laciniata'. Botanical Garden, University of Florence. Deciduous tree to 40 feet high; foliage fernlike, leaflets narrow, deeply incised.

240525. *ALLIUM NIGRUM* L. Liliaceae.

Col. No. 4013. Giardini di Marignolle, Florence. Ornamental onion; leaves dark green, 6 inches long, 2 inches wide, recurved; flowers umbellate, white, terminal on scapes to 30 inches high. (Bulbs.)

240526. *MYOPORUM LAETUM* Forst. Myoporaceae.

Col. No. 4031. Botanical Garden, University of Florence. Small tree; leaves light green, pellucid dots.

240527. *BEGONIA REX* Putz. Begoniaceae.

Col. No. 4014. Giardini de Marignolle, Florence. Leaves blackish-red, slightly mottled with a metallic sheen. (Plant.)

240528. *BUXUS SEMPERVIRENS* L. Buxaceae.

Common box.

Col. No. 4016. 'Rosmarinifolia'. Botanical Garden, University of Florence. Evergreen shrub; leaves rosemarylike, small, narrowly linear.

240529. *COTONEASTER SALICIFOLIA* Franch. Malaceae.

Col. No. 4015. 'Prostrata'. Giardini di Marignolle, Florence. Semievergreen prostrate shrub; leaves lanceolate, 1 inch long, lustrous, white-felted below; berries bright red.

240524 to 240531—Continued**240530.** *CYPERUS ALTERNIFOLIUS* L. Cyperaceae.

Col. No. 4020. 'Variegatus'. Botanical Garden, University of Florence. Leaves and culms striped white; variegation appears when potbound.

240531. *PANDANUS HUMILIS* Rumph. Pandanaceae. **Screwpine.**

Col. No. 4018. Botanical Garden, University of Florence. Much-branched, small evergreen tree; leaves mostly at top of stems; fruits long, pedunculate.

240532 and 240533. CITRULLUS VULGARIS Schrad. Cucurbitaceae.
Watermelon.

From Iran. Seeds presented by the American Presbyterian Mission, Hamadan. Received June 5, 1957.

Grown in the Hamadan Area.

240532. Seeds black. Melon egg-shaped, striped; meat pink.**240533.** Seeds brown.**240534 to 240541.**

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 5, 1957.

Botanical Garden, University of Florence. May 29 to 31, 1957.

240534. *SEVERINIA BUXIFOLIA* (Poir.) Ten. Rutaceae.

Col. No. 4040. Small evergreen, spiny tree; leaves boxwoodlike. (Cuttings.)

240535. *PENTARHAPHIA CRANIOLARIA* (Mart.) Decne. Gesneriaceae.

Col. No. 4045. Shrub to 4 feet high; flowers greenish-yellow, black dotted. (Cuttings.)

240536. *CYANOTIS KEWENSIS* C. B. Clarke Commelinaceae.

Col. No. 4041. Creeping perennial; branches pendulous, to 10 inches long; leaves to 2 inches long, hairy, green above, red beneath; flowers rose-purple, filaments bearded with blue hairs. Ornamental species. (Cuttings.)

240537. *DIEFFENBACHIA PICTA* var. *BARAQUINIANA* (Verschf. & Lem.) Engl. Araceae.

Col. No. 4033. Leaves green, occasionally mottled-white, petioles and mid-veins pure white. (Plant.)

240538. *CHAMAERANTHEMUM BEYRICHI* Hook. Acanthaceae.

Col. No. 4037. Rhizomatous, creeping perennial; leaves mottled; veins light colored. (Cuttings.)

240539. *CITRUS AURANTIUM* L. Rutaceae. **Sour orange.**

Col. No. 4043. 'Myrtifolia'. Large evergreen shrub; leaves long, closely beset, glossy green above. (Cuttings.)

240540. *SCIADOPHYLLUM* sp. Araliaceae.

Col. No. 4042. Small evergreen tree; leaves digitately compound, lustrous above. (Cuttings.)

240541. *STRANVAESIA NUSSIA* (Buch.-Ham.) Dene. Malaceae.

Col. No. 4044. Small evergreen tree.

240542 to 240591.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 5, 1957.

Localities given are Australian sources.

240542 to 240584. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.****240542.** C.P.I. 10496. Type No. 3. Argentina.

240542 to 240591—Continued**240542 to 240584—Continued**

240543. C.P.I. 10497. Type No. 4. Argentina.
240544. C.P.I. 10498. Type No. 6. Argentina.
240545. C.P.I. 10506. Type No. 7. Argentina.
240546. C.P.I. 10507. Type No. 8. Argentina.
240547. C.P.I. 10508. Type No. 10. Argentina.
240548. C.P.I. 10509. Type No. 11. Argentina.
240549. C.P.I. 11010. Cuba.
240550. C.P.I. 11379. West Africa.
240551. C.P.I. 11996. 'Mani Blanco'. U.S.A. ex Argentina.
240552. C.P.I. 13010. 'Mani Indio'. U.S.A. ex Uruguay.
240553. C.P.I. 12011. 'Strain 6608'. U.S.A. ex Argentina.
240554. C.P.I. 12027. 47 G 114. South Africa.
240555. C.P.I. 12030. 'Barberton'. South Africa.
240556. C.P.I. 12031. 43 G 44. South Africa.
240557. C.P.I. 12032. 43 G 909. South Africa.
240558. C.P.I. 12035. 47 G 19. South Africa.
240559. C.P.I. 12036. 44 G 66. South Africa.
240560. C.P.I. 12154. 'Natal Common'. South Africa.
240561. C.P.I. 12155. 'Coriante'. South Africa.
240562. C.P.I. 12156. 'Porto Alegre'. South Africa.
240563. C.P.I. 13547. 'A65'. Belgian Congo.
240564. C.P.I. 13775. 'A.H. 6481'. South India.
240565. C.P.I. 13776. 'TMV₁'. South India.
240566. C.P.I. 13777. 'TMV₂'. South India.
240567. C.P.I. 13778. 'TMV₃'. South India.
240568. C.P.I. 14577. 'Kopergaon-3'. India.
240569. C.P.I. 14578. 'Spanish 5'. India.
240570. C.P.I. 14579. 'Spanish Improved'. India.
240571. C.P.I. 16161. 'Improved groundnut'. Sierra Leone.
240572. C.P.I. 16163. 'Maseni'. Sierra Leone.
240573. C.P.I. 16856. 'Kono'. Sierra Leone.
240574. C.P.I. 16857. 'Local'. Sierra Leone.
240575. C.P.I. 17023. 'Tamale'. Gold Coast.
240576. C.P.I. 17024. 'Kusasi'. Gold Coast.
240577. C.P.I. 17025. 'Selection 21'. Gold Coast.
240578. C.P.I. 17068. 'Natal Common'. Nigeria.
240579. C.P.I. 17169. 'Toro'. Nigeria.
240580. C.P.I. 17170. 'K38'. Nigeria.
240581. C.P.I. 17176. 'M.P.A'. Nigeria.
240582. Q104. 'Red Spanish'. Australia.
240583. Q105. 'Virginia Bunch'. Australia.
240584. Local. 'Virginia Bunch'. Australia.

240542 to 240591—Continued

240585. *CALLISTEMON RUGULOSUS* DC. Myrtaceae. **Bottlebrush.**

Col. No. C549. Lower Alligator Gorge.

240586. *CALLISTEMON TERETIFOLIUS* F. Muell. **Bottlebrush.**

No. C542. West of Gladstone.

240587. *EUCALYPTUS NIPHOPHILA* Maiden & Blakely Myrtaceae. **Gum.**

No. C395. Mount Little Cinini.

240588. *HAKEA LEUCOPTERA* R. Br. Proteaceae.

No. C633. Northern Territory, Australia.

240589. *HIBISCUS SABDARIFFA* L. Malvaceae. **Roselle.**

No. 15482. Sudan.

240590. *PELARGONIUM AUSTRALE* Jacq. Geraniaceae.

No. W396. Kings Park, Australia.

240591. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

No. 9184. India.

240592. *NICOTIANA GLAUCA* R. Grah. Solanaceae. **Tree tobacco.**

From Peru. Seeds collected by Earl Smith, Tacna. Received June 5, 1957.
Collected in Nov., 1956.

240593. *ANNONA CORIACEA* Mart. Annonaceae.

From Brazil. Seeds presented by the Horto Florestal de Paraopeba, Paraopeba, Minas Gerais. Received June 5, 1957. No. 3370.

240594 to 240596.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 5, 1957.

From the Botanical Garden, University of Florence. May 28, 1957.

240594. *COCCOLOBA EXCORIATA* L. Polygonaceae.

Col. No. 4028. Small tree; leaves large, obovate.

240595. *PTEROSPERMUM SUBERIFOLIUM* Lam. Sterculiaceae.

Col. No. 4025. Tomentose, rusty, evergreen tree; leaves sinuately cut.

240596. *TOURNEFORTIA LAURIFOLIA* Vent. Boraginaceae.

Col. No. 4021. Vigorous evergreen climber; leaves lustrous above.

240597 to 240608.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 6, 1957.

240597. *SACCHARUM EDULE* Hassk. Poaceae. **Sugarcane.**

Col. No. 195. 'Rapatu'. Moro River, Merauke. May 21, 1957.

240598 to 240606. *SACCHARUM OFFICINARUM* L. **Sugarcane.**

240598 to 240602. From Merauke. May 21, 1957.

240598. Col. No. 196. 'Mgur Jaba'.

240599. Col. No. 197. 'Suba Jaba'.

240600. Col. No. 198. 'Suba Papes'.

240601. Col. No. 199. 'Wahoek Jade'.

240602. Col. No. 200. 'Kasa Bod'.

240597 to 240608—Continued**240598 to 240606—Continued**

240603 to 240606. From Hollandia. May 24, 1957.

240603. Col. No. 203. **240605.** Col. No. 205.

240604. Col. No. 204. **240606.** Col. No. 206.

240607 and 240608. *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**

240607. Col. No. 201. Tami River, near Hollandia. May 23, 1957.

240608. Col. No. 202. River bottom, Hollandia. May 24, 1957.

240609. *DICHANTHIUM ARISTATUM* (Poir) C. E. Hubb. **Poaceae.**
Angleton grass.

From the Philippine Islands. Rootstocks presented by the Bureau of Plant Industry, Los Banos, Laguna. Received June 5, 1957.

'Alabang X'.

240610. *DODONAEA VISCOSA* (L.) Jacq. **Sapindaceae.**
Clammy hopbush.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 5, 1957.

Col. No. 16664. Sierra west of Moctezuma, Sonora. May 22, 1957.
Elevation 3,500 feet. Slender shrub to 7 feet high; good for ornamental hedge.

240611 to 240613.

From Mexico. Seeds collected by Bernice G. Schubert, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 4, 1957.

240611. *DIOSCOREA* sp. **Dioscoreaceae.**

Chiapas.

240612. *IPOMOEA* sp. **Convolvulaceae.**

Col. No. 1511. Northeast Tapachula. Mar. 24, 1957.

240613. *SOLANUM* sp. **Solanaceae.**

Col. No. 1532. (No field note.)

240614 to 240623.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 6, 1957.

From the Botanical Garden, University of Pisa, Pisa.

240614. *ANTHURIUM SCANDENS* Engl. **Araceae.**

Col. No. 4050. Erect perennial; leaves oblong, to 4 inches long; flowers inconspicuous. (Cuttings.)

240615. *ARUNDINARIA* sp. **Poaceae.**

Col. No. 4061. 'Variegata'. Rank-growing bamboo to 8 feet high; foliage yellowish-variegated. (Plants.)

240616. *BEGONIA ERYTHROPHYLLA* Neuman **Begoniaceae.**

Col. No. 4053. Rhizomatous perennial; leaves kidney-shaped, thick, lustrous green above, reddish beneath. (Rhizomes.)

240617. *ERYNGIUM PANDANIFOLIUM* Cham. & Schlecht. **Apiaceae.**

Col. No. 4048. Rank perennial to 15 feet high; leaves strap-shaped, to 6 feet long, spine-tipped; flowers purplish, in small round heads. (Plant.)

240614 to 240623—Continued**240618.** *EUONYMUS PENDULUS* Wall. Celastraceae.

Col. No. 4051. Evergreen tree to 50 feet high; leaves to 4 inches long, abruptly pointed, dark green, finely serrate; flowers greenish or yellowish.

(Cuttings.)

240619. *FICUS PRINCEPS* Kunth & Bouche Moraceae.**Fig.**

Col. No. 4052. Small-leaved type, probably deciduous.

240620. *RHYTIDOPHYLLUM TOMENTOSUM* (L.) Mart. Gesneriaceae.

Col. No. 4047. Shrubby plant to 5 feet high; leaves to 9 inches long; flowers greenish-yellow.

240621. *PEPEROMIA PERESKIAEFOLIA* H.B.K. Piperaceae.

Col. No. 4054. Sprawling, procumbent, square-stemmed perennial; leaves rhombic, whorled; stems red, veins prominent. (Cuttings.)

240622. *PEPEROMIA VELUTINA* Linden & Andre.

Col. No. 4055. Sprawly to semi-erect perennial; stems reddish; leaves dark green, velvety above, reddish beneath. (Cuttings.)

240623. *PILEA PUBESCENS* Lieb. Urticaceae.

Col. No. 4049. Perennial herb to 6 inches high; leaves rugose, shiny green above, young growth reddish. (Cuttings.)

240624. *AMORPHOPHALLUS TITANUM* Becc. Araceae.

From Indonesia. Corms presented by F. J. Nainggolan, Taman Hewan, Kota Besar, Pematang Siantar. Received June 6, 1957.

240625 to 240630. *ALEURITES MONTANA* (Luro.) Wilson Euphorbiaceae. **Mu-oil tree.**

From Nyasaland. Seeds presented by the Bvumbwe Tung and Agricultural Experiment Station, Limbe. Received June 6, 1957.

240625. A1A.**240628.** E 464.**240626.** E 49.**240629.** E 484.**240627.** E 424.**240630.** V 17.**240631.** *SACCHARUM* sp. Poaceae.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 6, 1957.

Col. No. 207. Madang.

240632. *LOLIUM MULTIFLORUM* Lam. Poaceae. **Italian ryegrass.**

From France. Seeds presented by Loiseau Freres, Le Mans (Sarthe). Received June 6, 1957.

A local selection.

240633 to 240640. *ORYZA SATIVA* L. Poaceae.**Rice.**

From India. Seeds presented by the Central Rice Research Institute, Cuttack, Orissa. Received June 10, 1957.

240633. No. Ch 2.**240637.** No. GS 481.**240634.** No. Ch 45.**240638.** No. GS 529.**240635.** No. Ch 47.**240639.** No. GS 779.**240636.** No. GS 413.**240640.** No. GS 784.

240641 and 240642. SECALE CEREALE L. Poaceae. Rye.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received June 10, 1957.

240641. Sample A. From the Pesto Agropecuario, Ararangua, State of Santa Catarina.

240642. Sample B. From Estacao Experimental de Horticultura, Domingos Petrolini, State of Rio Grande do Sul. High yield in loose, sandy soil in southern region.

240643 and 240644. CORCHORUS CAPSULARIS L. Tiliaceae. Jute.

From Brazil. Seeds presented by the Instituto Agronomico do Norte, Belem, Para. Received June 10, 1957.

240643. 'Lisa'.

240644. 'Salimoes'.

240645 to 240648.

From Sicily. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 10, 1957.

From the Botanical Garden, Palermo. May 18, 1957.

240645. ELAEODENDRON ILICIFOLIA Tenore Celastraceae.

Col. No. 3976. Evergreen tree to 20 feet high; leaves hollylike.

240646. ELAEODENDRON AUSTRALE Vent.

False-olive.

Col. No. 3975. Tree to 30 feet high.

240647. SAPINDUS MARGINATUS Willd. Sapindaceae.

Soapberry.

Col. No. 3974. Tree to 40 feet high.

240648. THUNBERGIA ELEGANS Borzi Acanthaceae.

Col. No. 3973.

240649 to 240653. ORYZA SATIVA L. Poaceae. Rice.

From Venezuela. Seeds presented by Manuel Rivero, Apisa Farms, Acarigua. Received June 10, 1957.

240649. AP 433.

240652. AP 444.

240650. AP 430.

240653. AP 447.

240651. AP 433.

240654. RHODODENDRON DAURICUM var. MUCRONULATUM (Turcz.) Maxim. Ericaceae.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered July 24, 1957.

'Cornell Pink'. From the National Arboretum, Washington, D.C.

240655 to 240657. SORGHUM VULGARE Pers. Poaceae.

From Libya. Seeds collected by the United States Operations Mission, Tripoli. Received June 10, 1957.

Baidoa Experiment Station, Somalia.

240655. 'Durra Aburas'.

240656. 'Durra Bianca'. (White.)

240657. 'Durra Rossa'. (Red.)

240658 and 240659.

From Italy. Seeds presented by the Plant Production Branch, Food and Agriculture Organization, Rome. Received June 4, 1957.

Locations given are F.A.O. sources.

240658. *HEDYSARUM FLEXUOSUM* L. Fabaceae.

Sweetvetch.

No. 2591. Morocco.

240659. *HEDYSARUM CORONARIUM* L.

Sulla sweetvetch.

No. 2645. Sgaravatti, Italy.

240660. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**

From Canada. Seeds presented by Bodie Seeds, Ltd., Winnipeg, Manitoba. Received June 7, 1957.

'Spanners Allzweck'. Developed by Hermann Spanner, Straubling, Germany.

240661 to 240672. *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**

From the Philippines. Seeds presented by the Bureau of Plant Industry, Manila. Received June 11, 1957.

Grown at the Economic Gardens, Los Banos, Laguna.

240661. 'Acadian'.

240667. 'Hybrid 2217'.

240662. 'Bilofield'.

240668. 'Improved Pelican'.

240663. 'Bilomi #1'.

240669. 'Mis 28 E.B.'.

240664. 'Bilomi #3'.

240670. 'Mis 33 D 1X1'.

240665. 'Black Manchurian'.

240671. 'Yellow Biloxi 37'.

240666. 'E. G. 1'.

240672. 'Yellow Biloxi 12'.

240673 to 240676.

From Uruguay. Seeds presented by the Food and Agriculture Organization, United Nations Technical Adviser, Montevideo. Received June 11, 1957.

240673 and 240674. *RICINUS COMMUNIS* L. Euphorbiaceae.

Castorbean.

240673. 'Bravianna'. Melo, Cerro Largo.

240674. Common type. Cerro Largo.

240675 and 240676. *SECALE CEREALE* L. Poaceae.

Rye.

240675. Centeno de "La Estanzuela." Colonia.

240676. Pico M.A.C. Originally from Argentina.

240677 to 240684.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 11, 1957.

Collected at the Botanical Garden, University of Padua. June 7, 1957.

240677. *ACANTHOPANAX HENRYI* (Oliver) Harms Araliaceae.

Col. No. 4064. Deciduous shrub to 10 feet high; leaflets to 5 inches long; fruits black, juicy, in spherical clusters.

240678. *BERNARDIA GRANDIFOLIA* Muel.-Arg. Euphorbiaceae.

Col. No. 4068. Spiny evergreen shrub.

240679. *CELASTRUS PYRACANTHA* L. Celastraceae.

Col. No. 4069. Spiny evergreen shrub; flowers white.

240680. *HYDRANGEA HETEROMALLA* D. Don Hydrangeaceae.

Col. No. 4063. Deciduous shrub to 10 feet high; leaves to 6 inches long; serrate; flowers white.

240677 to 240684—Continued**240681.** MYRSINE TOMENTOSA Presl Myrsinaceae.

Col. No. 4067. Large evergreen shrub; leaves tomentose beneath, bullate.

240682. SCHEFFLERA DIGITATA Forst. Araliaceae.

Col. No. 4065. Evergreen shrub; leaves digitately divided.

240683. SCHEFFLERA HORSFIELDII Harms

Col. No. 4062. Evergreen shrub; leaves digitately divided.

240684. TETRANTHUS sp. Asteraceae.

Col. No. 4066. Large evergreen shrub; leaves shiny green above, tomentose beneath.

240685. MALPIGHIA PUNICIFOLIA L. Malpighiaceae.

From Puerto Rico. Seeds presented by the Federal Experiment Station, Mayaguez. Received June 11, 1957.

240686 to 240690.

From Ceylon. Seeds presented by the Royal Botanic Gardens, Peradeniya, through E. A. Menninger, Stuart, Fla. Received June 11, 1957.

240686. CORDIA MYXA L. Boraginaceae.**Sebasten.****240687.** DIPTEROCARPUS ALATUS Roxb. Dipterocarpaceae.**240688.** LAFOENSIA VANDELLIANA Cham. & Schlecht. Lythraceae.**240689.** MICHELIA NILAGIRICA Zenker Magnoliaceae.**240690.** OCHNA SQUARROSA L. Ochnaceae.**240691 to 240695.**

From India. Seeds presented by the Forest Research Institute, Dehra Dun, through E. A. Menninger, Stuart, Fla. Received June 11, 1957.

Origin unknown.

240691. DIPTEROCARPUS sp. Dipterocarpaceae.**240692.** EHRETIA ACUMINATA R. Br. Boraginaceae.**240693.** MILLETTIA PENDULA Benth. Fabaceae.**240694.** WENDLANDIA EXCERTA DC. Rubiaceae.**240695.** SESBANIA GRANDIFLORA (L.) Poir. Fabaceae.**240696 and 240697.**

From the Philippines. Cuttings presented by the American Battle Monuments Commission, Fort William McKinley, Rizal. Received June 11, 1957.

240696. MUSSAENDA PHILIPPICA A. Rich. Rubiaceae.

'Dona Aurora'.

240697. MUSSAENDA (hybrid).'Dona Alicia'. (*M. philippica* × *M. eratropylla*).**240698. LOLIUM MULTIFLORUM Lam. Poaceae. Italian ryegrass.**

From France. Seeds presented by Loiseau Freres, Le Mams (Sarthe). Received June 12, 1957.

No. 2. Cultivated in the Department of Mayenne.

240699 to 240730.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 12, 1957.

240699 to 240730—Continued

240699. *ACACIA WILLARDIANA* Rose Mimosaceae.

Col. No. 16479. Rocky volcanic hill, Cojon del Diablo, north of Guaymas, Sonora. Apr. 28, 1957. Tree small, thin, graceful; bark whitish, peeling; wild ornamental.

240700. *LEUCAENA LANCEOLATA* S. Wats. Mimosaceae.

Col. No. 16514. In forest, Tepopa, Sierra Saguaribo, Sonora. February 1957. Wild virgate shrub; stems long, straight.

240701. *ACUAN* sp. Mimosaceae.

Col. No. 16561. Clay soil thicket along highway, near Bacum, Sonora. May 3, 1957. Slender shrublet to 1.8 meter high; apparently wild perennial.

240702. *ARTHROSTYLIDIUM LONGIFOLIUM* (Fourn.) E. G. Camus Poaceae.

Col. No. 16537. Tepopa, Sierra Saguaribo, Sonora. February 1957. Elevation 1,055 meters. Wild, bamboo-like canes; used locally.

240703. *BIGNONIA* sp. Bignoniaceae.

Col. No. 16494. In canyon, Tepopa, Sierra Saguaribo, Sonora. February 1957. Tree wild.

240704. *CAESALPINIA PLATYLOBA* S. Wats. Caesalpiniaceae.

Col. No. 16493. San Bernardo, Sonora; April 1957. Small tree or shrub; single trunk; wild.

240705. *CASSIA BIFLORA* L. Caesalpiniaceae.

Senna.

Col. No. 16509. In forest, San Bernardo, Sonora. March 1957. Shrub wild, to 1.5 meter high; crown small, spreading.

240706. *CENCHRUS MYOSUROIDES* H.B.K. Poaceae.

Big sandbur.

Col. No. 16573. Rancho, Carrizal, southwest of Benjamin Hill, Chihuahua. May 5, 1957. Elevation 663 meters. Arroyo margin alluvium. Tall, tough, caney, wild; browsed by cattle.

240707. *CONZATTIA SERICEA* Standl. Mimosaceae.

Col. No. 16482. Tepopa, Sonora. February 1957. Tall tree; crown light, thin; drought deciduous; wild.

240708. *CORNUS DISCIFLORA* Moc. & Sesse Cornaceae.

Dogwood.

Col. No. 16547. Oak forest zone, Tepopa, Sierra Saguaribo, Sonora. February 1957. Wild, wide-spreading, ornamental tree; probably not cold hardy.

240709. *DALEA GRAYI* (Vail) L. O. Williams Fabaceae.

Col. No. 16491. Volcanic slopes, San Bernardo, Sonora. April 1957. Wild virgate perennial, about 2 meters high.

240710. *ACUAN* sp. Mimosaceae.

Col. No. 16549. Along arroyo, Tepopa, Sierra Saguaribo, Sonora. February 1957. Large, wild, perennial herb; leaves large, brewed and used locally for rheumatism.

240711. *FICUS RADULINA* S. Wats. Moraceae.

Fig.

Col. No. 16507. Arroyos, San Bernardo, Sonora. February 1957. Very large, wild tree; fruits sweet, edible.

240712. *GOSSYPIUM THURBERI* Todaro Malvaceae.

Cotton.

Col. No. 16585. Arroyo alluvium, Sierra Tesota, near Rancho Palo Alto, Sonora. May 5, 1957. Slender wild plant to 2 meters high.

240713. *HAEMATXYLUM BRASILETTO* Karst. Caesalpiniaceae.

Logwood.

Col. No. 16490. In forest, San Bernardo, Sonora. April 1957. Small stiff tree used in dye making.

240699 to 240730—Continued

240714. *HINTONIA LATIFOLIA* Bullock Rubiaceae.

Col. No. 16542. In forest, San Bernardo, Sonora. February 1957. Slender, wild, ornamental tree; flowers showy in winter; not cold hardy.

240715. *ILEX RUBRA* S. Wats. Aquifoliaceae. **Holly.**

Col. No. 16508. Tepopa, Sierra Saguaribo Sonora. February 1957. Elevation 1,055 meters. Large symmetrical, densely leafy, wild ornamental tree.

240716. *INDIGOFERA SUFFRUTICOSA* Mill. Fabaceae. **Indigo.**

Col. No. 16489. San Bernardo, Sonora. March 1957. Elevation 301 meters. Erect, wild, perennial bush, used as a dye.

240717. *MONTANOA ROSEI* Rob. & Greenm. Asteraceae.

Col. No. 16495. In forest, San Bernardo, Sonora. March 1957. Rapid growing, long-stemmed, caespitose, wild perennial.

240718. *MAHONIA LONGIPES* Standl. Berberidaceae.

Col. No. 16512. In oak forest zone, Tepopa, Sierra Saguaribo, Sonora. February 1957. Elevation 1,055 meters. Wild shrub; wood bright yellow; used in dyeing leather and cloth.

240719. *PITHECELLOBIUM DULCE* (Roxb.) Benth. Mimosaceae. **Guamachil.**

Col. No. 16554. Miramas by Rio Mayo, Sonora. May 2, 1957. Wild tree; seeds unusually large; pulp sweet.

240720 to 240724. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae. **Canaigre.**

Collected 12 miles south of Nogales, Sonora. Apr., 1957.

240720. Col. No. 16473. Low wild plant; several stems; leaves small.

240721. Col. No. 16474. Low, wild, drought-inhibited perennial.

240722. Col. No. 16475. Wild plant, 3 to 4 stems.

240723. Col. No. 16476. Wild plant; late seeding.

240724. Col. No. 16477. Wild, drought-inhibited perennial.

240725. *SALPIANTHUS MACRODONTUS* Standl. Nyctaginaceae.

Col. No. 16500. San Bernardo, Sonora. Apr. 30, 1957. Perennial to 6 feet high; roots fleshy; used as food by Indians.

240726. *SESBANIA* sp. Fabaceae.

Col. No. 16481. Clay soil in flood plain, often standing in water, northwest of Bicom, Sonora. Apr. 28, 1957. Plant to 2 meters high, wild; stalks dry; semi-dehiscent.

240727. *SETARIA MACROSTACHYA* H.B.K. Poaceae. **Plains bristlegrass.**

Col. No. 16586. Arroyo alluvium under mesquite, Sierra Tesota near Palo Alto, Sonora. May 5, 1957. Wild, leafy, bunchgrass, rather coarse; browsed by cattle.

240728. *STEVIA* sp. Asteraceae.

Col. No. 16487. Sierra Saguaribo, Sonora. February 1957. Elevation 1,806 meters. Wild, local medicinal herb.

240729. *TABEBUIA PALMERI* Rose Bignoniaceae.

Col. No. 16499. San Bernardo, Sonora. Apr. 30, 1957. Wild ornamental tree; flowers pink.

240730. *TRICHILIA HIRTA* L. Meliaceae.

Col. No. 16485. Sapopa near San Bernardo, Sonora. Mar., 1957. Wild, subtropical, symmetrical tree.

240731 and 240732. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.

From Italy. Seeds presented by Anselmo Stella, La Foraggera, Bologna. Received June 12, 1957.

240731. No. 1. Province of Reggio Emilia.

240732. No. 2. Province of Udine.

240733. *SIMMONDSIA CHINENSIS* (Link) C. Schneid. Buxaceae.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 12, 1957.

Collected in the Sonora Desert, California.

240734 to 240740.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered June 13, 1957.

240734. *OSMANTHUS AMERICANUS* (L.) Gray Oleaceae.

(Creech 797) Seaside, Norfolk, Va. June 7, 1957.

240735. *STEWARTIA MALACODENDRON* L. Theaceae.

(Creech 798) Cultivated, Norfolk, Va. June 7, 1957.

240736. *SYMPLOCOS TINCTORIA* (L.) L'Herit. Symplocaceae. Sweetleaf.

(Creech 799) Seaside, Norfolk, Va. June 7, 1957.

240737. *GELSEMIUM SEMPERVIRENS* (L.) Ait. f. Loganiaceae.

(Creech 800) San dunes, Virginia Beach, Va. June 7, 1957.

240738. *CLEMATIS CRASSIFOLIA* Benth. Ranunculaceae.

B-47221. Originally from Tatsumoto National Forest, Tanegashima, Japan.

240739. *MAGNOLIA X WATSONII* Hook. f. Magnoliaceae.

B-4577. From C. O. Erlanson, Silver Spring, Md. June 11, 1957.

240740. *AMELANCHIER CANADENSIS* (L.) Medic. Malaceae. Serviceberry.

B-42161. Collected by J. L. Creech, about 2 miles from Keysville, Charlotte County, Va. Apr. 14, 1950. Flowers flushed pink.

240741 and 240742.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 14, 1957.

Collected at Sgaravatti Nurseries, Padua. June 8, 1957.

240741. *CAMP SIS RADICANS* (L.) Seem. Bignoniaceae.

Col. No. 4070. 'Golden Trumpet'. Rank-growing deciduous climber; flowers golden yellow. (Plants.)

240742. *PANDOREA RICASOLIANA* (Tanf.) Baillon Bignoniaceae.

Col. No. 4071. Flowers soft rose. (Cuttings.)

240743 to 240747. *SACCHARUM* (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Bureau of Sugar Experiment Station Brisbane, Queensland. Received June 14, 1957.

240743. No. 45.

240746. No. 58.

240744. No. 55.

240747. No. 59.

240745. No. 56.

240748 to 240751.

From Germany. Seeds presented by the Deutsche Akademie, Munchenberger.
Received June 14, 1957.

240748 and 240749. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae. **Blue lupine.**

240748. 'Blaue II'.

240749. 'Stamm'.

240750 and 240751. *LUPINUS LUTEUS* L.

European yellow lupine.

240750. 'Weiko II'.

240751. 'Weiko III'.

240752 to 240768.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 17, 1957.

From Botanical Garden, University of Genoa. June 10, 1957.

240752. *BOEHMERIA MACROPHYLLA* D. Don Urticaceae.

Col. No. 4086. Shrub to 3 feet high; stems, petiole, leaf veins reddish; flowers red, nearly 2 inches long.

240753. *ARDISIA HUMILIS* Vahl Myrsinaceae.

Col. No. 4085. Shrub to 10 feet high; leaves obovate, to 8 inches long, leathery, acute; flowers rose-pink, in umbels; fruit berrylike, black.

240754. *BANKSIA VERTICILLATA* R. Br. Proteaceae.

Col. No. 4076. Evergreen shrub to 10 feet high; leaves green above, silvery-white beneath; inflorescence conelike; flowers mauve.

240755. *BUXUS MICROPHYLLA* var. *JAPONICA* (Muell.-Arg.) Rehd. & Wils.
Buxaceae. **Japanese box.**

Col. No. 4083. Evergreen shrub; branches spreading, somewhat drooping; leaves to 1 inch long.

240756. *BUXUS MICROPHYLLA* Sieb. & Zucc.

Box.

Col. No. 4081. Evergreen shrub to 8 feet high; leaves to 1 inch long.

240757. *CITHAREXYLUM PEOPPIGII* Walp. Verbenaceae.

Col. No. 4075. Evergreen shrub to 6 feet high; leaves lanceolate, shining above; flowers in racemes, small, bluish.

240758. *COLEUS PENZIGII* Baker Menthaceae.

Col. No. 4082. Soft, white hairy, perennial herb to 18 inches high; leaves to 3 inches long; flowers bright violet, late summer.

240759. *CURTISIA FAGINEA* Ait. Cornaceae.

Col. No. 4077. Evergreen tree to 40 feet high; leaves digitately then pinnately divided.

240760. *CUSSONIA THYRSIFLORA* Thunb. Araliaceae.

Col. No. 4073. Evergreen shrub or tree to 12 feet high; leaves digitately 5-lobed, deep green, lustrous; flowers small, white, in spikes.

240761. *DEBREGEASIA HYPOLEUCA* Wedd. Urticaceae.

Col. No. 4088. Herb to 18 inches high; leaves narrowly elliptic, rugose, strongly raised veins beneath, impressed above.

240762. *FICUS ARBUTIFOLIA* Link Moraceae.

Fig.

Col. No. 4074. Evergreen shrub; leaves to 4 inches long, ovate, variegated.

240763. *IPOMOEA* × *HARDINGII* Paxt. Convolvulaceae.

Col. No. 4090. Tuberous-rooted perennial twiner; leaves 3-lobed; flowers rose-purple, deep purple throat; garden hybrid.

240752 to 240768—Continued**240764.** *NOTELAEA EXCELSA* Webb & Berth. Oleaceae.

Col. No. 4089. Much-branched evergreen shrub or tree to 25 feet high; leaves hollylike, leathery, deep green, lustrous; fruit olivelike, black.

240765. *SAURAUJA SERRATA* DC. Dilleniaceae.

Col. No. 4080. Small evergreen tree; leaves to 10 inches long, serrate, green above, tomentose beneath.

240766. *STROBILANTHES LACTATUS* Hook. Acanthaceae.

Col. No. 4079. Herb with ovate mottled leaves, green above, whitish below.

240767. *TRICHOCLADUS CRINITUS* Pers. Hamamelidaceae.

Col. No. 4078. Rusty-tomentose, evergreen shrub; leaves dark green above; flowers whitish; witch hazel relative. Native to South Africa.

240768. (Undetermined).

Col. No. 4087. Evergreen subshrub; leaves elliptic, shiny green above.

240769 to 240784. *ZEA MAYS* L. Poaceae.**Corn.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 17, 1957.

Grown at Adelaide, South Australia.

240769. 187.1 × 191.1.**240777.** 397.3 0.**240770.** 311.39 × 311.38.**240778.** 409.34 × 410.3.**240771.** 32.18 0.**240779.** 438.6 × 438.4.**240772.** 330.2 × 316.6.**240780.** 439.2 × 439.1.**240773.** 331.1 × 313.17.**240781.** 440.5 0.**240774.** 331.2 × 331.6.**240782.** 441.1 0.**240775.** 358.2 0.**240783.** 518.9 0.**240776.** 359.20.**240784.** 392.5 0.**240785 to 240794.**

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 18, 1957.

240785. *SACCHARUM EDULE* Hassk. Poaceae.**Sugarcane.**

Col. No. 211. 'Ken'. Dumpu, Ramu River. June 3, 1957. Elevation 800 feet.

240786 to 240792. *SACCHARUM OFFICINARUM* L.**Sugarcane.****240786 to 240790.** Dumpu, Ramu River. June 3, 1957. Elevation 800 feet.**240786.** Col. No. 209. 'Om'.**240789.** Col. No. 213. 'Be'.**240787.** Col. No. 210. 'Kwis'.**240790.** Col. No. 214. 'Mom'.**240788.** Col. No. 212. 'Ogoro'.**240791 and 240792.** Aiome, Ramu River. June 4, 1957. Elevation 350 feet.**240791.** Col. No. 215. 'Indupin'.**240792.** Col. No. 216. 'Comus'.**240793 and 240794.** *SACCHARUM ROBUSTUM* Brandes & Jesw.**Sugarcane.****240793.** Col. No. 208. Dumpu, Ramu River bank. June 3, 1957. Elevation 800 feet.**240794.** Col. No. 217B. Atembre, Ramu River. June 5, 1957.
(57 NG 217 B.)

240795. DIOSCOREA COMPOSITA Hemsl. Dioscoreaceae. Yam.

From Mexico. Seeds presented by Don K. Cox, Syntex, District Federal. Received June 18, 1957.

'CR-92'. Tierra Blanca, Veracruz.

240796 to 240803.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 18, 1957.

From the Stazione Sperimentale di Floricoltura "O. Raimondo" San Remo. June 12, 1957. Cuttings unless otherwise noted.

240796. CALLICARPA MACROPHYLLA Vahl Verbenaceae. Beautyberry.

Col. No. 4111. Semideciduous, tomentose shrub to 8 feet high; leaves elliptic, serrate; berries pure white, in dense clusters.

240797. EUCOMMIA ULMOIDES Oliv. Trochodendraceae.

Col. No. 4099. Deciduous tree to 30 feet high; leaves elmlike.

240798. HYPOESTES SANGUINOLENTA Hook. Acanthaceae.

Col. No. 4097. Perennial herb to 18 inches high; leaves green and mottled pink above; flowers rose pink.

240799. LOPEZIA MINIATA DC. Onagraceae.

Col. No. 4098. Much-branched perennial to 3 feet high; flowers rose; excellent bedding plant.

240800. PHYGELIUS CAPENSIS E. Mey. Scrophulariaceae.

Col. No. 4092. Much-branched perennial to 3 feet high; flowers brick red, tubular, penstemonlike.

240801. PHYTOLACCA DODECANDRA L'Her. Phytolaccaceae.

Col. No. 4095. Shrub to 20 feet high; flowers white.

240802. ROSMARINUS OFFICINALIS L. Menthaceae. Rosemary.

Col. No. 4100. 'Prostratus'. Prostrate evergreen shrub; leaves narrow.

240803. (Undetermined.)

Plant. (No field note.)

240804 to 240808. ZEA MAYS L. Poaceae. Corn.

From the United States. Seeds presented by the University of Illinois, Urbana, Illinois. Received June 18, 1957.

'Black Mexican' sweet corn.

240804. 56-150-1.

240807. 56-151-11.

240805. 56-150-4.

240808. 56-151-12.

240806. 56-151-6.

240809. VITIS TILIAEFOLIA Humb. & Bonpl. Vitaceae. Grape.

From Costa Rica. Presented by the Instituto Inter-Americano de Ciencias. Agrícolas, Turrialba. Received June 18, 1957.

From farm of Jose Ma Arios, Rio Segundo.

240810 to 240814.

From Italy. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 18, 1957.

From Stazione Sperimentale di Floricoltura "O. Raimondo," San Remo. June 12, 1957.

240810. BOSEA AMHERSTIANA Hook. f. Amaranthaceae.

Col. No. 4106. Scrambling shrub; leaves small, white-variegated.

240810 to 240814—Continued

240811. *CROSSANDRA NILOTICA* Oliver Acanthaceae.

Col. No. 4096. Perennial to 2 feet high; leaves ovate-acuminate, about 4 inches long, pubescent; flowers in dense spikes, salmon-red.

240812. *MAESA* sp. Myrsinaceae.

Col. No. 4110. Perennial; leaves alternate, ovate.

240813. *PELARGONIUM ZONALE* (L.) L'Her. Geraniaceae.

Horseshoe geranium.

Col. No. 4094. 'Millionaire'. Extremely vigorous cultivar; inflorescence 6 inches across and flowers to 2 inches in diameter; salmon-pink.

240814. *MONTANAO TOMENTOSA* Cerv. Asteraceae.

Col. No. 4112. Much-branched shrub to 12 feet high; leaves pubescent; ray flowers white.

240815 and 240816. MALPIGHIA PUNICIFOLIA L. Malpighiaceae.

From Puerto Rico. Plants presented by the Federal Experiment Station, Mayaguez. Received June 19, 1957.

240815. B-15.

240816. B-17.

240817 and 240818.

From Algeria. Presented by the Station Experimentale de Ferme Blanche, Perregaux, Oran. Received June 19, 1957.

240817. *MALUS SYLVESTRIS* Mill. Maleceae.

Common apple.

'Pommier Llorca'.

240818. *PRUNUS ARMENIACA* L. Amygdalaceae.

Apricot.

'Boullida'.

240819 to 240825.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 19, 1957.

From the Stazione Sperimental di Floricoltura "O. Raimondo," San Remo. June 12, 1957.

240819. *CHRYSANTHEMUM* sp. Asteraceae.

Col. No. 4109. Much-branched perennial to 3 feet high; leaves finely divided, glaucous; flowers white.

240820. *CISSUS STRIATA* Ruiz & Pav. Vitaceae.

Striped treebine.

Col. No. 4108. Perennial climber; leaves digitately 5-lobed, the leaflets to 2 inches long, dark reddish-green.

240821. *CONVOLVULUS MAURITANICUS* Boiss. Convolvulaceae.

Morocco convolvulus.

Col. No. 4104. 'Sabatius'. Creeping perennial; flowers deep blue.

240822. *DISCHIDIA BENGALENSIS* Colebr. Asclepidaceae.

Col. No. 4102. Succulent-leaved epiphyte; leaves oblong-lanceolate, flat; flowers inconspicuous.

240823. *PEPEROMIA RESEDAEFLORA* Linden & Andre Piperaceae.

Col. No. 4103. Perennial to 6 inches high; stems succulent; leaves metallic, green above, glistening green below.

240824. *PILEA NUMMULARIAEFOLIA* Wedd. Urticaceae.

Col. No. 4105. Much-branched creeping perennial.

240819 to 240825—Continued

240825. *SENECIO SAXIFRAGA* DC. Asteraceae. **Groundsel.**

Col. No. 4101. Perennial to 12 inches high; leaves serrate-dentate, long-petiolate; ray flowers yellow.

240826 to 240828.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 19, 1957.

240826. *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**

Col. No. 784. Wissel Lakes. May 17, 1957.

240827. *NICOTIANA TABACUM* L. Solanaceae. **Common tobacco.**

Col. No. 790. Near Kota Nico, Hollandia. May 27, 1957.

240828. *PIPER NIGRUM* L. Piperaceae. **Black pepper.**

Col. No. 757. 'Bangka'. Wosi Experiment Station, near Manokwari. May 7, 1957.

240829 to 240841.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 19, 1957. Localities mentioned are Australian sources.

240829. *ASTREBLA* sp. Poaceae.

No. 2. West of Toowoomba.

240830. *BOTHRIODCHLOA DECIPIENS* (Hack.) C. E. Hubb. Poaceae.

No. 10. From Lawes.

240831 to 240833. *BOTHRIODCHLOA INTERMEDIA* (R. Br.) A. Camus.

240831. No. 4. Lawes.

240832. No. 8. Lawes.

240833. No. 11. Bowenville.

240834. *CAPILLIPEDIUM PARVIFLORUM* (R. Br.) Stapf. Poaceae.

No. 9. Lawes.

240835 to 240837. *DICHANTHIUM SERICEUM* (R. Br.) A. Camus Poaceae.

240835. No. 1. Bowenville.

240836. No. 5. Lawes.

240837. No. 13. Bowenville.

240838. *EULALIA FULVA* (R. Br.) Kuntze Poaceae. **Sugar grass.**

No. 6. Bowenville.

240839. *HETEROPOGON CONTORTUS* (L.) Beauv. Poaceae. **Tanglehead.**

No. 7. Lawes.

240840. *ISEILEMA MEMBRANACEUM* Domin Poaceae.

No. 3. Jondaryan.

240841. *THEMEDA* sp. Poaceae.

No. 12. Lawes.

240842. *LUCULIA GRATISSIMA* (Wall.) Sweet Rubiaceae.

From India. Seeds presented by the Chandra Nursery, N. Bengal, through E. A. Menninger, Stuart, Fla. Received June 19, 1957.

240843 to 240856.

From Turkey. Seeds presented by the International Cooperation Administration, United States Operations Mission, Ankara. Received June 19, 1957. Localities given are Turkish sources.

240843. *LUPINUS ALBUS* L. Fabaceae.

White lupine.

'Guruh'. Geleman State Seed Increase Farm near Samsun on the Black Sea.

240844 to 240856. *SESAMUM INDICUM* L. Pedaliaceae.

Sesame.

240844. No. 1966. Mersin, Iscel and Tarsus.

240845. No. 1967. Imroz, an Island in the Aegean Sea.

240846. No. 1968. Manisa, Noma.

240847. No. 1969. Izmir, Kariz.

240848. No. 1970. Izmir, Kariz.

240849. No. 1971. Kinar, Genceli.

240850. No. 1972. Menemen.

240851. No. 1978. Yugoslavia.

240852. No. 1979. Yenice.

240853. No. 1980. Yenice and Inegol, Bursa.

240854. No. 1987.

240855. No. 1988.

240856. No. 1989.

240857 to 240873.

From Great Britain. Seeds presented by Dr. F. R. Irvine, London, England. Received June 19, 1957. Localities given are Dr. Irvine's sources.

240857 to 240862. *CERATOTHECA SESAMOIDES* Endl. Pedaliaceae.

240857 to 240859. From Uganda, East Africa.

240857. Seeds brown. Lango.

240858. Seeds dark brown. Palaro, Acholi District.

240859. Seeds light brown. Palaro, Acholi District.

240860 to 240862. From Ghana, West Sahara, Africa.

240860. 'Bungu'. (i) South Mamprussi.

240861. 'Bungu'. (ii) South Mamprussi.

240862. 'Zinzam'. South Mamprussi.

240863 to 240873. *VOANDZEIA SUBTERRANEA* (L.) Thouars Fabaceae.

240863 to 240866. From Mount Makuru Research Station, Northern Rhodesia.

240863. Seeds brown. Southern Province.

240864. Seeds white. Southern Province.

240865. Seeds brown. Eastern Province.

240866. Seeds brown. Northern Province.

240867 to 240869. From Uganda, East Africa.

240867. Seeds light reddish brown.

240868. Seeds darker reddish brown.

240869. Seeds black.

240870. Seeds light brown. From Angola.

240857 to 240873—Continued**240863 to 240873—Continued**

240871 to 240873. From Ghana, W. Sahara, Africa.

240871. Seeds white. Babile/Lawra District.

240872. Seeds black. Babile/Lawra District.

240873. Seeds white. Northwest Ashanti.

240874 and 240875.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 20, 1957.

240874. *CASSIA LEPTOCARPA* Benth. Caesalpineaceae.

Senna.

Col. No. 16673. Boyce Thompson Arboretum, Superior, Arizona. April 1957.

240875. *HELMIA SALICIFOLIA* (H.B.K.) Link Lythraceae.

Col. No. 16677. Boyce Thompson Arboretum, Superior, Arizona. April 1957. Bushy, ornamental shrub; used medicinally.

240876. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae. **Canaigre.**

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 20, 1957.

Col. No. 16680. Five miles south of Sage along road to Aguanga, California. April 1957.

240877 to 240892.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 20, 1957.

240877. *BRONGNIARTIA* sp. Caesalpineaceae.

Col. No. 16604. Garboncillo. Ahuaje Pescado, east of Matape, Sonora. May 13, 1957. Short woody perennial, branching from base; flowers dark red; seeds edible when young.

240878. *BURSERA FAGAROIDES* Engl. Burseraceae.

Col. No. 16598. Sierra de Mazatan, Sonora. May 12, 1957. Elevation 2,500 feet. Low, spreading, leafless, fruiting tree.

240879. *CUCURBITA DIGITATA* A. Gray Curcubitaceae.

Col. No. 16589. Los Posos, northwest Sonora. Apr. 7, 1957. Elevation 1,500 feet. Wild ground vine.

240880. *DALEA GRAYI* (Vail) L. O. Wms. Fabaceae.

Col. No. 16614. Rancho Guitarra, south of Bacanor, Sonora. May 16, 1957. Elevation 2,500 feet. Wild, slender, virgated perennial; browsed by animals.

240881. *GOSSYPIMUM THURBERI* Todaro Malvaceae.

Cotton.

Col. No. 16662A. Sierra between Ures and Moctezuma, Sonora. May 22, 1957. Elevation 3,000 feet. Single stem shrub to 6 feet high.

240882. *GUARDIOLA* sp. Asteraceae.

Col. No. 16610. Ahuaji Pescado, east of Matape, Sonora. May 13, 1957. Elevation 2,700 feet. Leafy, wild, ornamental bush to 5 feet high.

240877 to 240892—Continued

240883 and 240884. *IPOMOEA ARBORESCENS* (Willd.) Don Convolvulaceae. **Tree morning-glory.**

240883. Col. No. 16592. East of Hermosillo. Wild, ornamental tree; branches arching; bark shining white.

240884. Col. No. 16636. Scattered on rocky slopes, east of Moctezuma, Sonora. May 19, 1957. Elevation 3,000 feet. Small wild tree; bark white.

240885. *JACQUINIA PUNGENS* A. Gray Theophrastaceae.

Col. No. 16670. San Bernardo, Sonora. Apr., 1957. Low, dense, wild, evergreen shrub, sensitive to hard frost; leaves pungent-tipped.

240886. *LOTUS GREENEI* (Woot. & Standl.) Ottley Fabaceae. **Trefoil.**

Col. No. 16654. Sierra Murrieta, east of Bacanora, Sonora. May, 1957. Low, spreading, perennial herb; seeding freely.

240887. *LUFFA* sp. Cucurbitaceae.

Col. No. 16429. Limestone soil east of Cardenez, along road to Villa Flores, Chiapas. Mar. 20, 1957. Climbing vine; fruits numerous, brindled.

240888. *MARSDENIA EDULIS* S. Wats. Asclepiadaceae.

Col. No. 16671. San Bernardo, Sonora. Mar., 1957. Vine climbing on shrubs and trees; green fruits edible.

240889. *RANDIA LAEVIGATA* Standley Rubiaceae.

Col. No. 16595. Sierra de Mazatan, Sonora. May 12, 1957. Low spreading tree or shrub.

240890. *TECOMA STANS* (L.) Juss. Bignoniaceae.

Col. No. 16597. Caballitos. Sierra di Mazatan, Sonora. May 12, 1957. Wild, spreading, fine-leaved shrub.

240891. *TEPHROSIA* sp. Fabaceae.

Col. No. 16566. About 45 miles north of Guaymas, Sonora. Perennial wild herb; flowers reddish purple; browsed by cattle when tender.

240892. (Undetermined.)

Col. No. 16640. Mountain east of Guasabas, Sonora. May 21, 1957. Elevation 4,000 feet. Spreading shrub.

240893. *ADENIUM OBESUM* (Forsk.) Roem. & Schult. Apocynaceae. From Cuba. Plants presented by the Atkins Gardens and Research Laboratory, Cienfuegos. Received June 21, 1957.

240894. *DENDROCALAMUS STRICTUS* (Roxb.) Nees. Poaceae. **Bamboo.** From Cuba. Seeds presented by the Atkins Institution, Soledad. Received June 24, 1957.

240895 to 240897. *GOSSYPIUM* (hybrids). Malvaceae. **Cotton.** From Argentina. Seeds presented by the Estacion Experimental, Saenz Pena, Chaco. Received June 24, 1957.

240895. 'J. Brebbia 83'.

240896. 'Saenz Pena M 58'.

240897. 'Saenz Pena 85'.

240898 to 240913.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 24, 1957.

240898 to 240913—Continued**240898 to 240909.** *SACCHARUM OFFICINARUM* L. Poaceae. **Sugarcane.**

From Bainyik, except where noted. June 7, 1957.

240898. Col. No. 218. **240905.** Col. No. 225.**240899.** Col. No. 219. **240906.** Col. No. 226.**240900.** Col. No. 220. **240907.** Col. No. 227.**240901.** Col. No. 221. **240908.** Col. No. 228.**240902.** Col. No. 222. **240909.** Col. No. 229.**240903.** Col. No. 223. Japanout village near Pagwi on
240904. Col. No. 224. Sepik River.**240910 to 240912.** *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.****240910.** Col. No. 230. Near Sepik River near Pagwi. June 9, 1957.**240911.** Col. No. 231. Near Sepik River at Angoram. June 12, 1957.**240912.** Col. No. 232. Edge of Sepik River at Angoram. June 12, 1957.**240913.** *SACCHARUM EDULE* Hassk. **Sugarcane.**

Col. No. 233. 'Singangan'. Near Angoram. June 12, 1957.

240914. *EURYA EMARGINATA* var. *MICROPHYLLA* Makino Theaceae.

From Japan. Cuttings presented by the Kyusyu Agricultural Experiment Station, Kurume, Fukuoka. Received June 24, 1957.

240915 to 240922.

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 24, 1957.

240915 to 240921. *SACCHARUM ROBUSTUM* Brandes & Jesw. Poaceae. **Sugarcane.****240915.** Col. No. 795. River bank of Ramu River at Dumpu. June 3, 1957.**240916.** Col. No. 796. Edge of Ramu River at Dumpu. June 3, 1957.**240917.** Col. No. 801. Edge of Ramu River at Atemble. June 5, 1957.**240918.** Col. No. 802. Edge of airstrip at Awar. June 6, 1957.**240919.** Col. No. 806. Sepik River near Pagwi. Yellow form. June 9, 1957.**240920.** Col. No. 807. Near Japanout village opposite Pagwi on Sepik River. June 9, 1957.**240921.** Col. No. 808. Near Japanout village opposite Pagwi on Sepik River. June 9, 1957.**240922.** *SACCHARUM SPONTANEUM* L. **Sugarcane.**

Col. No. 797. Edge of Ramu River at Dumpu. June 3, 1957.

240923 and 240924.

From France. Plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 21, 1957. Collected June 15, 1957.

240923. *BUXUS SEMPERVIRENS* L. Buxaceae. **Common box.**

Col. No. 4118. Steep rocky mountain slopes near Turini, 40 miles north of Nice, Alpes-Maritimes. Elevation 4,000 feet. Evergreen shrub to 8 feet high.

240924. *LILIUM POMPONIUM* L. Liliaceae. **Lily.**

Col. No. 4120. Talus slopes above the River Vesubie near Lantosque, 25 miles north of Nice, Alpes-Maritimes. Robust plant to 3 feet high; leaves grasslike; flowers deep orange-red.

240925 to 240927. NARCISSUS TAZETTA L. Amaryllidaceae.

From Italy. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 25, 1957.

From Botanical Garden, University of Pisa, Pisa.

240925. Col. No. 4046.

240926. Col. No. 4057. 'Barlae'.

240927. Col. No. 4058. 'Chrysanthus'.

240928 to 240931. PRUNUS PERSICA (L.) Batsch Amygdalaceae.

Peach.

From the United States. Plants growing at the United States Plant Introduction Station, Chico, California. Numbered June 25, 1957.

Seedling of P.I. 107838, 'Mas Tas'. Collected by Peter Liu, Peiping, China, in the vicinity of Feicheng, 1935.

240928. JL-94.

240930. JL-104.

240929. JL-100.

240931. JL-116.

240932 to 240936. COFFEA ARABICA L. Rubiaceae.

Arabian coffee.

From Ethiopia. Seeds presented by Arthur Bechtel, Addis Ababa. Received June 26, 1957.

240932. BE-5. 'Wush-wush'. Dakia forest, west of the town of Bonga. Elevation 6,000 feet.

240933 to 240935. Cuti region, west of the town of Chembo on the Bonga Road. Elevation 5,000 feet.

240933. BE-6. 'Moderalo'. Beans large; susceptible to *Hemileia*.

240934. BE-7. 'Boggia'. Beans and leaf medium size; good producer; resistant to local strain of *Hemileia*.

240935. BE-8. 'Era'. Beans small; leaves long-strap; good producer; primitive type; resistant to local strain of *Hemileia*.

240936. BE-9. 'Shebe'. Bellete Forest, near the town of Shebe. Elevation 5,500 feet. Plants with no disease.

240937 to 240971.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered June 26, 1957.

Presented by Henry J. Hohman, Kingsville, Md.

240937. BUXUS BALEARICA Lam. Buxaceae.

Spanish box.

240938. BUXUS HARLANDII Hance

Box.

240939 to 240944. BUXUS MICROPHYLLA Sieb. & Zucc.

Box.

240939. Typical form.

240942. 'Kingsville 2A'.

240940. 'Compacta'.

240943. 'Curly Locks'.

240941. 'Green Pillow'.

240944. 'Kingsville 4A'.

240945. BUXUS MICROPHYLLA var. JAPONICA (Muell.-Arg.) Rehd. & Wils.

Japanese box.

240946. BUXUS MICROPHYLLA var. KOREANA Nakai ex Rehder

Box.

240947. BUXUS MICROPHYLLA var. SINICA Rehd. & Wils.

Box.

240948. BUXUS SEMPERVIRENS var. MYRTIFOLIA Sweet ex Rehder

Box.

240937 to 240971—Continued**240949 to 240971. BUXUS SEMPERVIRENS L.****Common box.**

- 240949. 'Angustifolia Salicifolia'.
- 240950. 'Arborescens'.
- 240951. 'Aurea Maculata'.
- 240952. 'Aurea Maculata Pendula'.
- 240953. 'Elegantissima Argenteo Variegata'.
- 240954. 'Glauca'.
- 240955. 'Handsworthii'.
- 240956. 'Joe Gable'.
- 240957. 'Marginata Aurea'.
- 240958. 'Latifolia Maculata'.
- 240959. 'Latifolia Macrophylla-Rotundifolia'.
- 240960. 'Myosotifolia'.
- 240961. 'Navicularis'.
- 240962. 'Northern New York'.
- 240963. 'Pendula'.
- 240964. 'Prostrata'.
- 240965. 'Hardwickensis'.
- 240966. 'Pyramidalis Variegata'.
- 240967. 'Rosmarinifolia Thymifolia'.
- 240968. 'Salicifolia'.
- 240969. 'Salicifolia Elata'.
- 240970. 'Varifolia'.
- 240971. 'Welleri'.

240972 to 240976.

From Australia. Seeds presented by E. A. Menninger, Stuart, Fla. Received June 27, 1957.

From Epping, New South Wales, Australia.

- 240972. CASSIA EREMOPHILA A. Cunn. Caesalpinaceae. **Senna.**
- 240973. CLIANTHUS SPECIOSUS (Endl.) Steud. Fabaceae. **Parrotbeak.**
- 240974. EREMOPHILA LONGIFOLIA (R. Br.) F. Muell. Myoporaceae.
- 240975. MELALEUCA ELLIPTICA Labill. Myrtaceae.
- 240976. MELALEUCA WILSONII F. Muell.

240977 to 240984.

From Great Britain. Seeds presented by the Welsh Plant Breeding Station, Plas Gogerddan, Aberystwyth, Wales. Received June 27, 1957.

- 240977. LOLIUM MULTIFLORUM Lam. Poaceae. **Italian ryegrass.**
No. S.22/KS/56.
- 240978 to 240980. LOLIUM PERENNE L. **Perennial ryegrass.**
- 240978. S.23/AB/56 F.S.
- 240979. S.24/BM/56.
- 240980. S.101/BG/56.

240977 to 240984—Continued

- 240981.** *LOLIUM REMOTUM* Schrank Ryegrass.
Bar 6301.
- 240982.** *LOLIUM RIGIDUM* Gaud. Wimmera ryegrass.
Ba 6154.
- 240983.** *LOLIUM TEMULENTUM* L. Darnel.
Bat 6304.
- 240984.** *LOLIUM STRICTUM* Presl Ryegrass.
Bal 6298.

240985 to 240991.

From New Guinea. Collected by C. O. Grassl and John Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 27, 1957.

- 240985 to 240989.** *SACCHARUM OFFICINARUM* L. Poaceae. Sugarcane.
From Keravat, New Britain Island. June 14, 1957. (Cuttings.)
- 240985.** Col. No. 234.
- 240986.** Col. No. 235.
- 240987.** Col. No. 236.
- 240988.** Col. No. 237.
- 240989.** Col. No. 239.

- 240990 and 240991.** *SACCHARUM ROBUSTUM* Brandes & Jesw. Sugarcane.
240990. Col. No. 238. Keravat, New Britain Island, June 14, 1957. (Cuttings.)
- 240991.** Col. No. 809. Bank of Sepik River, below Pagwi. June 9, 1957. Red form. (Seeds.)

240992 to 240994. *NARCISSUS TAZETTA* L. Amaryllidaceae.

From Italy. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 28, 1957.

Botanical Garden, University of Pisa, Pisa. June 1, 1957.

- 240992.** Col. No. 4060. 'Aureus'.
- 240993.** Col. No. 4056. 'Italicus'.
- 240994.** Col. No. 4059. 'Papyraceus'.

240995. *CASSIA* sp. Caesalpinaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received June 28, 1957.

Col. No. 16627. Oak woodland, limestone soil, Sierra Murrieta near Toribusi, west of Bacanora, Sonora. Elevation 4,500 feet. May 17, 1957. Perennial herb with several divergent stems, silky new leaves and fetid odor.

240996. *SORGHUM ALMUM* Parodi Poaceae.

From Argentina. Seeds presented by the Agricultural Attache, United States Embassy, Buenos Aires. Received June 28, 1957.

240997 to 241000. *CORCHORUS CAPSULARIS* L. Tiliaceae. Jute.

From Brazil. Seeds presented by the Instituto Agronomico do Norte, Belem, Para. Received July 1, 1957.

- 240997.** 'Branca'. **240999.** 'Roxa'.
- 240998.** 'Lisa'. **241000.** 'Solimoes'.

241001 to 241017.

From Australia. Seeds presented by the Commonwealth Scientific & Industrial Research Organization, Canberra. Received July 1, 1957.

241001 and 241002. *NICOTIANA EXIGUA* Wheeler Solanaceae.

241001. No. TS 255. Augethella, southwestern Queensland.

241002. No. TS 274. St. George, Queensland.

241003. *NICOTIANA FRAGRANS* Hook. Solanaceae.

C.P.I. 21285. Tongatabu, Pacific Ocean.

241004 to 241006. *NICOTIANA GOODSPEEDII* Wheeler

241004. No. TS 55. Penong.

241005. No. TS 100. Port Pirie.

241006. No. TS 222. Watson.

241007 to 241010. *NICOTIANA MEGALOSIPHON* Heurck & Muell.—Arg.

241007. No. TS 241. South of Wiluna.

241008. No. TS 283. Muttaborra, Blackall-Rolleston areas, Queensland.

241009. No. TS 284. Blackall, Longreach, Emerald Region, Queensland.

241010. No. TS 285. Barcaldine area, Queensland.

241011. *NICOTIANA* sp.

No. TS 122. Murchison Gold Field.

241012. *NICOTIANA GOODSPEEDII* Wheeler.

No. TS 45. Blue Mountains, New South Wales.

241013. *NICOTIANA GOODSPEEDII* Wheeler.

No. TS 115. Port Augusta.

241014. *NICOTIANA EXIGUA* Wheeler.

No. TS 168. Port Augusta.

241015. *NICOTIANA* sp.

No. TS 162. Marta Bore.

241016. *NICOTIANA* sp.

No. TS 177. Leonora.

241017. *NICOTIANA* sp.

No. TS 179. Leonora.

241018 to 241025.

From France. Seeds and plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 1, 1957.

From the garden of Major Lawrence Johnston, Sere de la Madone, Val du Gorbio, Menton, Alpes Maritimes.

241018. *BUDDLEIA CRISPA* var. *FARRERI* (Balf. & W. W. Sm.) Hand.—Mazz. Loganiaceae.

Col. No. 4421. Deciduous shrub to 8 ft. high; leaves densely white, tomentose. Plant very handsome. (Seeds.)

241019. *DESFONTAINEA* sp. Loganiaceae.

Col. No. 4425. Evergreen shrub to 3 ft. high; branches pendulous; leaves nearly oval, sharp-toothed. (Cuttings.)

241020. *CORDYLINE TERMINALIS* (L.) Kunth Liliaceae. **Common dracena.**

Col. No. 4422. Woody perennial to 8 ft. high; rhizomatous; stem thick. (Cuttings.)

241018 to 241025—Continued**241021.** *SEDUM* sp. Crassulaceae.

Col. No. 4420. Leaves succulent, pubescent. (Cuttings.)

241022. *SEDUM* sp.

Col. No. 4420. (Seeds.)

241023. *SEDUM* sp.

Col. No. 4426. Succulent perennial to 10 in. high; flowers white. Viviparous propagules appear at the nodes throughout the inflorescence. (Cuttings.)

241024. *BALLOTA ACETABULOSA* Benth. Menthaceae.

Col. No. 4424. Perennial to 4 feet high; much-branched; leaves densely white-woolly; flowers lavender. (Cuttings.)

241025. (Undetermined.)

(No field note.) (Rhizome.)

241026 to 241030.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 2, 1957.

241026. *CHASMANTHE AETHIOPICA* (L.) N.E. Br. Iridaceae.

Col. No. 4113. Garden of Domenico Arcardi, Villa Minerva, Poggio, San Remo. Perennial; foliage lush, gladioluslike; flowers in February. (Corms.)

241027. *PHYGELIUS CAPENSIS* E. Mey. Scrophulariaceae.

Col. No. 4092. Brick red perennial; flowers penstemonlike. San Remo. (Cuttings.)

241028. *PODRANEA BRYCEI* (N.E. Brown) Sprague Bignoniaceae.

Col. No. 4107. Stazione Sperimentale di Floricoltura "O. Raimondo", San Remo. Large vigorous vine; flowers pink. (Seed pods.)

241029. *ROSA* sp. Rosaceae.

Col. No. 4091. 'Ophelia'. Garden of Domenico Arcardi, Villa Minerva, Poggio, San Remo. Bush to 6 ft. high; flowers pink. A tea rose hybrid used as a seed parent for breeding greenhouse roses.

241030. *VIOLA CORNUTA* L. Violaceae.**Tufted pansy.**

Col. No. 4093. 'San Remo'. Stazione Sperimentale di Floricoltura "O. Raimondo," San Remo. Plant vigorous to 8 inches high; flowers blue, blotched white, floriferous, showy. (Seed.)

241031. *SCHOENOCaulon officinale* (Schlecht.) A. Gray ex Benth. Melanthiaceae. **Cebadilla.**

From Venezuela. Seeds presented by the Centro de Investigaciones Agronomicas, Maracay. Received July 2, 1957.

Grown at La Victoria, Aragua.

241032 to 241034.

From Guatemala. Plants presented by M. Pacheco, Guatemala City. Received July 2, 1957.

241032. *CATASETUM SCURRA* Reichb. f. Orchidaceae.**241033.** *CYPRIPEDIUM CAUDATUM* Lindl. Orchidaceae.**241034.** *LYCASTE SKINNERI* Lindl. Orchidaceae.

241035 to 241082.

From the United States. Collected by F. J. Hermann and B. M. Leese, agricultural explorers, Plant Introduction Station, Crops Research Division, Beltsville, Md. Received August 1955.

241035 and 241036. *ALOPECURUS ALPINUS* J. E. Smith Poaceae.

241035. Col. No. 12424. Belly River Valley, Glacier County, Montana. Plant to 7 feet high; matures earlier than the common timothy. Animals prefer this when in flower. (Seed.)

241036. Col. No. 12486. In sedge meadow about 4 miles north of Jackson Mountain, Beaverhead County, Montana. (Seed.)

241037. *AMELANCHIER ALNIFOLIA* Nutt. ex Roemer Malaceae

Col. No. 12149. White River Valley, 4 miles northeast of Buford, Rio Blanco, Colorado. (Seed.)

241038. *ASTRAGALUS AMERICANUS* (Hook.) M. E. Jones. Fabaceae.

Col. No. 12429. Belly River Valley, Glacier County, Montana. (Seed.)

241039. *ASTRAGALUS BISULCATUS* (Hook.) Gray

Col. No. 12123. Near Huntsville, Daggett County, Utah. Spreading habit. (Seed.)

241040. *ASTRAGALUS CANADENSIS* var. *BREVIDENS* (Gand.) Barneby

Col. No. 12120. Sheep Creek Canyon, Daggett County, Utah, Upright, rather woody, along stream, Plant 1.5 feet high. Elevation 7,500 feet. (Seed.)

241041. *ASTRAGALUS LENTIGINOSUS* var. *TREMULATORUM* Barneby

Milkvetch.

Col. No. 12074. Lamoille Canyon, Elko County, Nevada. Aspen wooded area along stream. (Seed.)

241042. *ASTRAGALUS MISER* var. *OBLONGIFOLIUS* (Rydb.) Cronquist

Milkvetch.

Col. No. 12139. Summit of Springs Ranger Station, Daggett County, Utah. Elevation 8,500 feet. (Seed.)

241043. *BECKMANNIA SYZIGACHNE* (Steud.) Fernald Poaceae.

Col. No. 101-12066. Growing in ditch in field, north of Independence Mountain, Elko County, Nevada. Elevation 7,000 feet. Plant to 4 feet high, green and succulent. (Seed.)

241044. *BECKMANNIA* sp. Poaceae.

Along Belly River, Glacier County, Montana. (Seed.)

241045. *BOUTELOUA CURTIPENDULA* (Michx.) Torr. Poaceae.

Yellowstone National Park, near Tower Junction, Wyoming. (Seed.)

241046. *BOUTELOUA GRACILIS* (H.B.K.) Lag.

Yellowstone National Park, near Tower Junction, Wyoming. (Seed.)

241047 and 241048. *BROMUS MARGINATUS* Nees Poaceae. **Mountain brome.**

241047. Klamath County, Oregon. South entrance to Rogue River National Forest, Route 62. Elevation 5,500 feet. Plant to 3 feet high. (Seed.)

241048. In dry meadow with ponderosa pine and Douglas-fir, 6 miles north of Union Creek, Route 62, Klamath County, Oregon. Plant to 4.5 feet high. (Seed.)

241049. *CAREX ARCTA* Boott Cyperaceae.

Along Lake McDonald, Glacier National Park, Glacier County, Montana. (Seed.)

241035 to 241082—Continued

241050. *DANTHONIA* sp. Poaceae.

Fremont County, Wyoming. (Seed.)

241051. *DESCHAMPSIA CAESPITOSA* (L.) Beauv. Poaceae. **Tufted hair grass.**

Col. No. 12454. One-half mile off North Fork road up Camus Creek Valley, Flathead County, Montana. (Seed.)

241052. *DESCHAMPSIA ELONGATA* (Hook.) Munro

Col. No. 12325. Stemple Pass, Helena National Forest, Lewis and Clark County, Montana. (Seed.)

241053. *DISTICHLIS STRICTA* (Torr.) Rydb. Poaceae.

Col. No. 12064. Alkaline greasewood plain, 30 miles east of Wennimucea, Idaho. (Seed.)

241054. *ECHINOPANAX HORRIDUM* Cooper Araliaceae.

East of Lake McDonald, Glacier National Park, Montana. (Seed.)

241055. *ENNEAPOGON DESVAUXII* Beauv. Poaceae.

Col. No. 12586. 11 miles east of Jacob Lake, Kaibab, Coconino County, Arizona. Plant 8 inches high; abundant. (Seed.)

241056. *HEDYSARUM* sp. Fabaceae.

Near boundary line 1 mile below International Highway along Belly River, Alberta, Canada. (Seed.)

241057 and 241058. *LUPINUS ARGENTUS* Pursh Fabacea.

241057. Col. No. 12140. Summit Springs Ranger Station, Ashley Forest, Daggett County, Utah. Elevation 8,500 feet. (Seed.)

241058. Col. No. 12186. 5 miles north of Mesa Lakes in Asper Grove, Mesa County, Colorado. Elevation 8,500 feet. (Seed.)

241059 and 241060. *LUPINUS CAUDATUS* Kell.

241059. Col. No. 11951. Beckwourth School, Beckwourth, California. Elevation 4,945 feet. (Seed.)

241060. Col. No. 12070. Two or 3 isolated plants on Tuscorora Mountains. Route 11, Elko, Humboldt County, Nevada. (Seed.)

241061. *LUPINUS HUMICOLA* A. Nels.

Col. No. 12306. Near Togwater Pass, Fremont County, Wyoming. (Seed.)

241062. *LUPINUS SERICUES* Pursh

Col. No. 12169. 19 miles west of Tragyura Lake, Route 132. Rio Blanco County, Colorado. Elevation 8,050 feet. Flowers purple with tinge of white. (Seed.)

241063. *PETALOSTEMUM MOLLE* Rydb. Fabaceae.

Col. No. 12343. Stemple Pass, Lewis and Clark County, Montana. (Seed.)

241064 and 241065. *PHALARIS ARUNDINACEA* L. Poaceae.

Reed canarygrass.

241064. 5 miles north of Oregon border, Route 97, Klamath County, Oregon. Abundant, to 4 feet high, along irrigation ditch. (Seed.)

241065. (No data.) (Seed.)

241066 and 241067. *POA CANBYI* (Scribn.) Piper Poaceae. **Bluegrass.**

241066. Col. No. 11947. Seirra Valley Grange, Winton, Plumas County, California. Abundant. (Seed.)

241067. Col. No. 11943. Road to Squaw Valley, Truckee Valley, Placer County, California. (Seed.)

241035 to 241082—Continued**241068.** *POA PRATENSIS* L.**Kentucky bluegrass.**

Col. No. 11959. Fort Creek Motel, Route 62, 3 miles south of Fort Klamath, Klamath County, Oregon. Elevation 5,500 feet. (Seed.)

241069. *SAMBUCUS* sp. *Caprifoliaceae*.

Between Buford and New Castle, Rio Blanco County, Colorado. Fruit yellow. (Seed.)

241070. *SCHEDONNARDUS PANICULATUS* (Nutt.) Trel. *Poaceae*.

Col. No. 12212. Emery Creek, Rabbit Bush Plains, 18 miles northwest of Woodside, Carbon County line, Utah. (Seed.)

241071. *SITANION HYSTRIX* (Nutt.) J. G. Smith *Poaceae*.

Col. No. 11937. Donner Lake, Nevada County, California. Elevation 6,000 feet. (Seed.)

241072. *SPOROBOLUS AIROIDES* (Torr.) Torr. *Poaceae*.

Col. No. 12213. 17 miles west of Woodside along the Carbon County line, Utah. (Seed.)

241073. *SPOROBOLUS CONTRACTUS* Hitchc.

Col. No. 12585. Yellowstone National Park, Wyoming. (Seed.)

241074. *STIPA COLUMBIANA* var. *NELSONII* (Scribn.) Hitchc. *Poaceae*.

Col. No. 11965. Fort Creek Motel, Klamath County, Oregon. (Seed.)

241075. *STIPA OCCIDENTALIS* Thurb.**Western needlegrass.**

Col. No. 11939. Nevada County, California. Elevation 6,000 feet. (Seed.)

241076. *THERMOPSIS RHOMBIFOLIA* (Nutt.) Richards. *Fabaceae*.

Col. No. 12129. West of Sheep Creek Canyon, Daggett County, Utah. (Seed.)

241077. *THERMOPSIS XYLORRHIZA* A. Nels.

Col. No. 81-12042. Cold Spring Mountain, Idaho County, Idaho. Elevation 6,600 feet. (Seed.)

241078. *TRIFOLIUM REPENS* L. *Fabaceae*.**White clover.**

Little Salmon River, Route 95, Idaho County, Idaho. Elevation 4,000 feet. Creeping plant on a mica outcrop. (Seed.)

241079. *TRIDENS MUTICUS* (Torr.) Nash *Poaceae*.

(No data.) (Seed.)

241080 and 241081. *VICIA AMERICANA* Muhl. *Fabaceae*.**241080.** Col. No. 12115. Wheeler Spring at Snow Basin in mountains, Ogden County, Utah. (Seed.)**241081.** Col. No. 12421. Near International Border, 1 mile below Route 17, Belly River, Glacier National Park, Montana. (Seeds.)**241082.** *VICIA OREGANA* Nutt.

5 miles north of Mesa Lake, Asper Grove, Mesa County, Colorado. Elevation 8,500 feet. (Seed.)

241083 to 241099.

From countries as indicated. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 2, 1957.

From La Mortola, Villa Hanbury, near Ventimiglia, Italy.

241083. *CANTUA BUXIFOLIA* Lam. *Polemoniaceae*.

Col. No. 4642. Evergreen shrub to 6 feet high; branches pendulous; flowers long, tubular, purplish-red, tube striped yellow. (Cuttings.)

241083 to 241099—Continued

241084. *OREOPANAX FLORIBUNDUM* (H.B.K.) Decne. & Planch. Araliaceae.

Col. No. 4641. Evergreen shrub to 30 feet high; much-branched; leaves waxy green above, lighter beneath. (Cuttings.)

241085. *PELARGONIUM PELTATUM* (L.) Ait. Geraniaceae.

Col. No. 4637. Double-flowered, lavender form of ivy-leaved geranium.

241086 to 241088. From Monaco. Received July 2, 1957.

241086. *LIMONIASTRUM MONOPETALUM* (L.) Boiss. Plumbaginaceae.

Col. No. 4497. On rocks in the public gardens. Shrub to 10 feet high; branches pendulous; flowers lavender, pink and showy. (Cuttings.)

241087. (Undetermined.)

Col. No. 4635. Greenhouse of the Municipal Gardens. Plant coarse; leaves leathery; fronds strap-shaped. (Plant.)

241088. (Undetermined.) Brassicaceae.

Col. No. 4498. Palace garden. Annual to 6 inches high. (Seeds.)

241089 to 241092. Botanical Garden, Les Cedres, St. Jean, Cap Ferrat (Alpes Maritimes.) France.

241089. *KALANCHOE LONGIFOLIA* Geddes Crassulaceae.

Col. No. 4115. Plant erect, to 4 feet high, much-branched towards the top. (Seed.)

241090. *KALANCHOE MANGINII* R. Ham. & Perr.

Col. No. 4117. Flowers scarlet. (Seed.)

241091. *SENECIO GLASTIFOLIUS* L. f. Asteraceae.

Col. No. 4114. Plant to 5 feet high, much-branched, flat-topped; flowers lavender to white. (Seed.)

241092. *CINERARIA SAXIFRAGA* DC. Asteraceae.

Col. No. 4416. Plant much-branched, spreading; leaves to 2 inches long; flowers yellow. (Seed.)

241093 to 241099. From Italy. Received July 3, 1957. La Mortola, near Ventimiglia.

241093. *ACACIA PENDULA* A. Cunn. Mimosaceae.

Wattle.

Col. No. 4638. Branches pendulous. (Cuttings.)

241094. *BANKSIA LATIFOLIA* R. Br. Proteaceae.

Col. No. 4640. Hardy shrub, much-branched, inflorescence creamy-white. (Cuttings.)

241095. *BOWKERIA GERRARDIANA* Harv. ex Hiern Scrophulariaceae.

Col. No. 4637. Large shrub; flowers viscid, white, with a resinous odor. (Cuttings.)

241096. *JACOBINIA SUBERECTA* Andre Acanthaceae.

Col. No. 4647. Perennial herb to 18 inches high, much-branched; leaves tomentose; flowers orange. (Cuttings.)

241097. *ROSMARINUS OFFICINALIS* L. Menthaceae.

Rosemary.

Col. No. 4643. 'Prostratus'. Prostrate evergreen shrub. (Cuttings.)

241098. *ARAUJIA SERICIFERA* Brot. Asclepiadaceae.

Col. No. 4636. Rampant woody climber; leaves green above, white beneath; flowers pink. (Cuttings.)

241099. *OREOPANAX FLORIBUNDUM* (H.B.K.) Decne. & Planch. Araliaceae.

Col. No. 4644. Evergreen shrub; leaves digitate. (Cuttings.)

241100 to 241113.

From the Solomon Islands. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 3, 1957.

241100 to 241106. *SACCHARUM OFFICINARUM* L. Poaceae. **Sugarcane.**

241100. Col. No. 240. 'Tovu Sole'. Betikama, Guadalcanal.

241101. Col. No. 241. 'Malases'. Betikama, Guadalcanal.

241102. Col. No. 242. 'Orfu-Buru'. Malaita.

241103. Col. No. 243. 'Orfu-Sari'. Malaita.

241104. Col. No. 244. Nggela, Florida Island.

241105. Col. No. 245. Nggela, Florida Island.

241106. Col. No. 247. 'Doma'.

241107. *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**

Col. No. 246. Tenaru, Guadalcanal. (Cuttings.)

241108. *SACCHARUM* sp.

Col. No. 248. Takambaro, Visale, Guadalcanal. (Cuttings.)

241109 to 241113. From indicated countries.

241109 and 241110. *SACCHARUM ROBUSTUM* Brandes & Jesw. **Sugarcane.**

241109. Col. No. 812. Edge of Sepik River, Angoram, New Guinea. Red-fleshed.

241110. Col. No. 818. Betekama, on Lunga River, Guadalcanal.

241111 to 241113. *SACCHARAUM SPONTANEUM* L.

241111. Col. No. 813. Low field, along Sepik River, Angoram, New Guinea.

241112. Col. No. 819. Edge of roads and airfield, Honiara, Guadalcanal.

241113. Col. No. 822. Roadside near Kokopo, 20 miles from Rabaul, New Guinea.

241114. *ACACIA BONARIENSIS* Gillies ex Hook. & Arn. **Mimosaceae.**

From Cuba. Seeds presented by the Atkins Institution, Cienfuegos. Received July 5, 1957.

241115. *BETA MACRORHIZA* Stev. **Chenopodiaceae.**

From Great Britain. Seeds presented by the Plant Breeding Institute, Trumpington, Cambridge, England. Received July 5, 1957.

241116. *INDIGOFERA* sp. **Fabaceae.** **Indigo.**

From French Equatorial Africa. Seeds presented by the Institut d'Etudes Central Africaines, Brazzaville. Received July 5, 1957.

241117. *TRIFOLIUM MEDIUM* Huds. **Fabaceae.** **Mammoth clover.**

From New Zealand. Seeds presented by the Grasslands Division, Palmerston North. Received July 7, 1957.

241118 to 241137.

From New Guinea. Cuttings collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 5, 1957.

241118. *CITRUS* sp. **Rutaceae.**

Col. No. 816. Kusawun near Wewak. Plant wild; fruit large; rind very thick.

241118 to 241137—Continued

241119 and 241120. *SACCHARUM OFFICINARUM* L. Poaceae. Sugarcane.

241119. Col. No. 251. 'Amoe'. Hangan, Buka.

241120. Col. No. 252. 'Tohu'. Hangan, Buka.

241121 and 241122. *SACCHARUM ROBUSTUM* Brandes & Jesw.

241121. Col. No. 249. Honiara, Guadalcanal.

241122. Col. No. 250. Buka, near airfield.

241123 to 241128. *SACCHARUM OFFICINARUM* L. Sugarcane.

241123. Col. No. 256. 'Muumuu'. Epo airfield.

241124. Col. No. 257. 'Oe'. Epo. Mekio.

241125. Col. No. 258. 'Kipili'. Epo.

241126. Col. No. 259. 'Egepio'. Epo.

241127. Col. No. 260. 'Imau-opo'. Epo.

241128. Col. No. 262. 'Gobe'. Popondetta.

241129 and 241130. *SACCHARUM ROBUSTUM* Brandes & Jesw.

241129. Col. No. 255. Medio, Epo.

241130. Col. No. 261. Popondetta. Not hairy.

241131. (Undetermined.)

Col. No. 835. Popondetta.

241132 and 241133. *SACCHARUM OFFICINARUM* L. Sugarcane.

241132. Col. No. 253. Kerevat.

241133. Col. No. 254. Bitagunan, near Kerevat.

241134 to 241136. *SACCHARUM SPONTANEUM* L.

241134. Col. No. 831. Epo. Typical, but largest seen.

241135. Col. No. 832. Epo, near airfield. Typical of great mass of plants. Very abundant.

241136. Col. No. 835. Popondetta. In grassy plains on sandy well-drained areas.

241137. *SACCHARUM* sp.

Col. No. 833. Epo. One large patch, late flowering, somewhat intermediate between *Saccharum spontaneum* and *Saccharum robustum*.

241138 to 241166.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 8, 1957. Cuttings unless otherwise noted.

Jardin Botanique, "Les Cedres", St. Jean, Cap Ferrat, Alpes Maritimes.

241138. *ARISAEMA FARGESII* Buchet Araceae.

Col. No. 4856. Thick rhizomatous perennial; leaves deeply 3-lobed on the flowering stalks. (Plant.)

241139. *BEGONIA FUSCA* Klotzsch Begoniaceae.

Col. No. 4857. 'Maculata'. (Cuttings.)

241140. *BEGONIA SCHARFFII* Hook. f.

Col. No. 4854. Rhizomatous; leaves produce offsets from the veins.

241141. *BEGONIA* sp.

Col. No. 4853. Apparently a 'Rex' begonia, but unlike most of this group.

241138 to 241166—Continued**241142. BEGONIA sp.**

Col. No. 4863. 'Monsieur Moneyron'. (Leaves.)

241143. CAREX MORROWII Boott Cyperaceae.**Morrow sedge.**

Col. No. 4852. Tufted perennial; leaves to 1 foot long, grasslike, white-margined. (Plant.)

241144. CISSUS CIRRHOSA (Thunb.) Pers. Vitaceae.

Col. No. 4782. Rampant climber with tendrils; leaves rather fleshy; flowers very small. (Plant.)

241145. GREVILLEA ROSMARINIFOLIA A. Cunn. Proteaceae.

Col. No. 4849. Evergreen shrub to 5 feet high; leaves narrow.

241146. HEDYCHUM CORONARIUM × H. GREENII Zingiberaceae.

Col. No. 4818. (Rhizome and plant.)

241147. HEDYCHUM GREENII W. W. Smith.

Col. No. 4814. Plant rhizomatous, to 6 feet high; leaves hairy; flowers yellow, streaked red. (Plant.)

241148. IODINA RHOMBIFOLIA Hook. & Arn. ex Reissek Santalaceae.

Col. No. 4851. Low, much-branched evergreen shrub; leaves prickly, hollylike; fruit with a white fleshy aril.

241149. MELOTHRIA HEDERACEA Cogn. Curcubitaceae.

Col. No. 4824. Weak-stemmed vine; leaves to 1 inch wide, very thick, succulent.

241150. MUCUNA ATROPURPUREA (Roxb.) DC. Fabaceae.

Col. No. 4793. Rampant climber to 50 feet long; inflorescence pendulous; flowers purplish. (Seed pods.)

241151. NEMATANTHUS LONGIPES DC. Gesneriaceae.

Col. No. 4847. Erect perennial, often shrubby; flowers scarlet.

241152. OREOPANAX ECHINOPS (Schl. & Cham.) Decne. & Planch. Araliaceae.

Col. No. 4865. Evergreen tree to 20 feet high; leaves digitately 3-foliate, hairy.

241153. OREOPANAX XALAPENSE (H.B.K.) Decne. & Planch.

Col. No. 4866. Large evergreen bush; leaves dull; flowers greenish.

241154. PELARGONIUM SALMONEUM R. A. Dyer. Geraniaceae.

Col. No. 4860. Flowers pink.

241155. PEPEROMIA BREVIPES C. DC. Piperaceae.

Col. No. 4838. Plant prostrate; leaves 0.25 inch long.

241156. PHILODENDRON sp. Araceae.

Col. No. 4848.

241157. PHILODENDRON LONGIPETIOLATUM Engl.

Col. No. 4864. (Plant.)

241158. PIPER KADZURA (Choisy) Ohwi Piperaceae.

Col. No. 4859. Rampant evergreen climber.

241159. SALVIA COCCINEA Jacq. Menthaceae.**Sage.**

Col. No. 4861. Rhizomatous perennial; flowers scarlet.

241160. SCILLA PAUCIFOLIA Baker Liliaceae.

Col. No. 4846. Plant; leaves pale green, spotted; flowers greenish. (Bulbs.)

241138 to 241166—Continued**241161.** *SCILLA VIOLACEA* Hatch.

Col. No. 4812. (Bulbs.)

241162. *SCHIZOCENTRON ELEGANS* (Schlecht.) Meisner Melastomataceae.

Col. No. 4836. (Plant.)

241163. *STROBILANTHES GLOMERATUS* (Nees) T. Anders. Acanthaceae.

Col. No. 4862. Perennial; leaves soft-pubescent, green above, lighter below.

241164. *THUNBERGIA CORDATA* Colla Acanthaceae.

Col. No. 4855. Vigorous vine; flower 3 inches across, indigo blue.

241165. *TREVASIA PALMATA* Vis. Araliaceae.

Col. No. 4850. Small evergreen tree; leaves demorphic; juvenile leaves digitately divided. (Plant.)

241166. *WOODWARDIA RADICANS* (L.) J. E. Sm. Polypodiaceae.

Col. No. 4858. Plant robust; leaves leathery; buds viviparous, formed on the fronds; fronds to 4 feet long. (Leaves.)

241167. *LEUCAENA LEUCOCEPHALA* (Lam.) de Wit Mimosaceae.**Leadtree.**From the Philippines. Seeds presented by the Bureau of Forestry, Manila.
Received July 8, 1957.**241168 to 241201. THEOBROMA CACAO L. Sterculiaceae. Cacao.**

From the United States. Plants growing at the United States Plant Introduction Garden, Coconut Grove, Florida. Numbered July 9, 1957.

(Clones, of Mexican origin, collected in Guatemala in March 1947, by E. P. Imle, at the Rubber-Cacao Station, Cuyontenango, Suchitepeques.) Yields are in kilos of dry seeds per tree per year taken on mother trees. The budwood was cut on April 27, 1955, at Finca "La Rioja", Tapachula, Chiapas, Mexico, except for clones 113-R and 117-R which were obtained from the Mexican Cacao Experiment Station, Tapachula.

241168. 15794 9-R. Over 10 kg.**241169.** 15810 75-R. Over 9 kg.**241170.** 15817 106-R. Over 9 kg.**241171.** 15819 117-R. Over 9 kg.**241172.** 15812 78-R. Over 8 kg.**241173.** 15797 15-R. Over 8 kg.**241174.** 15815 101-R. Over 8 kg.**241175.** 15792 6-R. Over 8 kg.**241176.** 15799 23-R. Over 8 kg.**241177.** 15816 105-R. Over 8 kg.**241178.** 15795 10-R. Over 8 kg.**241179.** 15818 113-R. Over 7 kg.**241180.** 15798 19-R. Over 7 kg.**241181.** 15814 100-R. Over 7 kg.**241182.** 15808 56-R. Over 7 kg.**241183.** 15807 52-R. Over 7 kg.**241184.** 15793 8-R. Over 7 kg.**241185.** 15785 8-P. Over 7 kg.**241186.** 15786 10-P. Over 7 kg.**241187.** 15788 22-P. Over 7 kg.

241168 to 241201—Continued

241188. 15789 23-P. Over 7 kg.
 241189. 15790 43-P. Over 7 kg.
 241190. 15791 2-R. Over 6 kg.
 241191. 15809 71-R. Over 6 kg.
 241192. 15805 44-R. Over 6 kg.
 241193. 15800 24-R. Over 6 kg.
 241194. 15796 13-R. Over 6 kg.
 241195. 15801 30-R. Over 6 kg.
 241196. 15811 76-R. Over 6 kg.
 241197. 15803 39-R. Over 6 kg.
 241198. 15802 34-R. Over 6 kg.
 241199. 15806 48-R. Under 6 kg.
 241200. 15804 41-R. Under 6 kg.
 241201. 15787 21-P. Under 6 kg.

241202 to 241269.

From France, unless otherwise noted. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 9, 1957.

241202. *ARDISIA HUMILIS* Vahl Myrsinaceae.

Col. No. 4085. (No field note.) Italy.

241203. *CONIOGRAMME JAPONICA* Hayata Polypodiaceae.

Col. No. 4084. Greenhouse, Botanical Garden, University of Genoa, Italy. Fern; leaves bi-pinnate, leathery, shiny above.

241204. *HYPOESTES SANGUINOLENTA* Hook. Acanthaceae.

Col. No. 4097. Perennial herb to 18 inches high; leaves green and mottled pink above; flowers rose pink. Italy.

241205. *IODINA RHOMBIFOLIA* Hook. & Arn. ex Reissek Santalaceae.

Col. No. 4851. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat. Low much-branched evergreen shrub; leaves prickly; fruit with a white fleshy aril.

241206. *IPOMOEA* × *HARDINGII* Paxt. Convolvulaceae.

Col. No. 4090. Italy. Tuberous-rooted twining perennial; leaves 3-lobed; flowers rose-purple with deep purple throat.

- 241207 to 241269. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat. (Cuttings.)

241207. *ACACIA PENDULA* A. Cunn. Mimosaceae.

Wattle.

Col. No. 4801. Branches pendulous; leaves and branches silvery.

241208. *ACACIA DEALBATA* Link

Silver wattle.

Col. No. 4797. 'Mirandale'. Small evergreen tree; leaves more finely divided than in the common type.

241209. *BARNARDESIA SPINOSA* L. f. Asteraceae.

Col. No. 4783. Spiny evergreen shrub; leaves dark green, lustrous, fleshy.

241210. *BEGONIA ACETOSA* Vell. Begoniaceae.

Col. No. 4825. Perennial; leaves to 6 inches long, bronze-green above, lustrous, reddish below.

241202 to 241269—Continued**241207 to 241269—Continued**

241211. *BEGONIA BARKERI* Knowl. & Westc.

Col. No. 4832.

241212. *BEGONIA* (hybrid).

Col. No. 4820. (*B. cathayana* × *B. imperialis*).

241213. *BEGONIA CONVULVACEA* A. DC.

Col. No. 4835. Bush; aerial roots to 6 inches long; leaves to 6 inches wide, dark green; flowers white.

241214. *BEGONIA GIGANTEA* Wall.

Col. No. 4823. Rhizomatous plant to 24 inches high; stems robust; leaves oblique, deep green above.

241215. *BEGONIA HERBACEA* Vell.

Col. No. 4839.

241216. *BEGONIA MEXICANA* Karst. & C. Cheval.

Col. No. 4830.

241217. *BEGONIA MASONIANA* Irmscher

Col. No. 4816. Leaves hairy, light green, blackish along the main veins.

241218. *BEGONIA SERRATIPETALA* Irmscher

Col. No. 4826. Fibrous-rooted perennial, much-branched from base; leaves to 4 inches long, undulate crispate, deep bronze green above.

241219. *BEGONIA VENUSTA* King

Col. No. 4806. (Plant.)

241220. *BEGONIA* sp.

Col. No. 4834. 'General Jacques'.

241221. *BUDDLEIA FALLOWIANA* Balf. f. & W. W. Smith Loganiaceae.

Col. No. 4789. Shrub to 5 feet high; leaves lanceolate-acuminate and tomentose; flowers rose-purple with orange eye.

241222. *CENTRADENIA GRANDIFOLIA* Endl. Melastomataceae.

Col. No. 4837. Subshrub to 2 feet high; branches 4-angled; leaves bright red beneath; flowers rose-pink.

241223. *KOPSIA FRUTICOSA* (L.) A. DC. Apocynaceae.

Col. No. 4810. Evergreen shrub; leaves obovate, to 8 inches long; flowers deep pink.

241224. *CORDYLINE* sp. Liliaceae.

Col. No. 4792. Small evergreen tree; leaves uniformly reddish.

241225. *CORDYLINE STRICTA* Endl.

Col. No. 4791. Large evergreen shrub; leaves to 2 feet long 1.25 inches wide; flowers lilac to blue.

241226. *CULCASIA SCANDENS* Beauv. Araceae.

Col. No. 4829. Vine to 50 feet long; leaves evergreen to 10 inches long.

241227. *PEPEROMIA* sp. Piperaceae.

Col. No. 4833.

241228. *DIEFFENBACHIA* × *MEMORIA-CORSII* Fenzl Araceae.

Col. No. 4834.

241202 to 241269—Continued

241207 to 241269—Continued

241229. *ADENANDRA UMBELLATA* Willd. Rutaceae.

Col. No. 4803. Low evergreen shrub; leaves small.

241230. *DISCHIDIA BENGALENSIS* Colebr. Asclepiadaceae.

Col. No. 4819. Succulent-leaved epiphyte; flowers inconspicuous.

241231. *DISCHIDIA SAGITTATA* (Bl.) Decne.

Col. No. 3835.

241232. *DISCHIDIA SAGITTATA* (Bl.) Decne.

Col. No. 4835.

241233. *FICUS PUMILA* L. Moraceae.

Col. No. 4784. 'Variegata'. Creeping evergreen shrub; foliage variegated white.

241234. *GREYA SUTHERLANDII* Hook. & Harv. Melianthaceae.

Col. No. 4804. Evergreen shrub; much-branched; leaves broadly ovate, resemble a *Pelargonium*.

241235. *HEDYCHIUM DENSIFLORUM* Wall. Zingiberaceae.

Col. No. 4815. (Plant).

241236. *HEDYCHIUM GREENII* W. W. Smith.

Col. No. 4814. Rhizomatous plant to 6 inches high; leaves hairy; flowers yellow, streaked red. (Plant.)

241237. *HEDYCHIUM CORONARIUM* × *H. GREENII*

Col. No. 4818. (Plant.)

241238. *HELICHRYSUM SEROTINUM* Boiss. Asteraceae.

Col. No. 4798. Much-branched at base; leaves gray tomentose, inflorescence yellow.

241239. *HEPTAPLEURUM* sp. Araliaceae.

Col. No. 4794. Small evergreen tree to 20 feet high.

241240. *HIPPOBROMUS ALATUS* Eckl. & Zeyr. Sapindaceae.

Col. No. 4790. Tree to 20 feet high; leaves pinnately divided; foliage quite striking.

241241. *HOYA ANGUSTIFOLIA* Traill Asclepiadaceae.

Col. No. 4831. Scrambling; leaves to 3 inches long, lanceolate, fleshy; flowers pinkish white.

241242. *HOYA GLOBULOSA* Hook. f.

Wax plant.

Col. No. 4836.

241243. *HOYA OBOVATA* Decne.

Col. No. 4840. Leaves thick, fleshy, obcordate; unusual leafy.

241244. *IMPATIENS REPENS* Moon Impatiensaceae.

Col. No. 4811. Succulent-stemmed perennial, reddish green; flowers bright yellow.

241245. *JASMINUM POLYANTHUM* Franch. Oleaceae.

Col. No. 4796. Strong growing evergreen scrambler; flowers white to pinkish; fragrant.

241246. *LEPTOSPERMUM* sp. Myrtaceae.

Col. No. 4799. Evergreen shrub, nearly prostrate; flowers pink.

241202 to 241269—Continued**241207 to 241269—Continued**

241247. *MARCGRAVIA PICTA* Willd. Marcgraviaceae.

Col. No. 4817.

241248. *MELOTHRIA HEDERACEA* Cogn. Cucurbitaceae.

Col. No. 4824. Vine; leaves ivy-shaped, to 1 inch wide, very thick.

241249. *MITRARIA COCCINEA* Cav. Gesneriaceae.

Col. No. 4802. Creeping evergreen shrub; flowers pendulous, orange-red.

241250. *NOTHOPANAX DAVIDII* (Franch.) Harms Araliaceae.

Col. No. 4813. Evergreen shrub to 8 feet high. (Plant.)

241251. *NOTHOPANAX LAETUS* Cheesem.

Col. No. 4785. Evergreen shrub; leaves lustrous.

241252. *OREOPANAX FLORIBUNDUM* (H.B.K.) Decne. & Planch. Araliaceae.

Col. No. 4786. Large branched evergreen, shrub to small tree; leaves digitately divided and leathery.

241253. *PASSIFLORA CORIACEA* Juss. Passifloraceae.

Col. No. 4808. Vine; flowers greenish.

241254. *PASSIFLORA SUBEROSA* L.

Cork passionflower.

Col. No. 4807. Vine; flowers greenish; fruit black. (Plant.)

241255. *PELLIONIA* sp. Urticaceae.

Col. No. 4842. 'Argentea'.

241256. *PEPEROMIA PROSTRATA* Williams Piperaceae.

Col. No. 4833.

241257. *PEPEROMIA RESEDAEFLORA* Linden & Andre

Col. No. 4827. Perennial to 6 inches high; stems succulent; leaves metallic, green above, glistening green below.

241258. *NOTHOPANAX ARBOREUM* (Forst.) Seem. Araliaceae.

Col. No. 4805. Large evergreen shrub; leaves digitately divided.

241259. *PSEUDOPANAX CRASSIFOLIUM* C. Koch Solanaceae.

Col. No. 4800. Strong evergreen shrub, leaves divided.

241260. *SCHEFFLERA DELAVAYI* (Franch.) Harms Araliaceae.

Col. No. 4787. Small tree to 20 feet high; leaves digitately divided, tomentose.

241261. *SCILLA SOCIALIS* Baker Liliaceae.

Col. No. 4822. 'Glesnevis'. (Bulb.)

241262. *HETEROCENTRON ELEGANS* (Schl.) Kuntze Melastomataceae.

Col. No. 4836. Perennial; flowers deep purple.

241263. *SPATHICARPA SAGGITIFOLIA* Schott Araliaceae.

Col. No. 4828. (Plant.)

241264. *STROPHANTHUS SPECIOSUS* (Ward & Harv.) Reber Apocynaceae.

Col. No. 4809. Large evergreen shrub; leaves shiny lanceolate acuminate; flowers chartreuse, rim of cup, orange.

241265. *TECOMARIA CAPENSIS* (Thunb.) Spach Bignoniaceae.

Cape-honeysuckle.

Col. No. 4788. Scrambling shrub; flowers orange-scarlet. (Plants.)

241202 to 241269—Continued**241207 to 241269—Continued**

241266. *TETRASTIGMA VOINIERIANUM* (Balt.) Pierre ex Pitard Vitaceae.

Col. No. 4795. Climbing strong evergreen vine to 30 feet long with tendrils; leaves leathery.

241267. *TRADESCANTIA FUSCATA* Lodd. Commelianaceae.

Col. No. 4821. Stems brown-hairy; leaves to 8 inches long; flowers blue. (Plant.)

241268. *TRICHOSPORUM BRACTEATUM* (Wall.) Kuntze Gesneriaceae.

Col. No. 4838.

241269. (Undetermined.)

Col. No. 35. (No field note.)

241270. *CHLORIS GAYANA* Kunth Poaceae.

Rhodesgrass.

From Uganda. Seeds presented by C. R. Horrell, Department of Agriculture, Serere Experiment Station, Soroti. Received July 10, 1957.

'Teso'.

241271 to 241276.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 10, 1957.

Collected in California.

241271 to 241274. Murrieta.

241271. *LUPINUS* sp. Fabaceae.

Col. No. 16686. Elevation 1200 feet. Tall annual herb with spreading top; flowers lavender.

241272. *LUPINUS* sp.

Col. No. 16692. Elevation 1400 feet. Annual herb; flowers pale-lavender.

241273 and 241274. *MELICA IMPERFECTA* Trin. Poaceae.

241273. Col. No. 16690. Elevation 1400 feet. Perennial bunchgrass; blades green.

241274. Col. No. 16691. Elevation 1400 feet. On land ungrazed for 50 years.

241275. *STIPA SPECIOSA* Trin. & Rupr. Poaceae. **Desert needlegrass.**

Col. No. 16696. Aguanga. Elevation 2400 feet. Tough perennial bunchgrass.

241276. *STIPA* sp.

Col. No. 16689. Murrieta. Elevation 1400 feet. Vigorous perennial; blades thin.

241277 and 241278.

From Mexico. Collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 10, 1957.

241277. *LOMATIUM LUCIDUM* (Nutt.) Jepson Apiaceae.

Col. No. 16729. Chuchupate. Valle de la Trinidad, Baja California. (Roots.)

241278. *DUDLEYA* sp. Crassulaceae.

Col. No. 16707. East of Rosario, Baja California. Single ashy white rosettes with ashy circinate panicle; flowers red.

241279 to 241292. SECALE CEREALE L. Poaceae.**Rye.**

From Brazil. Seeds presented by the Secretaria da Agricultura, Instituto Agromômico de Sao Paulo, Campinas, Sao Paulo.

241279. No. 38.	241286. No. 45.
241280. No. 39.	241287. No. 46.
241281. No. 40.	241288. No. 47.
241282. No. 41.	241289. No. 48.
241283. No. 42.	241290. No. 49.
241284. No. 43.	241291. No. 50.
241285. No. 44.	241292. No. 51.

241293 to 241304.

From France. Collected by F. G. Myer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 11, 1957.

Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, Alpes Maritimes.

241293. BEGONIA MANICATA Cels Begoniaceae.

Col. No. 4867. 'Variegata'. Petioles 6 inches long; leaves spotted white. (Leaf.)

241294. CYPERUS ALTERNIFOLIUS L. Cyperaceae.

Col. No. 4872. 'Gracilis'. Plant to 12 inches high. (Cuttings.)

241295. EUGENIA GUABIJU Berg Myrtaceae.

Col. No. 4938. Small evergreen tree, round-headed; leaves shiny ovate. (Cuttings.)

241296 and 241297. GAZANIA (hybrids). Asteraceae.

241296. Col. No. 4871. Much-branched perennial; leaves white tomentose below; flowers yellow with a black eye. (Cuttings.)

241297. Col. No. 4871. (Seeds.)

241298 and 241299. GAZANIA X SPLENDENS Henderson Asteraceae.

241298. Col. No. 4873. Essentially acaulescent perennial; leaves green above, silvery beneath; flowers clear yellow to base. (Cuttings.)

241299. Col. No. 4873. (Seeds.)

241300. MAURANDIA ERUBESCENS (D. Don) A. Gray Scrophulariaceae.

Col. No. 4937. Scrambling perennial; leaves pubescent; flowers tubular rose-pink. (Seeds.)

241301. NEPTUNIA PROSTRATA (Lam.) Baill. Mimosaceae.

Col. No. 4868. Annual; stems spongy white; leaves sensitive to the touch. Grown in shallow water. (Cuttings.)

241302. PELARGONIUM CAYLAE Humbert Geraniaceae.

Col. No. 4869. Perennial to 24 inches high. (Cuttings.)

241303. PELARGONIUM SALMONEUM R. A. Dyer

Col. No. 4860. Leaves green; flowers delicate pink, single. (Cuttings.)

241304. LIGUSTRUM SEMPERVIRENS (Franch.) Lingels. Oleaceae.

Col. No. 4870. Evergreen shrub to 6 inches high, spreading; flowers white, short, tubular, and fragrant. (Cuttings.)

241305. PRUNUS PERSICA var. NECTARINA (Ait.) Maxim.**Amygdalaceae.****Nectarine.**

From Tunisia. Budsticks presented by the Director of Botany Service, Ariana. Received July 11, 1957.

'Birzgane'.

241306 and 241307. ANGELICA ATROPURPUREA L. Apiaceae.

From the United States. Seeds presented by C. F. Reed, Winstead, Connecticut.
Received July 11, 1957.

241306. No. 57-63.

241307. No. 57-64.

241308. EUGENIA CARYOPHYLLATA Thunb. Myrtaceae. Clove.

From Trinidad and Tobago. Seeds presented by the Director of Agriculture,
St. Augustine Station. Received July 15, 1957.

241309. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.

From France. Budsticks presented by Station de Recherches, Viticoles and
d'Arboreiculture Fruitiere, Pont-de-la-Maye, Gironde. Received July 15, 1957.

'Uneda'.

241310 to 241317.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant
Introduction Section, Crops Research Division, Beltsville, Md. Received
July 15, 1957.

Garden of Major Lawrence Johnston, Serre de la Modone, Val du Gorbio,
Menton, Alpes Maritimes.

241310. BANKSIA INTEGRIFOLIA. L. f. Proteaceae.

Col. No. 4949. Small evergreen tree; leaves silvery beneath, green above;
juvenile leaves strongly serrate.

241311. DECUMARIA SINENSIS Oliver Hydrangeaceae.

Col. No. 4950. Creeping woody evergreen shrub; flowers white.

241312. HEDERA CHRYSOCARPA Walsh Araliaceae.

Caucasian ivy.

Col. No. 4951. Scrambling evergreen shrub; fruit yellow.

241313. HIBISCUS SYRIACUS L. Malvaceae.

Shrub-althea.

Col. No. 4948. Deciduous shrub; flowers white.

241314 to 241316. NERIUM OLEANDER L. Apocynaceae.

Oleander.

241314. Col. No. 4942. Flowers yellow, suffused pink.

241315. Col. No. 4943. Flowers yellow at the base, petals white to off-
yellow.

241316. Col. No. 4944. 'Rubra'. Flowers carmen-red, semidouble.

241317. (Undetermined.)

Col. No. 4947. Deciduous tree to 20 feet high; flowers white.

241318. (Undetermined.) Brassicaceae.

From Mexico. Seed collected by H. S. Gentry, agricultural explorer, Plant Intro-
duction Section, Crops Research Division, Beltsville, Md. Received July
10, 1957.

Col. No. 16736. San Vicente, Baja California.

241319 to 241339.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Intro-
duction Section, Crops Research Division, Beltsville, Md. Received July
16, 1957.

241319. ARBUTUS ANDRACHNE L. Ericaceae.

Col. No. 4968. Villa Thuret, Cap-de Antibes. Small evergreen tree,
branched from the base. (Cuttings.)

241319 to 241339—Continued

241320. *CISTUS VILLOSUS* L. Cistaceae.

Rockrose

Col. No. 4966. Nursery of Herve Fautrelle, Golfe-Juan. Evergreen shrub; leaves pubescent; flowers rose-pink. (Cuttings.)

241321. *CORIARIA MYRTIFOLIA* L. Coriariaceae.

Myrtle coriaria.

Col. No. 4941. On mountain slopes, Cal de Catillon, Menton. Sprawling shrub; leaves myrtus-like; flowers inconspicuous; fruit black and fleshy. (Fruits.)

241322. *ERYTHRINA* sp. Fabaceae.

Col. No. 4946. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, Menton. Small tree with arching branches; flowers scarlet. (Cuttings.)

241323 to 241325. Villa Thuret, Cap-de Antibes.

241323. *GARRYA* × *THURETII* Carr. Cornaceae.

Col. No. 4971. Small evergreen tree to 15 feet high. (Cuttings.)

241324 and 241325. *ILEX* × *ALTACLARENSIS* Dallim. Aquifoliaceae. Holly.

241324. Col. No. 4969. 'Wilsonii'. Small evergreen tree; leaves dark green, lustrous, broadly ovate, spine-tipped, nearly flat; berries red. (Cuttings.)

241325. Col. No. 4970. 'Wilsonii'. Small evergreen tree; leaves dark green, lustrous, broadly ovate, spine-tipped, nearly flat; berries red. (Cuttings.)

241326. *KALANCHOE* sp. Crassulaceae.

Col. No. 4954. Jardin Botanique, Lew Cedres, St. Jean, Cap Ferrat. (Seeds.)

241327. *LITHOSPERMUM FRUTICOSUM* L. Boraginaceae.

Col. No. 4962. 'Rosmarinifolium'. Nursery of T. Fisch, Vallauris. Subshrub to 12 inches high; leaves rosemary-like; flowers bright blue. (Cuttings.)

241328. *MAHONIA SIAMENSIS* Takeda. Berberidaceae.

Col. No. 4945. Garden of Major Lawrence Johnston, Serre de la Madone, Val du Gorbio, Menton. Evergreen shrub to 10 feet high; much-branched; leaves pinnate. (Cuttings.)

241329 to 241334. *NERIUM OLEANDER* L. Apocynaceae.

Oleander.

241329 to 241332. Nursery of T. Fisch, Vallauris.

241329. Col. No. 4957. 'Rosso Sanguè'. An Italian cultivar; flowers blood-red, single. (Cuttings.)

241330. Col. No. 4958. 'Carmine'. Flowers deep-carmine.

241331. Col. No. 4959. 'Burgundy'. An Italian cultivar; flowers burgundy-red.

241332. Col. No. 4960. Flowers semi-double, rose-pink.

241333 and 241334. Nursery of Herve Fautrelle, Golfe-Juan.

241333. Col. No. 4965. Flowers light yellow, single. (Cuttings.)

241334. Col. No. 4967. 'Alba'. Flowers pure white, opening flat.

241335. *PODRANEA RICASOLIANA* (Tanf.) Sprag. Bignoniaceae.

Ricasol pandorea.

Col. No. 4961. Nursery of T. Fisch, Vallauris. Vigorous climber; flowers pink, striped-red.

241336. *POLYGALA NICAEENSIS* Risso. Polygalaceae.

Col. No. 4953. Cal de Braus, Alpes Maritime above Menton. Elevation 3,000 feet. Tufted perennial, spreading; flowers azure blue. (Seeds.)

241319 to 241339—Continued

241337. *RHODODENDRON FERRUGINEUM* L. Ericaceae. **Rock rhododendron.**

Col. No. 4939. On north slope, above Turivi, Alpes Maritime Evergreen shrub to 4 feet high; flowers deep pink to rose. (Seeds.)

241338. *ROSMARINUS OFFICINALIS* L. Menthaceae. **Rosemary.**

Col. No. 4963. 'Corsica'. Nursery of T. Fisch, Vallauris. Semierect shrub; branches pendulous; flowers dark blue. (Cuttings.)

241339. *TRACHELOSPERMUM JASMINOIDES* Lem. Apocynaceae.

Col. No. 4964. 'Nanus'. Nursery of the T. Fisch, Vallauris. Low spreading evergreen shrub to 14 inches high. (Cuttings.)

241340. *MUSA* sp. Musaceae.

From Venezuela. Seed presented by Agricultural Attache, Caracas. Collected by Henrique Sanabria, Quacara, Carabobo. Received Sept. 9, 1957.

241341 to 241348.

From the United States. Seeds held at the U.S. Plant Introduction Garden, Glenn Dale, Maryland. Received July 16, 1957.

A collection of drug plant seeds received from the Tobacco and Special Crop Section. Localities given are the original sources of the material.

241341. *ATROPA BELLADONNA* L. Solanaceae. **Belladonna.**

(Source unknown.)

241342. *CHRYSANthemum CINERARIAEFOLIUM* (Trevir.) Vis. Asteraceae.

(Source unknown.)

241343. *DIGITALIS LANATA* Ehrh. Scrophulariaceae.

(Source unknown.)

241344 to 241346. *DIGITALIS PURPUREA* L. **Common foxglove.**

241344. (Source unknown.)

241345. Chehalis, Wash.

241346. Oregon.

241347 and 241348. *TEPHROSIA VOGELII* Hook. f. Fabaceae.

241347. Mayaguez, Puerto Rico.

241348. Guatemala.

241349 to 241361.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 17, 1957. Cuttings unless otherwise noted.

241349. *ACACIA HOWITTII* F. Muell. Mimosaceae.

Col. No. 4975. 'Clair de Lune'. Nursery of G. B. Dental, Golfe-Juan. Tree to 20 feet high; leaves soft, linear; flowers yellow; reddish tinged foliage.

241350 to 241352. Villa Thuret, Boulevard du Cap, Antibes.

241350. *ADENOCARPUS ANAGYRIFOLIUS* Coss. & Bal. Fabaceae.

Col. No. 4977. Shrub to 7 feet high; leaves trifoliate, glaucous; flowers yellow.

241351. *ARBUTUS GLANDULOSA* Mart. & Gal. Ericaceae.

Col. No. 4982. Hardy evergreen tree; leaves glandular, hairy.

241352. *BAILLONIA* sp. Verbenaceae.

Col. No. 4976. Evergreen shrub; leaves ligustrum shaped; flowers racemose, lavender.

241349 to 241361—Continued**241353. CANTUA BUXIFOLIA Lam. Polemoniaceae.**

Col. No. 4985. La Mortala Garden at Villa Hanbury, near Ventimiglia. Evergreen shrub; branches arching; flowers pendulous tubular, purplish-red, tube-striped yellow. (Seeds.)

241354. HOLBOELLIA LATIFOLIA Wall. Lardizabalaceae.

Col. No. 4981. Villa Thuret, Boulevard du Cap, Antibes. Hardy, vigorous evergreen shrub, scrambling climber; leaves coriaceous, ternate; fruit fleshy.

241355. JACOBINIA SUBERECTA Andre Acanthaceae.

Col. No. 4972. Nursery of G. B. Dental, Golfe-Juan. Perennial herb; leaves densely tomentose ovate; flowers orange-red.

241356. PACHYSTROMA LONGIFOLIUM (Nees) I. M. Johnst. Euphorbiaceae.

Col. No. 4978. Villa Thuret, Boulevard du Cap, Antibes. Evergreen tree; leaves large hollylike.

241357. LITHOSPERMUM FRUTICOSUM L. Boraginaceae.

Col. No. 4974. 'Rosmarinifolium'. Nursery of G. B. Dental, Golfe-Juan. Erect subshrub, spreading suffruticose; leaves rosemarylike; flowers blue.

241358. PITTOSPORUM CORIACEUM Ait. Pittosporaceae.

Col. No. 4980. Villa Thuret, Boulevard du Cap, Antibes. Evergreen tree to 50 feet high; branches spreading.

241359 and 241360. Nursery of G. B. Dental, Golfe-Juan.**241359. SENECIO SAXIFRAGOIDES Hook. f. Asteraceae.**

Col. No. 4983. Herbaceous perennial; branches decumbent; flowers yellow. (Seeds.)

241360. TRACHELOSPERMUM JASMINOIDES Lem. Apocynaceae.

Col. No. 4973. Stiff, erect creeping evergreen shrub; flowering sparsely.

241361. (Undetermined.) Bignoniaceae.

Col. No. 4979. Villa Thuret, Boulevard du Cap, Antibes. Deciduous tree to 50 feet high; leaves pinnate, fernlike appearance; flowers tubular, cream-yellow.

241362 to 241371. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas. Received July 17, 1957.

241362. No. 374.

241367. No. 382.

241363. No. 375.

241368. No. 383.

241364. No. 376.

241369. No. 387.

241365. No. 379.

241370. No. 388.

241366. No. 380.

241371. No. 397.

241372. ORYZA SATIVA L. Poaceae.**Rice.**

From Ecuador. Seeds presented by G. A. Gonzalez, Pilador Modelo, Guayaquil. Received July 17, 1957.

No. 583.

241373. BUTIA YATAY (Mart.) Becc. Phoenicaceae.

From Argentina. Seeds presented by the Division de Exploracions e Introduccions de Plantas, Rivadavia, Buenos Aires. Received July 17, 1957.

241374 to 241377.

From Ethiopia. Seeds presented by Coffee Production Advisor, United States Operations Mission, Addis Ababa. Received July 18, 1957.

241374. *ALBIZZIA* sp. Mimosaceae.

No. 1.

241375. *ALBIZZIA* sp.

No. 2. Tree to 75 feet high; well-branched, providing excellent shade.

241376. *JUNIPERUS PROCERA* Hochst. ex Endl. Pinaceae.

East African juniper.

Tree to 120 feet high; wood red to brown; aromatic, fine and straight grained. Local name: Tidh.

241377. *PODOCARPUS GRACILIOR* Pilg. Taxaceae.

Tree to 130 feet high; wood white to yellow; fibers stringy, tough, sometimes twisted; not resinous or aromatic. Local name: Zigba.

241378. *HYPARRHENIA RUFA* (Nees) Stapf Poaceae. **Jaragua.**

From Panama. Seeds presented by the Servicio, Interamericano de Cooperacion. Received July 18, 1957.

241379 to 241385.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 19, 1957. Cuttings, unless otherwise noted.

241379. *BOSEA AMHERSTIANA* Hook. f. Amaranthaceae.

Col. No. 4989. 'Variegata'. Stazione Sperimentale di Floricoltura, San Remo. Shrub; leaves variegated; flowers small.

241380. *CISTUS* sp. Cistaceae.

Col. No. 4987. La Mortola, Villa Hanbury, near Ventimiglia. Evergreen shrub; flowers pink with a dark eye.

241381 to 241385. Greenhouse, Stazione Sperimentale di Floricoltura, San Remo.

241381 and 241382. *CROSSANDRA NILOTICA* Oliver Acanthaceae.

241381. Col. No. 4991. Perennial; leaves ovate, acuminate long petiole, and pubescent; flowers salmon red. (Plant.)

241382. Col. No. 4991. (Seed).

241383. *HYPOESTES SANGUINOLENTA* Hook. Acanthaceae.

Col. No. 4990. Perennial to 18 inches high; leaves velvet green, mottled pink above; flowers rose-pink.

241384. *JACOBINIA SUBERECTA* E. Andre Acanthaceae.

Col. No. 4996. Perennial to 18 inches high; leaves silvery tomentose; flowers orange-red, tubular.

241385. *PODRANEA BRYCEI* (N.E.Br.) Sprag. Bignoniaceae.

Col. No. 4988. Vigorous scrambling vine; flowers pink.

241386 and 241387.

From Libya. Seeds presented by an unknown donor. Received July 23, 1957.

241386. *LOTUS* sp. Fabaceae.

241387. *LOTUS* sp.

241388 to 241402.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 19, 1957.

241388 and 241389. Serre de la Madone, garden of Major Lawrence Johnston, Val du Gordio, Menton.

241388. *MYSTROXYLON AETHIOPICUM* (Thunb.) Loes. Celastraceae.

Col. No. 5009. Evergreen shrub; leaves ovate to nearly orbicular, spine-tipped. Does not flower on the Riviera.

241389. *ELAEAGNUS PLUNGENS* Thunb. Elaeagnaceae. **Thorny elaeagnus.**

Col. No. 5012. Large evergreen shrub; leaves larger than most types.

241390. *GAZANIA* × *SPLENDENS* Henderson Asteraceae.

Col. No. 5001. 'Alba.' Garden of Villa Roquebrune, Cap Martin. Rhizomatous perennial; flowers white with black eye. (Plant.)

241391. *HIBISCUS SYRIACUS* L. Malvaceae. **Shrub-althea.**

Col. No. 5013. Serre de la Madone, garden of Major Lawrence Johnston, Val du Gorbio, Menton. Shrub; flowers pure white.

241392. *OREOPANAX CAPITATUM* (J. E. Smith) Decne. & Planch. Araliaceae.

Col. No. 4999. Garden of Villa Roquebrune, Cap Martin. Small evergreen tree forming an umbrella specimen; leaves long petiolate, drooping.

241393. *OSMANTHUS* sp. Oleaceae.

Col. No. 5011. Serre de la Madone, Val du Gorbio, garden of Major Lawrence Johnston, Menton. Small evergreen tree; flowers red.

241394 to 241400. Garden of Villa Roquebrune, Cap Martin.

241394. *PELARGONIUM ACETOSA* Soland. Geraniaceae.

Col. No. 5004. Much-branched perennial; woody stems; leaves glaucous, succulent; flowers single, pink, two lower petals striped red.

241395. *PELARGONIUM ACETOSA* Soland.

Col. No. 5004. (Seed.)

241396. *PELARGONIUM ZONALE* (L.) L'Her. **Horseshoe geranium**

Col. No. 4997. Flowers single, small, red.

241397. *PELARGONIUM* sp.

Col. No. 4998. Succulent perennial; stems triangular; flowers white, striped red at base of corolla lobes inside.

241398. *PELARGONIUM* sp.

Col. No. 5002. Perennial to 2 feet high; flowers single, salmon-pink.

241399. *PHAEDRANTHUS BUCCINATORIUS* (Maire) Miers Bignoniaceae.

Col. No. 5000. Vigorous vine, tendril bearing; flowers burgundy-red.

241400. *PRUNUS CERASIFERA* Ehrh. Amygdalaceae. **Myrobalan plum.**

Col. No. 5008. Foliage dark purple-red.

241401 and 241402. Serre de la Madone, Val du Gorbio. Garden of Major Lawrence Johnston, Menton.

241401. *SOLANUM RANTONNETII* Cart Solanaceae. **Paraguay nightshade.**

Col. No. 5005. Flowers deep purple.

241402. *TRACHELOSPERMUM JASMINOIDES* Lem. Apocynaceae.

Col. No. 5010. Evergreen subshrub, variegated dwarf form.

241403 to 241410.

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 22, 1957.

241403. *ACACIA CARDIOPHYLLA* A. Cunn. ex Benth. Mimosaceae.

Col. No. 5022. Jardin Botanique, Les Cedres St. Jean, Cap Ferrat. Leaves fernlike.

241404. *ARISTOLOCHIA ELEGANS* X *A. GRANDIFLORA* Aristolochiaceae.

Col. No. 5017. La Leonina, Beaulieu-sur-Mer. Vigorous vine perennial; flowers brownish, whitish reticulate, opening quite flat, barely concave.

241405 to 241408. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat.

241405. *GAZANIA X SPLENDENS* Henderson Asteraceae.

Col. No. 5019. Flowers deep orange, black eye.

241406. *GREVILLEA ASPLENIFOLIA* R. Br. Proteaceae.

Col. No. 5020. Much-branched small tree; drooping branches; leaves linear, serrate, silvery below, green above; flowers red-orange.

241407. *LARDIZABALA BITERNATA* Ruiz & Pav. Lardizabalaceae.

Col. No. 5018. Evergreen vine, vigorous climber; leaves lustrous, leathery.

241408. *LUEHEA DIVARICATA* Mart. Tiliaceae.

Col. No. 5021. Small deciduous tree; leaves silvery below, green above; flowers white.

241409 and 241410. La Leonina, Beaulieu-sur-Mer.

241409. *OREOPANAX FLORIBUNDUM* (H.B.K.) Decne. & Planch. Araliaceae.

Col. No. 5016. Much-branched tree to 30 feet high; leaves waxy above.

241410. *PHYMATIDIUM TILLANDSIODES* Barb.-Rodrig. Orchidaceae.

Col. No. 5015. Diminutive epiphyte to 3 inches high; flowers white.

241411. *HORDEUM* sp. Poaceae.

Barley.

From Argentina. Seeds presented by the Manfredi Experiment Station Cordoba. Received July 24, 1957.

241412 to 241414. *NICOTIANA TABACUM* L. Solanaceae.

Common tobacco.

From Argentina. Seeds presented by the Tobacco Division, Ministerio de Agricultura y Ganaderia, Salta. Received July 24, 1957.

241412. 'Criolla Saltono'; 'Hoya Parada'.

241413. 'Criolla Saltono'; 'Amarilinho'.

241414. 'Oriental Samsun'.

241415 to 241418. *PRUNUS ARMENICA* L. Amygdalaceae. **Apricot.**

From Austria. Scions presented by the Agricultural Attache, American Embassy, Vienna. Received July 23, 1957.

242415. 'Grobe Krenslar'.

241416. 'Kremser Rosen'.

241417. 'Loschnig Marille'.

241418. 'Ungarische Beste'.

241419 to 241423.

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 22, 1957.

241419 to 241423—Continued

241419 and 242420. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat.

241419. *CEROPEGIA BALLYANA* Bullock Asclepiadaceae.

Col. No. 5023. Rampant climber; leaves lustrous; flowers purple.

241420. *EUPHORBIA DELPHINENSIS* Ursch & Leandre Euphorbiaceae.

Col. No. 5031. Dwarf, spiny-stemmed perennial; leaves obovate; flowers white.

241421. *HOYA ANGUSTIFOLIA* Traill Asclepiadaceae.

Col. No. 5028. La Leonina, Beaulieu-sur-Mer. Scrambling twiner; leaves fleshy; flowers pinkish-white.

241422 and 241423. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat.

241422. *PELARGONIUM GLAUCUM* L'Herit. Geraniaceae.

Col. No. 5025. Much-branched, somewhat decumbent perennial; leaves glaucous; flowers small, yellow.

241423. *SONCHUS LEPTOCEPHALAS* Cass. Cichoriaceae.

Col. No. 5030. Perennial subshrub; leaves filiform.

241424. *GLYCINE MAX* (L.) Merr. Fabaceae.

Soybean.

From Japan. Seeds presented by the Kami-Nopporo Seed Nursery, Sapporo City Hokkaido. Received July 24, 1957.

241425 to 241461.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 24, 1957.

241425 and 241426. *CENCHRUS SETIGERUS* Vahl Poaceae.

241425. 'Purple Buffel'.

241426. No. 12599.

241427. *CENTROSEMA PUBESCENS* Benth. Fabaceae.

241428 and 241429. *DESMODIUM INTORTUM* (Mill.) Urban Fabaceae.

241428. No. 17916.

241429. No. 18010.

241430 and 241431. *DESMODIUM UNCINATUM* (Jacq.) DC.

241430. No. 11740.

241431. No. 8990.

241432 to 241435. *DOLICHOS LABLAB* L. Fabaceae.

Hyacinth-bean.

241432. No. 16880.

241434. No. 16882.

241433. No. 16881.

241435. No. 16883.

241436. *GLYCINE JAVANICA* L. Fabaceae.

No. 12600.

241437 to 241441. *INDIGOFERA ENDECAPHYLLA* Jacq. Fabaceae.

Creeping indigo.

241437. No. 14412.

241440. No. 16110.

241438. No. 15733.

241441. No. 18557.

241439. No. 16069.

241442. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

Hunter River.

241443. *MEDICAGO TRIBULOIDES* Desr.

241444. *PASPALUM SCROBICULATUM* L. Poaceae.

241425 to 241461—Continued

241445 and 241446. *Pennisetum ciliare* (L.) Link Poaceae. **Buffelgrass**

241445. No. 1848.

241446. 'Poultry Buffel'.

241447 to 241450. *Setaria sphacelata* (Schum.) Stapf & C. E. Hubb. Poaceae.

241447. No. 14568.

241449. No. 16802.

241448. No. 16414.

241450. No. 17150.

241451. *Stylosanthes leiocarpa* Vogel Fabaceae.

No. 11498.

241452 to 241455. *Stylosanthes guyanensis* (Aubl.) Sw.

241452. No. 5630.

241454. No. 11490.

241453. No. 9215.

241455. No. 11491.

241456. *Stylosanthes juncea* Micheli

No. 11847.

241457. *Stylosanthes montevidensis* var. *subviscosa* Benth.

No. 11492.

241458. *Stylosanthes sunaica* Taub.

241459. *Stylosanthes* sp.

No. 11899.

241460. *Trifolium repens* L. Fabaceae.

White clover.

241461. *Trifolium subterraneum* L.

Subterranean clover.

241462 to 241465.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received July 25, 1957.

241462. *Oryza meyeriana* (Zoll. & Mor.) Baill. Poaceae.

241463 to 241465. *Oryza sativa* L.

Rice.

241463. 'Concejila'.

241465. T 2314.

241464. T 90.

241466 to 241474.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 26, 1957. Cuttings unless otherwise noted.

241466. *Alocasia macrorhiza* (L.) Schott Araceae.

Col. No. 5039. 'Variegata'. Pinya de Rosa, Jardin de Aclimatacion, Blanes, Costa Brava, Province Gerona. Perennial; leaves to 5 feet long, blade variously mottled white and green. (Plants.)

241467. *Cneorum tricoccon* L. Cneoraceae.

Col. No. 5044. Jardin Botanico, Blanes, Province Gerona. Evergreen shrub densely branched; leaves lustrous dark green; flowers yellow; fruit bright red at maturity. (Seeds.)

241468. *Cytisus linifolius* (L.) Lam. Fabaceae.

Broom.

Col. No. 5047. Jardin Botanico, Parque de Montjuich, Barcelona. Evergreen shrub to 4 feet high; leaves 3-foliate, silvery; flowers bright yellow. Plant endemic of the Mediterranean coast.

241466 to 241474—Continued

241469 to 241471. Pinya de Rosa, Jardin de Aclimatacion, Blanes, Province Gerona.

241469. *PEPEROMIA OBTUSIFOLIA* A. Dietr. Piperaceae.

Col. No. 5040. 'Clusiifolia'. Succulent perennial; leaves bronze-green metallic.

241470. *PEPEROMIA MARMORATA* Hook. f.

Col. No. 5042. Perennial; leaves medium green above, light reddish beneath.

241471. *PEPEROMIA SCANDENS* Ruiz & Pav.

Col. No. 5041. Succulent stemmed perennial; leaves broadly ovate, variegated on the margin.

241472. *RHAGODIA NUTANS* R. Br. Chenopodiaceae.

Col. No. 5045. Jardin Botanico 'Marimurtra', Province Gerona, Blanes. Prostrate creeping perennial; stems suffrutescent; fruit orange; seed black. (Seeds.)

241473. *SOPHORA JAPONICA* L. Fabaceae. Chinese scholartree.

Col. No. 5046. 'Dotiana'. Jardin Botanico, Parque de Montjuich, Barcelona. Tree; branches pendulous, tortuous; leaves cristate.

241474. *MAHONIA MORANENSIS* (Schult. & Schult. f.) I. M. Johnston Berberidaceae.

Col. No. 5038. Jardin des Plantes, University of Montpellier, France. Evergreen shrub; leaves spiny, leaflets relatively thin; fruit blue. (Seeds.)

241475 to 241481.

From Israel. Seeds presented by the Department of Agriculture, Crops and Fodder Section, Haifa. Received July 26, 1957.

241475 and 241476. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. Berseem.

241475. 'Fahli'.

241476. 'Musgawi'.

241477. *TRIFOLIUM CAMPESTRE* Schreb. Clover.

241478. *TRIFOLIUM CLYPEATUM* L. Clover.

241479. *TRIFOLIUM LAPPACEUM* L. Lappa clover.

241480. *TRIFOLIUM PURPUREUM* Loisel.

241481. *TRIFOLIUM SPUMOSUM* L. Clover.

241482 to 241486.

From Italy. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 29, 1957. Seeds unless otherwise noted.

La Mortola, Villa Hanbury, near Ventimiglia.

241482. *ACACIA PENDULA* A. Cunn. Mimosaceae. Wattle.

Col. No. 4639. Branches pendulous; leaves and branches silvery.

241483. *CHASMANTHE AETHIOPICA* (L.) N.E. Br. Iridaceae.

Col. No. 4648. Cormous perennial; flowers reddish-yellow.

241484. *CHIMONANTHUS PRAECOX* Lindl. Calycanthaceae.

Col. No. 4646. Deciduous shrub; flowers yellow, reddish eye.

241485. *EPHEDRA ALTISSIMA* Desf. Gnetaceae. Climbing jointfir.

Col. No. 4645. Scrambling woody climber to 20 feet long; fruit red.

241482 to 241486—Continued**241486.** *PHLOMIS HERBA-VENTI* L. Menthaceae.

Col. No. 5048. Along open rocky banks, north of Guadalajara, Soria Province, Spain. Leaves green above, white pubescent beneath; flowers lavender to violet. (Cuttings.)

241487. *PRUNUS ZIPPELIANA* Miq. Amygdalaceae.

From Japan. Seeds presented by Murotozaki, Kochi Prefecture, Shikoku. Received July 29, 1957.

241488. *PHYLLOSTACHYS BAMBUSOIDES* Sieb. & Zucc. Poaceae.

From the United States. Rhizomes presented by Evans & Reeves Nurseries, Los Angeles, California. Received August 1, 1957.

241489 to 241492. *MISCANTHIDIUM ERECTUM* Stent & C. E. Hubb. Poaceae.

From South Africa. Seeds presented by the Division of Crops & Pastures, Department of Agriculture, Pretoria. Received July 30, 1957.

241489. B/57/6.**241491.** B/57/8.**241490.** B/57/7.**241492.** B/57/9.**241493 to 241570.**

From New Guinea. Seeds collected by C. O. Grassl and John M. Warner, agricultural explorers, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received July 30, 1957.

241493. *ANDROPOGON* sp. Poaceae.

Col. No. 782. Wissel Lakes. Elevation 5,700 feet.

241494 and 241495. *APLUDA MUTICA* L. Poaceae.**241494.** Col. No. 717. Nondugl. Common.**241495.** Col. No. 744. Government Hotel, Hollandia.**241496 to 241498.** *BOTHRIOLCHLOA INTERMEDIA* (R. Br.) A. Camus. Poaceae.**241496.** Col. No. 752. Sentaria, Hollandia.**241497.** Col. No. 772. Sorong.**241498.** Col. No. 821. Roadside at Honiara, Guadalcanal.**241499.** *BOTHRIOLCHLOA DECIPIENS* (Hack.) C. E. Hubb.

Col. No. 751. Sentaria, Hollandia.

241500. *CANARIUM INDICUM* Stick. Balsameaceae.**Kanari.**

Col. No. 828. Bank of Matanikau River near native village, several miles from Honiara, Guadalcanal. Very large tree.

241501 to 241503. *COIX LACRYMA-JOBI* L. Poaceae.**Jobs-tears.****241501.** Col. No. 722. Nondugl.**241502.** Col. No. 732. Tari.**241503.** Col. No. 811. Edge of Sepik River at Angoram.**241504.** *COIX LACRYMA-JOBI* var. *MA-YUEN* (Romanet) Stapf.**Adlay.**

Col. No. 788. Wissel Lakes.

241505. *COIX LACRYMA-JOBI* L.**Jobs-tears.**

Col. No. 805. Along bank of Sepik River near Pagwi.

241506 and 241507. *CYMBOPOGON FLEXUOSUS* (Ness) Stapf

Poaceae.

Malabar grass.**241506.** Col. No. 704. Wewak. Common.**241507.** Col. No. 764. Near Manokwari Cattle Station.

241493 to 241570—Continued

241508. *DICHANTHIUM SERICEUM* (R. Br.) A. Camus Poaceae.

Col. No. 824. Roadside about 16 miles west of Honiara, Guadalcanal.

241509. *ERIACHNE PALLESCENS* R. Br. Poaceae.

Col. No. 696. Green River. Common.

241510. *EULALIA TRISPICATA* (Schult.) Henr. Poaceae.

Col. No. 745. Hollandia Haven.

241511. *EULALIA IRRITANS* (R. Br.) Kuntze.

Col. No. 746. MacArthur Hill, Hollandia.

241512 and 241513. *EULALIA LEPTOSTACHYS* (Pilger) Henr. Poaceae.

241512. Col. No. 707. Nondugl.

241513. Col. No. 777. Wissel Lakes.

241514. *EULALIA TRISPICATA* (Schult.) Henr.

Col. No. 749. Sentari, Hollandia.

241515. *EULALIA* sp.

Col. No. 729. Baiyer River.

241516. *GARNOTIA MEZIL* Janowsky Poaceae.

Col. No. 740. Tari.

241517. *GERMAINIA CAPITATA* Balansa & Poitrass. Poaceae.

Col. No. 691. Common on wet soils at Green River.

241518. *HIBISCUS SABDARIFFA* L. Malvaceae.

Roselle.

Col. No. 829. Kota Nico near Hollandia.

241519 and 241520. *ISCHAEMUM ARISTATUM* L. Poaceae.

241519. Col. No. 693. Green River.

241520. Col. No. 719. Nondugl.

241521 and 241522. *ISCHAEMUM DIGITATUM* Brongn. Poaceae.

241521. Col. No. 739. Tari.

241522. Col. No. 815. Edge of Sepik River near Angoram.

241523. *ISCHAEMUM* sp.

Col. No. 738. Tari.

241524. *ISCHAEMUM* sp.

Col. No. 756. Biak. Near village, along shore, about 2 miles from hotel. Leaves large and fleshy.

241525. *ISCHAEMUM* sp.

Col. No. 784. Wissel Lakes. Elevation 5,700 feet. Common on hillsides.

241526. *ISCHAEMUM* sp.

Col. No. 825. Sandy beach about 20 miles west of Honiara, Guadalcanal.

241527. *MANISURIS* sp. Poaceae.

Col. No. 776. Sorong.

241528. *MANISURIS* sp.

Col. No. 785. Edge of beach, Napan.

241529. *MANISURIS* sp.

Col. No. 791. Sandy beach near Hollandia.

241530. *ERIACHNE TRISETA* Nees Poaceae.

Col. No. 694. Green River.

241493 to 241570—Continued

- 241531 to 241538.** *MISCANTHUS FLORIDULUS* (Labill.) Warb. Poaceae.
Silvergrass.
- 241531.** Col. No. 687. Native Gardens at Telefomin, Sepik District. Elevation 7,800 feet.
- 241532.** Col. No. 699. Native garden at Lumi, Sepik District. Used as arrow shafts.
- 241533.** Col. No. 714. Nondugl. Large tassel form.
- 241534.** Col. No. 716. Nondugl. Unusual type, short inflorescence.
- 241535.** Col. No. 735. Tari. Waxy type.
- 241536.** Col. No. 736. Tari. Typical.
- 241537.** Col. No. 779. Wissel Lakes. Elevation 5,700 feet. Common.
- 241538.** Col. No. 826. Roadside garden about 16 miles west of Honiara.
- 241539.** *NICOTIANA TABACUM* L. Solanaceae. **Common tobacco.**
- Col. No. 794. Native village, on river, at Dumpu Ramu. Native tobacco.
- 241540.** *OPHIURUS* sp. Poaceae.
- Col. No. 720. Nondugl.
- 241541.** *OPHIURUS* sp.
- Col. No. 731. Baiyer River.
- 241542.** *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.
- Col. No. 793. Dumpu on River Ramu. Common.
- 241543.** *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce
- Col. No. 800. A temple on edge of Ramu River.
- 241544 and 241545.** *POGONATHERUM CRINITUM* (Thumb.) Kunth Poaceae.
- 241544.** Col. No. 823. Steep roadside bank on hill near Rabaul, New Britain.
- 241545.** Col. No. 827. Matanikau River near Honiara, Guadalcanal.
- 241546.** *POGONATHERUM PANICEUM* (Lam.) Hack.
- Col. No. 709. Nondugl.
- 241547 to 241553.** *POLYTOCA MACROPHYLLA* Benth. Poaceae.
- 241547.** Col. No. 727. Baiyer River.
- 241548.** Col. No. 753. Sentari, Hollandia.
- 241549.** Col. No. 762. Near Manokwari.
- 241550.** Col. No. 788. Near Jatufe Bay, 20 miles from Hollandia.
- 241551.** Col. No. 799. Aiome, Ramu River. Common on edge of trail.
- 241552.** Col. No. 804. Near Maprik. Pubescent form; leaves smaller and narrower.
- 241553.** Col. No. 817. Near Rabaul, New Britain. Common along edge of woods.
- 241554.** *SETARIA PALMIFOLIA* (Koen.) Stapf Poaceae. **Palmgrass.**
- Col. No. 798. Native village at Dumpu on Ramu River.
- 241555 to 241564.** *SORGHUM NITIDUM* (Vahl) Pers. Poaceae.
- 241555.** Col. No. 702. Tadjj.
- 241556.** Col. No. 703. Tadjj.
- 241557.** Col. No. 721. Nondugl.
- 241558.** Col. No. 730. Baiyer River.

241493 to 241570—Continued**241555 to 241564—Continued**

- 241559.** Col. No. 743. Near Government Hotel, Hollandia.
241560. Col. No. 792. Dumpu, Ramu River. Grassy plains.
241561. Col. No. 803. Edge of airstrip, Awar.
241562. Col. No. 814. Low field at edge of Sepik River near Angoram.
241563. Col. No. 830. Grassy plains near Kerevat, New Britain.
241564. Col. No. 834. Popondetta.

241565. SORGHUM VULGARE Pers.

Col. No. 754. Escape on Jabau River from Kota Nica.

241566. SORGHUM NIGRICANS var. ANGOLENSE (Rendle) Snowden Col. No. 689. Maprik.**241567. THEMEDA GIGANTEA (Cav.) Hack. Poaceae.**

Col. No. 698. Lumi, Sepik District.

241568. THEMEDA FRONDOSA (R. Br.) Merr. Poaceae.

Col. No. 789. Near Hollandia.

241569. THEMEDA sp.

Col. No. 810. In shade and along roadside, Madang.

241570. TRICHACHNE INSULARIS (L.) Nees Poaceae.

Col. No. 820. Honiara, Guadalcanal.

241571 to 241575. PRUNUS AMYGDALUS Batsch Amygdalaceae.**Almond.**

From Algeria. Scions presented by the Pepinieres de l'Arboriculture Moderne, Boufarik. Received August 1, 1957.

241571. 'Avola'.

241574. 'Languedoc'.

241572. 'Desmayo'.

241575. 'Marcona'.

241573. 'Fournat de Brezenaud'.

241576 to 241578. SECALE CEREALE L. Poaceae.**Rye.**

From Brazil. Seeds presented by the Instituto Agronomico Campinas, Sao Paulo. Received August 1, 1957.

241576. 'Centeio 52'.

241578. 'Centeio 54'.

241577. 'Centeio 53'.

241579 to 241584.

From the Union of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands. Received August 1, 1957.

241579. LACHNOPYLIS FLORIBUNDA (Benth.) C. A. Smith Loganiaceae.

No. 396.

Gardens, Kirstenbosch, Newlands. Received August 1, 1957.

241580. LEUCADENDRON ARGENTEUM (L.) R. Br. Proteaceae.

No. 423.

241581. POLYGALA MYRTIFOLIA L. Polygalaceae.

No. 584.

241582. SCHOTIA BRACHYPETALA Sond. Caesalpinaceae.

No. 607.

241579 to 241584—Continued

241583. *VIRGILIA DIVARICATA* Adamson. Fabaceae.

No. 676.

241584. *VIRGILIA OROBOIDES* (Berg.) Salter

No. 677.

241585. *TRIGONELLA SUAVISSIMA* Lindl. Fabaceae.

From Australia. Seeds presented by W. W. Bryan, South Queensland.
Received August 2, 1957.

241586. *LOLIUM MULTIFLORUM* Lam. Poaceae. **Italian ryegrass.**

From Spain. Seeds presented by the Instituto Nacional de Investigaciones Agronomicas, Madrid. Received August 2, 1957.

241587 to 241600.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received August 2, 1957.

241587. *ASTRAGALUS SINICUS* L. Fabaceae.

Milkvetch

241588 and 241589. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae.

Cauliflower.

241588. 'Fengshan'. Extra early.

241589. 'Fengshan Hsiashang'.

241590. *BRASSICA PEKINENSIS* (Lour.) Rupr.

Chinese cabbage.

241591. *CORCHORUS CAPSULARIS* L. Tiliaceae.

Jute.

241592. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

241593. *PISUM SATIVUM* L. Fabaceae.

Garden pea.

241594. *SOLANUM MELONGENA* L. Solanaceae.

Eggplant.

241595 to 241599. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

241595. 'Taichung No. 2'.

241596. 'Taichung No. 23'.

241597. 'Taichung No. 29'.

241598. 'Taichung No. 31'.

241599. 'Taichung No. 32'.

241600. *VICIA FABA* L. Fabaceae.

Broadbean.

241601. *CITRUS* (hybrid). Rutaceae.

From New Caledonia. Seeds presented by Felix Demene, Etude A. Daly, Noumea. Received August 2, 1957.

Mandarin-orange.

241602 to 241607.

From Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 5, 1957.

241602 and 241603. Jardin Botanico, Madrid.

241602. *ACHIMENES LANATA* Hanst. Gesneriaceae.

Col. No. 5052. Rhizomatous perennial to 6 inches high; leaves white-woolly beneath; flowers light blue. (Plants.)

241603. *LAPIEDRA MARTINEZII* Lag. Amaryllidaceae.

Col. No. 5051. Bulbous perennial; leaves two, basal, linear. (Bulbs.)

241602 to 241607—Continued

241604. *NOTELAEA EXCELSA* Webb & Berth. Oleaceae.

Col. No. 5043. Jardin Botanico 'Marimurtra', Province of Gerona, Blanes. Small evergreen tree to 25 feet high; leaves lustrous, hollylike; flowers greenish; fruit size of a ripe olive, black.

241605. *OSYRIS ALBA* L. Santalaceae.

Col. No. 5053. Toledo Province. Dioecious shrub to 5 feet high, forming dense clumps; stems dark green; fruit bright red. (Seeds.)

241606 and 241607. Greenhouse, Jardin Botanico, Madrid.

241606. *VELLOZIA ELEGANS* Talbot. Velloziaceae.

Col. No. 5050. Rhizomatous perennial, densely tufted; leaves lustrous; flowers white. (Plants.)

241607. *PIPER ORNATUM* N. E. Br. Piperaceae.

Col. No. 5049. Scandent perennial; background green, veins carmine. (Cuttings.)

241608. *LOLIUM PERENNE* L. Poaceae.

Perennial ryegrass.

From Greece. Seeds presented by the Hellenic Agricultural Research Station, Larissa. Received August 5, 1957.

241609 to 241623. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

From Australia. Seeds presented by the Department of Agriculture, New South Wales. Received August 5, 1957.

241609. 'Hancock'.

241610. 'Hawkesburg B/56/36'. Solid white.

241611. 'Hybrid Fi B/54/6'.

241612. 'Phenominal Type 4'.

241613. 'Phenominal B/53/14'.

241614. 'Phenominal B/55/8'.

241615. 'Phenominal Ba/56/36'.

241616. 'Phenominal B/56/40'.

241617. 'Russian 2A B/56/11'.

241618. 'Russian 2A B/56/35'.

241619. 'Shankers Shorts Ba/56/34'.

241620. 'Snowball A B/56/23'.

241621. 'Snowball X B/56/25'.

241622. 'Snowball Y B/56/26'.

241623. 'White King Ve/53/2'.

241624 and 241625.

From Thailand. Seeds presented by Steve O'Rourke, Bangkok. Received August 5, 1957.

From farm of Kuhm Boomeruang Yontrarak, Northeast Highway, Muak Lek.

241624. *COFFEA* sp. Rubiaceae.

241625. *EUPHORIA LONGANA* Lam. Sapindaceae.

Lungan.

241626 to 241836.

From Chile, Colombia, Ecuador, and Peru. Collected by C. M. Rick, University of California, Davis. Received August 6, 1957.

241626 to 241836—Continued**241626.** *ALLIUM* sp. Liliaceae.

No. 1393. Tacna, Peru.

241627. *ALONSOA* sp. Scrophulariaceae.

No. 1231. Carrizal, Peru.

241628. *ALSTROEMERIA LIGTU* Falck. Amaryllidaceae.

No. 1407. Centinela, Chile.

241629. *ALSTROEMERIA* sp.

No. 1386. Atico, Peru.

241630. *ANANAS COMOSUS* (L.) Merr. Bromeliaceae.**Pineapple.**

No. 1287A. Guayaquil, Ecuador.

241631 to 241633. *ARACHIS HYPOGAEA* L. Fabaceae.**Peanut.****241631.** No. 1373. Trujillo, Peru.**241632.** No. 1379. Guayaquil, Ecuador.**241633.** No. 1441. Chinchá, Peru.**241634.** *BEGONIA* sp. Begoniaceae.

No. 1222. Trujillo, Peru.

241635. *BROWALLIA* sp. Solanaceae.

No. 1219. Cascas, Peru.

241636. *BROWALLIA* sp.

No. 1251. Motupe, Peru.

241637. *CALANDRINIA CYMOSA* Phil. Portulacaceae.

No. 1396. Chuquicamata, Chile.

241638. *CALCEOLARIA* sp. Scrophulariaceae.

No. 1210. Canta, Peru.

241639. *CALONYCTION* sp. Convolvulaceae.

No. 1294. Cerecita, Ecuador.

241640 to 241680. *CAPSICUM FRUTESCENS* L. Solanaceae.**Redpepper.****241640 to 241645.** Buenaventura, Colombia.**241640.** No. 1201.**241643.** No. 1204.**241641.** No. 1202.**241644.** No. 1205.**241642.** No. 1203.**241645.** No. 1206.**241646 to 241649.** Tingo Maria, Peru.**241646.** No. 1213.**241648.** No. 1215.**241647.** No. 1214.**241649.** No. 1216.**241650 to 241655.** Reque, Peru.**241650.** No. 1236.**241653.** No. 1240.**241651.** No. 1238.**241654.** No. 1241.**241652.** No. 1239.**241655.** No. 1242.**241656 and 241657.** Celendin, Peru.**241656.** No. 1243.**241657.** No. 1246.**241658 to 241667.** Piura, Peru.**241658.** No. 1252.**241660.** No. 1254.**241659.** No. 1253.**241661.** No. 1255.

241626 to 241836—Continued**241646 to 241680—Continued****241658 to 241667—Continued**

241663. No. 1257.

241665. No. 1260.

241664. No. 1259.

241666. No. 1261.

241662. No. 1256.

241667. No. 1262.

241668 to 241673. Guayaquil, Ecuador.

241668. No. 1276.

241671. No. 1279.

241669. No. 1277.

241672. No. 1280.

241670. No. 1278.

241673. No. 1281.

241674 to 241676. Pichilingue, Ecuador.

241674. No. 1282.

241676. No. 1285.

241675. No. 1284.

241677 and 241678. Tacna, Peru.

241677. No. 1391.

241678. No. 1392.

241679. Santiago, Chile.

No. 1405.

241680. Tacna, Peru.

No. 1411.

241681 to 241686. CAPSICUM PUBESCENS Ruiz & Pav. Solanaceae.**241681 and 241682.** Chota, Peru.

241681. No. 1244.

241682. No. 1245.

241683 to 241686. Tacna, Peru.

241683. No. 1390-1.

241685. No. 1390-3.

241684. No. 1390-2.

241686. No. 1390-4.

241687. CAPSICUM sp.

No. 1338. Santa Cruz, Ecuador.

241688. CARICA PAPAYA L. Caricaceae.**Papaya.**

No. 1271. Guayaquil, Ecuador.

241689. CITRULLUS VULGARIS Schrad. Cucurbitaceae.**Watermelon.**

No. 1394. Azapa, Chile.

241690 and 241691. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

241690. No. 1270. Guayaquil, Ecuador.

241691. No. 1415. Puerto Varas, Chile.

241692. CUCURBITA MOSCHATA Duchesne ex Poir Cucurbitaceae. **Cushaw.**

No. 1290. Cerecita, Ecuador.

241693 and 241694. CYCLANTHERA PEDATA (L.) Schrad. Cucurbitaceae.

241693. No. 1269. Guayaquil, Ecuador.

241694. No. 1275.

241695. CYPELLA sp. Iridaceae.

No. 1410. Pucon, Chile.

241626 to 241836—Continued**241696.** *CYPELLA* sp.

No. 1413. Centinela, Chile.

241697 and 241698. *CYPHOMANDRA BETACEA* (Cav.) Sendt. Solanaceae.
Tree-tomato.**241697.** No. 1272. Guayaquil, Ecuador.**241698.** No. 1417. La Serena, Chile.**241699.** *DOLICHOS LABLAB* L. Fabaceae.**Hyacinth-bean.**

No. 1375. Trujillo, Peru.

241700. *FRAGARIA* sp. Rosaceae.

No. 1273. Ambato, Ecuador.

241701. *FRAGARIA* sp.

No. 1426. Huaura, Peru.

241702. *FUCHSIA MAGELLANICA* Lam. Onagraceae.**Magellan fuchsia.**

No. 1416. Puerto Varas, Chile.

241703. *GESNERIA* sp. GESNERIACEAE.

No. 1287. Pichilingue, Ecuador.

241704 to 241708. *GOSSYPIMUM BARBADENSE* L. Malvaceae. **Sea island cotton.****241704.** No. 1225. Llallan, Peru.**241705.** No. 1233. Carrizal, Peru.**241706.** No. 1288. Cerecita, Ecuador.**241707.** No. 1289. Cerecita, Ecuador.**241708.** No. 1383. Playas, Ecuador.**241709 to 241722.** *GOSSYPIMUM DARWINII* Watt.**Cotton.****241709.** No. 1304. Puerto Baquerizo, Ecuador.**241710.** No. 1309. San Cristobal, Ecuador.**241711.** No. 1311. San Cristobal, Ecuador.**241712.** No. 1313. Negritos, Ecuador.**241713.** No. 1316. Duncan, Ecuador.**241714.** No. 1318. Conway Bay, Ecuador.**241715.** No. 1322. Tiburon Bay, Ecuador.**241716.** No. 1325. Borrero Bay, Ecuador.**241717.** No. 1328. Borrero Bay, Ecuador.**241718.** No. 1334. Jervis, Ecuador.**241719.** No. 1335. Eden, Ecuador.**241720.** No. 1356. Gardener, Ecuador.**241721.** No. 1364. Floreana, Ecuador.**241722.** No. 1368. Villamil, Ecuador.**241723 to 241726.** *GOSSYPIMUM KLOTZSCHIANUM* Anders.**Cotton.****241723.** No. 1310. San Cristobal, Ecuador.**241724.** No. 1319. Conway Bay, Ecuador.**241725.** No. 1323. Tiburon Bay, Ecuador.**241726.** No. 1326. Torrero Bay, Ecuador.**241727.** *GOSSYPIMUM RAIMONDII* Ulbrich**Cotton.**

No. 1221. Tambo, Peru.

241626 to 241836—Continued

241728. *Ilex* sp. Aquifoliaceae.

No. 1421. Puerto Varas, Chile.

241729. *Ipomoea crassicaulis* (Benth.) B. L. Robinson Convolvulaceae.

Morning-glory.

No. 159. Gardener, Ecuador.

241730. *Ipomoea megapota* Choisy.

No. 1227. Llallan, Peru.

241731. *Ipomoea polyanthes* Roem. & Schult.

No. 1283. Pichilingue, Ecuador.

241732. *Ipomoea* sp.

No. 1218. Cascas, Peru.

241733. *Ipomoea* sp.

No. 1229. Magdalena, Peru.

241734. *Ipomoea* sp.

No. 1247. Paso Porcullo, Peru.

241735. *Ipomoea* sp.

No. 1268. Guayaquil, Ecuador.

241736. *Ipomoea* sp.

No. 1291. Cerecita, Ecuador.

241737. *Ipomoea* sp.

No. 1292. Cerecita, Ecuador.

241738. *Ipomoea* sp.

No. 1293. Cerecita, Ecuador.

241739. *Ipomoea* sp.

No. 1300. Balzar, Ecuador.

241740. *Ipomoea* sp.

No. 1308. Puerto Baquerizo, Ecuador.

241741. *Ipomoea* sp.

No. 1312. San Cristobal, Ecuador.

241742. *Ipomoea* sp.

No. 1314. Negritos, Ecuador.

241743. *Ipomoea* sp.

No. 1315. Duncan, Ecuador.

241744. *Ipomoea* sp.

No. 1320. Conway Bay, Ecuador.

241745. *Ipomoea* sp.

No. 1339. Santa Cruz, Ecuador.

241746. *Ipomoea* sp.

No. 1341. Santa Cruz, Ecuador.

241747. *Ipomoea* sp.

No. 1360. Gardener, Ecuador.

241748. *Jacquemontia* sp. Convolvulaceae.

No. 1226. Chilete, Peru.

241626 to 241836—Continued

- 241749.** *LAGENARIA LEUCANTHA* (Duchesne) Rusby Cucurbitaceae.
 No. 1302. Calabash gourd.
- 241750.** *LAPAGERIA ROSEA* Ruiz & Pav. Liliaceae. Red Chile-bells.
 No. 1442. Loncoche, Chile.
- 241751.** *LUFFA* sp. Cucurbitaceae.
 No. 1365. Floreana, Ecuador.
- 241752.** *MIRABILIS* sp. Nyctaginaceae.
 No. 1286. Pichilingue, Ecuador.
- 241753 and 241754.** *NICANDRA PHYSALODES* (L.) Gaertn. Solanaceae.
 No. 1212. La Molina, Peru. Apple-of-Peru.
 No. 1306. Puerto Baquerizo, Ecuador.
- 241755 and 243758.** *NICOTIANA GLUTINOSA* L. Solanaceae. Tobacco.
 No. 1209. Canta, Peru. 241757. No. 1234. Carrizal, Peru.
 No. 1223. Pongo, Peru. 241758. No. 1422. Churin, Peru.
- 241759.** *NICOTIANA LANGSDORFII* Schrank
 No. 1224. Santa Alpolonia, Peru.
- 241760.** *NICOTIANA PLUMBAGINIFOLIA* Viv.
 No. 1299. Balzar, Ecuador.
- 241761.** *NICOTIANA SOLANIFOLIA* Walp.
 No. 1399. Paposo, Chile.
- 241762 to 241767.** *NICOTIANA TABACUM* L. Common tobacco.
 No. 1232. Carrizal, Peru.
 No. 1338A. Santa Cruz, Ecuador.
 No. 1338B. Santa Cruz, Ecuador.
 No. 1414. Centinela, Chile.
 No. 1424. Husura, Peru.
 No. 1425. Husura, Peru.
- 241768.** *NICOTIANA GLUTINOSA* L.
 No. 1220. Tambo, Peru.
- 241769.** *NICOTIANA PANICULATA* L.
 No. 1370. Cerro Campana, Peru.
- 241770.** *NICOTIANA* sp.
 No. 1384. Chala, Peru.
- 241771.** *NICOTIANA* sp.
 No. 1389. Yura, Peru.
- 241772.** *NOLANA* sp. Nolanaceae.
 No. 1388. Atico, Peru.
- 241773.** *PASSIFLORA* sp. Passifloraceae.
 No. 1207. Lima, Peru.
- 241774.** *PASSIFLORA* sp.
 No. 1295. Cerecita, Ecuador.

241626 to 241836—Continued

241775 to 241792. *PHASEOLUS LUNATUS* L. Fabaceae.

Lima bean.

Peru.

241775. No. 1267. Piura. 241784. No. 1432.

241776. No. 1374. Trujillo. 241785. No. 1433.

241777. No. 1376. Cajabamba. 241786. No. 1434.

241778. No. 1377. Sechin. 241787. No. 1435.

241779. No. 1427. 241788. No. 1436.

241780. No. 1428. 241789. No. 1437.

241781. No. 1429. 241790. No. 1438.

241782. No. 1430. 241791. No. 1439.

241783. No. 1431. 241792. No. 1440.

241793 to 241795. *PHASEOLUS VULGARIS* L. Fabaceae.

Common bean.

241793. No. 1378. Guayaquil, Ecuador.

241794. No. 1380. Guayaquil, Ecuador.

241795. No. 1381. Guayaquil, Ecuador.

241796. *PHYSALIS* sp. Solanaceae.

No. 1321. Conway Bay, Ecuador.

241797. *PHYSALIS* sp.

No. 1332. James Bay, Ecuador.

241798. *PHYSALIS* sp.

No. 1342. Pta. Numez, Ecuador.

241799. *PHYSALIS* sp.

No. 1357. Hood, Ecuador.

241800. *PHYSALIS* sp.

No. 1358. Gardener, Ecuador.

241801. *PHYSALIS* sp.

No. 1361. Pelican Bay, Ecuador.

241802. *PHYSALIS* sp.

No. 1366. Villamil, Ecuador.

241803. *PLUMBAGO SCANDENS* L. Plumbaginaceae.

No. 1235. Carrizal, Peru.

241804. *ROSA* sp. Rosaceae.

No. 1409. Pucon, Chile.

241805. *RUMEX* sp. Polygonaceae.

No. 1408. Pucon, Chile.

241806. *RUMEX* sp.

No. 1420. Centinela, Chile.

241807. *SCALESIA* sp. Asteraceae.

No. 1329. Borrero Bay, Ecuador.

241808. *SCALESIA* sp.

No. 1336. Eden, Ecuador.

241809. *SCALESIA* sp.

No. 1340. Santa Cruz, Ecuador.

241626 to 241836—Continued**241810.** *SCALESIA* sp.

No. 1367. Villamil, Ecuador.

241811. *SCHIZANTHUS* sp. Solanaceae.

No. 1400. Paposo, Chile.

241812. *SMILAX* sp. Smilacaceae.

No. 1412. Centinela, Chile.

241813. *SOLANUM HIRSUTISSIMUM* Standl. Solanaceae.

No. 1208. Buenaventura, Colombia.

241814 to 241817. *SOLANUM MURICATUM* Ait.**Pepino.****241814.** No. 1263. Piura, Peru.**241816.** No. 1265. Peru.**241815.** No. 1264. Peru.**241817.** No. 1266. Peru.**241818 to 241821.** *SOLANUM NIGRUM* L.**Black nightshade.****241818.** No. 1372. Sechin, Peru.**241819.** No. 1401. Taltal, Chile.**241820.** No. 1419. Centinela, Chile.**241821.** No. 1423. Churin, Peru.**241822.** *SOLANUM* sp.

No. 1228. Magdalena, Peru.

241823. *SOLANUM* sp.

No. 1395. Chuquicamata, Chile.

241824. *SOLANUM* sp.

No. 1397. Chimba, Chile.

241825. *SOLANUM* sp.

No. 1418. Vicuna, Chile.

241826. *STENOLOBIMUM* sp. Bignoniaceae.

No. 1385. Chala, Peru.

241827. *STREPTOSOLEN* sp. Solanaceae.

No. 1248. Paso Porcullo, Peru.

241828. *TAGETES* sp. Asteraceae.

No. 1249. Paso Porcullo, Peru.

241829. *THEOBROMA CACAO* L. Sterculiaceae.**Cacao.**

No. 1382. Guayaquil, Ecuador.

241830. *TIBOUCHINA* sp. Melastomataceae.

No. 1250. Paso Porcullo, Peru.

241831. *VIGUIERA* sp. Asteraceae.

No. 1230. Paso Gavilan, Peru.

241832. *VIGUIERA* sp.

No. 1406. Tambo, Peru.

241833. (Undetermined.) Apocynaceae.

No. 1296. Daular, Ecuador.

241834. (Undetermined.)

No. 1324. Tiburon Bay, Ecuador.

241626 to 241836—Continued

241835. (Undetermined.)

No. 1331. James Bay, Ecuador.

241836. *ANTHERICUM* sp. Liliaceae.

No. 1371. Derro Campana, Peru.

241837. *TERAMNUS UNINCATUS* (L.) Swartz Fabaceae.

From Costa Rica. Seed presented by the International Cooperation Administration Mission to Costa Rica, San Jose. Received August 6, 1957.

241838 and 241839.

From Spain. Plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received August 7, 1957.

241838. *CHRYSANTHEMUM PULVERULENTUM* Lag. ex Pers. Asteraceae.

Col. No. 5069. Talus slopes, along Granada, Vasares de Veleta road, Sierra Nevada Mountains. Elevation 2,500 feet. Rhizomatous perennial, stout, densely tufted; body of plant prostrate, forming small clumps; ray-flowers lemon yellow.

241839. *SENECIO TOURNEFORTII* Lapeyr. Asteraceae.

Col. No. 5067. Along Granada, Vasares de Veleta road, Sierra Nevada Mountains. Stout perennial, densely tufted; leaves thick, glaucous; flowers yellow.

241840. *CITRUS* sp. Rutaceae.

From New Caledonia. Seeds presented by F. Demene, Noumea. Received August 7, 1957.

241841 and 241842. *CHRYSANTHEMUM* sp. Asteraceae.

From Japan. Offshoots presented by H. Takahashi, Mishima, Shizuoka-ken.

241841. 'Sakura Futumi'. White spider type.

241842. 'Taiho-no-aki'.

241843. *TRIFOLIUM PRATENSE* L. Fabaceae.

Redclover.

From Japan. Seeds presented by Tonio Nakano, Hokkaido. Received August 16, 1957.

Disease-resistant strain.

241844. *PHLOMIS CRINITA* Cav. Menthaceae.

From Spain. Seed collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received August 8, 1957.

Col. No. 5074. Common along the Granada, Vasares de Veleta road to Sierra Nevada Mountains. Perennial to 3 feet high; leaves basal, lanate; flowers yellow.

241845. *CALOTROPIS GIGANTEA* (L.) R. Br. Asclepiadaceae.

From Pakistan. Seeds presented by S. Hedayetullan's Garden, Dacca. Received August 8, 1957.

241846. *PRUNUS* sp. Amygdalaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Corps Research Division, Beltsville, Md. Received August 8, 1957.

Col. No. 16765. Santo Tomas Valley, Baja California. Polypodial shrub; fruits short-peduncled; flesh thin.

241847. COFFEA RUPESTRIS Hiern Rubiaceae.

From French West Africa. Seeds presented by the Station Centrale, Boukiko.
Received August 12, 1957.

'Argo'.

241848. HYPARRHENIA RUFA (Nees) Stapf Poaceae. Jaragua.

From Guatemala. Seeds presented by United States Operations Mission,
American Embassy, Guatemala City. Received August 12, 1957.

241849. AVENA SATIVA L. Poaceae. Common oats

From Australia. Seeds presented by the Commonwealth Scientific and Industrial
Research Organization, Canberra. Received August 12, 1957.

241850 to 241874.

From Spain, Italy, France and Portugal. Collected by F. G. Meyer, agricultura
explorer, Plant Introduction Section, Crops Research Division, Beltsville,
Md. Received August 13, 1957.

241850. ACACIA HOWITTHI F. Muell. Mimosaceae.

Col. No. 4992. Stazione Sperimentale di Floricoltura 'O. Raimondo', San
Remo, Italy. Tree to 20 feet high; leaves soft, linear; flowers yellow.

241851. ANTIRRHINUM TORTUOSUM Bosc. ex Lam. Scrophulariaceae.

Col. No. 5014. Villa Roquebrune, Cap Martin, France. Shrub to 4 feet
high; leaves linear; flowers pink to lavender.

241852. CANARINA CAMPANULATA L. Campanulaceae.

Col. No. 5024. La Leonina, Beaulieu-sur-Mer, France. Tuberous perennial
climber; flowers bell shaped to 2 inches long, yellowish, brick-red or purplish
brown.

241853. CISTUS ALBIDUS L. Cistaceae.

White-leaf rockrose.

Col. No. 4986. Slopes in sparse pine woodland, inland from Cannes, France.
Evergreen shrub, white-tomentose; flowers lilac or rose.

241854 and 241855. CONVULVULUS MAURITANICUS Boiss. Convolvulaceae. Morocco convulvulus.

Stazione Sperimentale di Floricoltura 'O. Raimondo', San Remo, Italy.

241854. Col. No. 4994. 'Sabatius'. Creeping perennial, white-silvery
throughout; flowers deep blue.

241855. Col. No. 4995. More vigorous than the variety 'Sabatius'.
Flowers blue against silver background of foliage.

241856. DRACAENA THALIODES Makoy Liliaceae.

Col. No. 5093. Jardin Coloniale Ultramar's greenhouse, Lisbon, Portugal.
Perennial; leaves long petiolate, spatulate, distichous. (Cuttings.)

241857. GOETHEA STRICTIFLORA Hook. Liliaceae.

Col. No. 5094. Jardin Coloniale Ultramar's greenhouse. Shrub; flowers
red, cauliflorous. (Cuttings.)

241858. LEONOTIS DYSOPHYLLA Benth. Menthaceae.

Col. No. 5035. La Leonina, Beaulieu-sur-Mer, France. Perennial to 5
feet high, inflorescence capitate; flowers orange-yellow.

241859. LOPEZIA MINIATA DC. Onagraceae.

Col. No. 4993. Stazione Sperimentale di Floricoltura 'O. Raimondo',
San Remo, Italy. Much-branched perennial; flowers small, long, rose-red.

241860. MELOTHRIA HEDERACEA Cogn. Cucurbitaceae.

Col. No. 5035. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France.
Weak-stemmed perennial; leaves hederata-shaped, thick and succulent.

241850 to 241874—Continued

241861 and 241862. *NERIUM OLEANDER* L. Apocynaceae. **Oleander.**

241861. Col. No. 5084. Common along stream banks near Motril, Province Granada and Province Malaga, Spain. Evergreen shrub to 8 feet high; flowers deep pink. (Cuttings.)

241862. No. 5091. 'Alba'. Stream banks along road, near Rosal de la Frontera, Province Huelva, Spain. Wild evergreen shrub; flowers white. A rare albino form.

241863. *PAEONIA OFFICINALIS* L. Ranunculaceae.

Col. No. 5095. Along road banks and in chestnut orchards, West Areceno, Province Seville, Spain. Fleshy-rooted perennial; flowers red. (Roots.)

241864. *PELARGONIUM CARNOSUM* Soland. Geraniaceae.

Col. No. 5033. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Thick-stemmed perennial, nodes much swollen; leaves twice pinnate; flowers white.

241865. *PELARGONIUM FERULACEUM* Willd.

Col. No. 5032. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Fleshy-stemmed perennial; leaves dark green; flowers small, lavender.

241866. *PELARGONIUM GLAUCUM* L'Herit.

Col. No. 5027. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Much-branched perennial; leaves glaucous; flowers small, yellow.

241867. *PELARGONIUM SALMONEUM* R. A. Dyer

Col. No. 5026. Jardin Botanique, Les Cedres, St. Jean, Cap Ferrat, France. Flowers single, delicate pink.

241868. *PHASEOLUS CARACALLA* L. Fabaceae.

Snail bean.

Col. No. 5029. La Leonina, Beaulieu-sur-Mer, France. Perennial climber; flowers yellowish or purple.

241869. *PODOCARPUS MANNII* Hook. f. Taxaceae.

Col. No. 5092. Jardin Coloniald Ultramar, Belem, Lisbon, Portugal. Evergreen tree. (Cuttings.)

241870. *RUELLIA SQUARROSA* (Fenzl.) Cuf. Acanthaceae.

Col. No. 5036. La Leonina, Beaulieu-sur-Mer, France. Pubescent rhizomatous perennial; flowers blue.

241871. *SCABIOSA CRETICA* L. Dipsacaceae.

Col. No. 5037. Villa Roquebrune, Cap Martin, France. Shrub, much-branched towards the top; flowers azure blue.

241872. *THUNBERGIA GIBSONII* S. Moore Acanthaceae.

Clockvine.

Col. No. 5003. Garden of Villa Roquebrune, Cap Martin, France. Climbing perennial; flowers deep orange.

241873. *ACACIA HORRIDA* (L.) Willd. Mimosaceae.

Col. No. 5006. Serre de la Madone, garden of Major Lawrence Johnston, Val du Gorbio, Menton, France. Small spiny tree to 20 feet high, inflorescence ball-shaped; flowers bright yellow.

241874. *ACACIA CIBARIA* F. v. Muell.

Col. No. 5007. Serre de la Madone, garden of Major Lawrence Johnston, Val du Gorbio, Menton, France. Much-branched evergreen shrub to 6 feet high; leaves narrowly linear, silvery pubescent; flowers yellow.

241875 to 241878.

From Brazil. Seeds presented by the Institute of Agriculture and Industrial Research and Planning, Sao Paulo. Received August 13, 1957.

241875. *CORCHORUS CAPSULARIS* L. Tiliaceae.

Jute.

From the Amazonas Valley, State of Para.

241876 to 241878. *PASPALUM NOTATUM* Fluegge Poaceae.

Bahiagrass.

241876. 'Avenida'. Probably from State of Sao Paulo.

241877. 'Campo'. From near city of Sao Paulo.

241878. 'Paulista'. From near Ovinhos, State of Sao Paulo.

241879 to 241881.

From Israel. Seeds presented by the Plant Introduction Service, Agricultural Research Station, Nve Yaar. Received August 15, 1957.

241879. *EBENUS CRETICA* L. Fabaceae.

Originally from John Poteriades, Athens, Greece.

241880. *LUPINUS LUTEUS* L. Fabaceae.

European yellow lupine.

Coastal plain near Haifa, Israel.

241881. *LUPINUS PILOSUS* Murray

Lupine.

North Galilee, Jerusalem.

241882. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

From India. Seed presented by American Embassy, New Delhi. Received August 16, 1957.

'Sirsa No. 9'.

241883. *VIGNA VEXILLATA* (L.) A. Rich. Fabaceae.

Cowpea.

From the Belgian Congo. Seeds presented by the Botanique, Institut National Pour l'Etude Agronomique du Congo Belge, Yangambi. Received August 16, 1957.

241884 to 241893.

From Mexico. Collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 16, 1957.

From Baja California. Material received as seeds unless otherwise noted.

241884. *PRUNUS* sp. Amygdalaceae.

Col. No. 16710. Meling Ranch, east of San Telmo. Polypodial shrub; stems strong and erect.

241885. *PRUNUS* sp.

Col. No. 16742. Santo Tomas Valley. Elevation 500 feet.

Drought-resistant polypodial shrubs.

241886 to 241893. *RUMEX HYMENOSEPALUS* Torr. Polygonaceae. **Canaigre.**

241886 to 241888. Santo Tomas Valley. Elevation 500 feet. Plants large, tall, now dry and prone. (Plants.)

241886. C.

241888. E.

241887. D.

241889 to 241893. Canyada del Picacho, north end of Sierra, San Pedro Martin. Elevation 4000 feet.

241889. A.

241892. D.

241890. B.

241893. E.

241891. C.

241894 to 241911.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 20, 1957.

Material received as cuttings unless otherwise noted.

241894 to 241896. Botanical Garden, University of Coimbra, Coimbra.

241894. *ACHIMENES COCCINEA* (Scop.) Pers. Gesneriaceae.

Col. No. 5117. Tuberous-rooted perennial; leaves green above, red-veined below; flowers orange-red. (Plants.)

241895. *ARUNDINARIA* sp. Poaceae.

Col. No. 5127. Rhizomatous perennial to 8 feet high; foliage yellowish variegated. (Plant.)

241896. *BOUGAINVILLEA GLABRA* Choisy. Nyctaginaceae.

Col. No. 5126. 'Maud Chettlebourg'. Woody climber; flowers magenta.

241897. *DROSOPHYLLUM LUSITANICUM* (L.) Link. Droseraceae.

Col. No. 5130. Three miles west of Coimbra. Perennial to 12 inches high; leaves tufted, narrowly linear, covered with stalked glutinous glands for catching insects; flowers yellow. (Seeds.)

241898. *ERICA AUSTRALIS* L. Ericaceae.

Heath.

Col. No. 5131. Along the Rio Mondego, east of Coimbra. Evergreen shrub to 6 feet high; flowers lavender to pink.

241899. *ERICA UMBELLATA* L.

Heath.

Col. No. 5133. West of Coimbra. Evergreen shrub to 20 inches high; flowers lavender-purple. (Seeds.)

241900 to 241910. Botanical Garden, University of Coimbra.

241900. *FICUS GLABELLA* Blume. Moraceae.

Fig.

Col. No. 5128. Evergreen tree to 20 feet high; leaves long, coriaceous, lustrous.

241901. *GNIDIA POLYSTACHYA* Berg. Thymelaeaceae.

Col. No. 5128. Evergreen shrub to 10 feet high; leaves acicular; flowers yellow-green, fragrant.

241902. *HEBANTHE PANICULATA* (Moq.) Benth. & Hook. Amaranthaceae.

Col. No. 5123. Evergreen climber; flowers white.

241903. *HIBISCUS LILIFLORUS* Cav. Malvaceae.

Col. No. 5121. Shrub to 6 feet high; flowers scarlet, single.

241904 and 241905. *HIBISCUS ROSA-SINENSIS* L. **Chinese hibiscus.**

241904. Col. No. 5122. 'Vivicans'. Shrub; flowers double, scarlet.

241905. Col. No. 5125. 'Kermesinus'. Shrub to 10 feet high; flowers single, deep red.

241906. *IOCHROMA COCCINEA* Scheid. Solanaceae.

Col. No. 5119. Branches pendulous; flowers tubular, scarlet.

241907. *IOCHROMA WARSCEWICZII* Regel

Col. No. 5124. Shrub; leaves long, pubescent; flowers tubular, blue.

241908. *JASMINUM ODORATISSIMUM* L. Oleaceae.

Col. No. 5118. Evergreen shrub; branches somewhat arching; flowers yellow, fragrant.

241894 to 241911—Continued**241900 to 241910—Continued**

241909. *OCHNA MULTIFLORA* DC. Ochnaceae.

Col. No. 5134. Evergreen shrub; flowers bright yellow; fruit greenish; seeds black, protruding. (Seeds.)

241910. *RHAMNUS ALATERNUS* L. Rhamnaceae.

Col. No. 5132. Along the Rio Mondego, east of Coimbra. Evergreen shrub; fruits black, berrylike, juicy. (Seeds.)

241911. *ROSA* (hybrid). Rosaceae.

Col. No. 5129. 'Belle of Portugal' (*R. odorata* var. *gigantea* × Tea Rose). Botanical Garden, University of Coimbra. Climber; flowers blush pink; double; stems weak.

241912 and 241913. LOLIUM MULTIFLORUM Lam. Poaceae.**Italian ryegrass.**

From Italy. Seeds presented by the Università Degli Studi di Firenze, Florence. Received August 20, 1957.

241912. Selection No. 17, Grassland Experiment Station, Lodi.

241913. From Reggio Emilia, a town in the Po Valley.

241914 to 241927.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 22, 1957.

Material received as cuttings unless otherwise noted.

241914. *BANKSIA INTEGRIFLOIA* L. f. Proteaceae.

Col. No. 5112. Park da Pena, near Sintra, west of Lisbon. Evergreen tree to 50 feet high; leaves oblong, green above, white below; flowers yellow.

241915 and 241916. Botanical Garden, University of Lisbon.

241915. *CESTRUM FASCICULATUM* (Endl.) Miers Solanaceae.

Col. No. 5100. Shrub; branches drooping; flowers, pendulous, carmine.

241916. *EUPATORIUM OMPHALIAEFOLIUM* Kunth & Bouche Asteraceae.

Col. No. 5103. Shrub to 12 feet high; leaves fleshy, lustrous above.

241917 and 241918. *ILEX PERADO* Ait. Aquifoliaceae.

Park da Pena, Sintra, west of Lisbon.

241917. Col. No. 5109. Evergreen tree to 20 feet high; leaves thick, spiny.

241918. Col. No. 5111. Evergreen tree; leaves thick, spiny, lustrous above.

241919. *LIMONIASTRUM MONOPETALUM* (L.) Boiss. Plumbaginaceae.

Col. No. 5102. Botanical Garden, University of Lisbon. Shrub to 10 feet high; branches pendulous; leaves glaucous; flowers lavender-pink.

241920. *OLEA EUROPAEA* L. Oleaceae.

Olive.

Col. No. 5098. 'Sylvatica'. Instituto Superior de Agronomia, Lisbon. Tree to 30 feet high, large and more spreading than the common olive; fruit insignificant.

241921 to 241923. Park da Pena, Sintra, near Lisbon.

241921. *OREOPANAX* sp. Araliaceae.

Col. No. 5107. Evergreen shrub to 10 feet high; leaves shallowly lobed, scurfy tomentose.

241914 to 241927—Continued**241921 to 241923—Continued**

241922. *PITTOSPORUM HUTTONIANUM* T. Kirk Pittosporaceae.

Col. No. 5113. Evergreen tree 20 feet high; leaves green above, whitish below.

241923. *PODOCARPUS NERIIFOLIUS* D. Don Taxaceae.

Col. No. 5108. 'Variegatus'. Evergreen tree to 20 feet high; foliage variegated.

241924 and 241925. Greenhouse, Botanical Garden of Ajuda, Institute Superior de Agronomia, Lisbon.

241924. *MICROLEPIA STRIGOSA* (Thunb.) Presl

Col. No. 5096. 'Cristata'. Densely tufted fern; roots fibrous.

241925. *CASSINE MAUROCENIA* L. Celastraceae.

Col. No. 5097. Large evergreen shrub; leaves lustrous above, dull below.

241926 and 241927. Park de Monserrate, near Sintra, west of Lisbon.

241926. *OLEARIA* sp. Asteraceae.

Col. No. 5110. Evergreen shrub; leaves lustrous green above, silvery brownish below; flowers white.

241927. *TRICHILIA* sp. Meliaceae.

Col. No. 5115. Tree to 30 feet high; leaves pinnately divided; fruits densely aggregated.

241928 to 241952.

From Portugal and Spain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 26, 1957.

From Portugal unless otherwise noted.

241928. *BANKSIA GRANDIS* Willd. Proteaceae.

Col. No. 5152. Moriera da Silva et Fihlos Nursery, Oporto. Small evergreen tree. (Cuttings.)

241929 to 241934. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

241929. Col. No. 5138. Quinta do Meio, Entre Quintas, Oporto. Large bush; flowers pure white, very faint blush pink at first.

241930 to 241934. Compahnia Horticola Nursery, Oporto.

241930. Col. No. 5142. 'Dr. Baltazar de Melo'. Flowers to 4 inches across, red and white striped.

241931. Col. No. 5143. 'Portuense'. Leaves variegated; flowers double, red.

241932. Col. No. 5146. 'Augusto Leal de Gouveia Pinto'. Flowers to 5 inches across, double, convex, petals more or less erect, salmon-pink.

241933. Col. No. 5147. 'Dona Herzilia de Freitas Magalhaes'. Flowers bright crimson to deep violet.

241934. Col. No. 5148. 'Rainha Santa Isabel'. Flowers pure white.

241935 and 241936. *CAMELLIA SASANQUA* Thunb. **Sasanqua camellia.**

241935. Col. No. 5140. 'Jaune'. (Cuttings.)

241936. Col. No. 5141. 'Baronesa de Soutelinho'. Flowers pink. (Cuttings.)

241928 to 241952—Continued

241937. *CAREX MORROWII* Boott Cyperaceae.

Col. No. 5151. Perennial; leaves foot-long, narrowly linear, lax, white margin. (Plants.)

241938. *DIANTHUS BROTERI* Boiss. & Reut. Silenaceae.

Col. No. 5077. Along coast near Nerja, Malaga Province, Spain. Suffrutescent perennial; flowers lavender-pink. (Seeds.)

241939. *DRACAENA GOLDIEANA* Hook. Liliaceae.

Col. No. 5155. Moreira da Silva et Fihlos Nursery, Oporto. Rhizomatous perennial; leaves green and laterally white-striped. (Plant.)

241940. *HELICHRYSUM SEROTINUM* Boiss. Asteraceae.

Col. No. 5086. Road from Competa to Barranco, Morena, Province Malaga, Spain. Tufted perennial; leaves linear, tomentose; inflorescence flat-topped, yellow. (Seeds.)

241941 and 241942. Moreira da Silva et Fihlos Nursery, Oporto.

241941. *MEDINILLA CURTISII* Veitch. Melastomataceae.

Col. No. 5156. Small evergreen shrub; leaves lustrous above, the mid-rib conspicuous; flowers white, peduncles and pedicels coral-red.

241942. *MEDINILLA SCORTECHINII* King

Col. No. 5153. Small shrub; flowers coral. (Plant.)

241943. *ODONTOSPERMUM MARITIMUM* Sch.-Bip. Asteraceae.

Col. No. 5088. On banks above the sea near Malaga, along main road to Motril, Province Malaga, Spain. Much-branched perennial; flowers deep yellow. (Seeds.)

241944. *PASSIFLORA MOLLISSIMA* (H.B.K.) Bailey Passifloraceae.

Col. No. 5154. Moreira da Silva et Fihlos Nursery, Oporto. Vigorous climbing perennial; leaves deeply divided, three-lobed; flowers red. (Plants.)

241945. *RHAMNUS OLEOIDES* L. Rhamnaceae.

Col. No. 5081. Barranco, Moreno, Province Malaga, Spain. Creeping over rocks or sometimes upright shrub; fruit black-red. (Seeds.)

241946. *SALVIA CANDELABRUM* Boiss.

Col. No. 5080. Open rocky slopes near edge of olive grove, road from Competa to Barranco Morena, Province Malaga, Spain. Coarse perennial to 4 feet tall, much-branched; flowers long-pedicellate, blue and white.

241947. *THYMUS CAPITATUS* (L.) Link & Hoffm. Menthaceae.

Col. No. 5089. On the Roman ruins called 'Italica', northwest of Seville, Spain. Much-branched shrub to 12 inches high; flowers lavender. (Seeds.)

241948. *ONONIS NATRIX* L. Fabaceae.

Col. No. 5078. Common along coast near Motril, Province Granada, Spain. Much-branched subshrub; flowers yellow. (Seeds.)

241949. *PUTORIA CALABRICA* (L.) Pers. Rubiaceae.

Col. No. 5079. Barranco Moreno, near Competa, Province Malaga, Spain. Prostrate subshrub, creeping over rocks; flowers white, tubular; fruit red. (Seeds.)

241950. *GENISTA EQUISETIFORMIS* Spach Fabaceae.

Col. No. 5082. Near Motril, Province Granada, Spain. Much-branched subshrub, broomlike aspect; flowers yellow. (Seeds.)

241951. *GLAUCIUM FLAVUM* Crantz Papaveraceae. **Yellow hornpoppy.**

Col. No. 5087. Along road banks, east of Malaga near the sea, Province Malaga, Spain. Much-branched perennial to 3 feet high; flowers yellow. (Seeds.)

241928 to 241952—Continued

241952. *BOLTONIA LATISQUAMA* A. Gray Asteraceae.

Col. No. 5137. Quinta do Meio, Entre Quintas, Oporto. Rhizomatous perennial; stems stiff and robust; leaves narrowly lanceolate, glaucous; flowers white. (Plants.)

241953 to 241962.

From Mexico unless otherwise noted. Collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 26, 1957.

241953 and 241954. Valle de la Trinidad, Baja California.

241953. *ANGELICA* sp. Apiaceae.

Col. No. 16727. Herb with several stems from leafy base; leaves finely pinnately dissected.

241954. *ANGELICA* sp.

Col. No. 16731. Herb; seeds dark-colored.

241955. *ANGELICA TOMENTOSA* S. Wats.

Col. No. 16744. Dripping Springs, Riverside County, California. Elevation 2,000 feet. Deep-rooted perennial; leaves finely dissected; celerylike odor.

241956. *ANGELICA* sp.

Col. No. 16730. 'Chuchupate'. Valle de la Trinidad, Baja California. Annual herb.

241957. *ANGELICA* sp.

Col. No. 16718. Twelve miles west of Valle de la Trinidad, Baja California.

241958. *ANGELICA* sp.

Col. No. 16728. 'Chuchupate'. Valle de la Trinidad, Baja California. Perennial herb; stems reddish; roots long, fleshy.

241959. *ANGELICA* sp.

Col. No. 16746. Dripping Springs, Riverside County, California. Elevation 2,000 feet. Deep-rooted perennial herb.

241960. *LATHYRUS* sp. Fabaceae.

Col. No. 16720. West of Valle de la Trinidad, Baja California. Erect perennial herb.

241961. *LIGUSTICUM* sp. Apiaceae.

Col. No. 16735. Forty-five miles east of Ensenada. Perennial herb growing under chaparral; root thickened. Used medicinally.

241962. *MARAH MACROCARPA* (Greene) Greene Cucurbitaceae.

Col. No. 16709. 'Chilacote'. Meling Ranch, 25 miles east of San Telmo, Baja California. Small vine.

241963 to 241968.

From England. Budsticks presented by the East Malling Research Station, Kent. Received August 26, 1957.

241963 and 241964. *CYDONIA OBLONGA* Mill. Malaceae.

Quince.

241963. C7/1.

241964. C7/2.

241965 and 241966. *MALUS SYLVESTRIS* (L.) Mill. Malaceae.

Apple.

241965. 'Tydemans Early Worcester'.

241966. 'Tydemans Late Orange'.

241963 to 241968—Continued**241967 and 241968.** *PYRUS COMMUNIS* L. Malaceae.**Common pear.****241967.** 'Beurre Hardy'.**241968.** 'William Bon Chretien'.**241969 to 241972.** *PYRUS COMMUNIS* L.**Common pear.**

From Italy. Budsticks presented by the Istituto di Fruticoltura E di Elettrogenetica, Rome. Received August 26, 1957.

241969. No. 1025.**241971.** No. Itala 999.**241970.** No. 2439.**241972.** Mora 112.**241973 and 241974.**

From France. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 27, 1957.

Private Nursery of Raymond Chenault, Close Fleuri, Orleans.

241973. *MAGNOLIA* × *SOULANGEANA* Soul. Magnoliaceae.

Col. No. 5158. 'Alba'. Flowers pure white.

241974. *PINUS NIGRA* Arnold Pinaceae.**Austrian pine.**

Col. No. 5157. 'Pyramidalis'. Shrubby variety.

241975. *SCHREBERA MAZOENSIS* S. Moore Oleaceae.

From Southern Rhodesia. Seeds presented by the Conservator of Forests, Bulawayo. Received August 27, 1957.

241976 to 241981.

From Portugal. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 27, 1957.

241976. *BEGONIA PAULENSIS* A. DC. Begoniaceae.

Col. No. 5149. Nursery of Moreira da Silva et Fihlos, Oporto. Rhizomatous perennial; leaves peltate, more or less oblique. Upper surface light green, veinlets depressed. (Plants.)

241977 to 251979. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.****241977.** Col. 5139. 'Princeza Real'. Quinto do Meio, Entre Quintas, Oporto. Old Portuguese variety. (Cuttings.)**241978 and 241979.** Nursery of Companhia Horticola, Oporto.**241978.** Col. No. 5144. 'Dona Jane Andresen'.**241979.** Col. No. 5145. 'Saudade de Martins Branco'.**241980.** *SCRIPUS CERNUUS* Vahl Cyperaceae.

Col. No. 5150. Nursery of Moreira da Silva et Fihlos, Oporto. Perennial; leaves threadlike, drooping. (Plants.)

241981. *VIBURNUM JAPONICUM* (Thunb.) Spreng. Caprifoliaceae.

Col. No. 5135. Woodland, Quinta da Meio, Entre Quintas, Oporto. Evergreen shrub to 8 feet high; leaves lustrous; flowers white.

241982 to 241998. *VOANDZEIA SUBTERRANEA* (L.) Thouars Fabaceae.

From Africa. Seeds presented by F. R. Irvine, London, England. Received August 27, 1957.

241982. 'Kahemba'.

241982 to 241998—Continued**241983 to 241992.** Senegal, French West Africa.**241983.** V 44-1.**241988.** V 50-34B.**241984.** V 50-3.**241989.** V 51-1.**241985.** V 50-26.**241990.** V 53-1.**241986.** V 50-27.**241991.** V 53-11.**241987.** V 50-31.**241992.** V 54-7.**241993 and 241994.** Rhodesia.**241993.** Cream seeded.**241994.** Red seeded.**241995 to 241998.** Barotseland.**241995.** Type 1.**241997.** Type 4.**241996.** Type 3.**241998.** Type 5.**241999. MALUS SYLVESTRIS Mill. Malaceae. Common apple.**

From Australia. Budsticks presented by C. Longbecker & Sons Nurseries, Bundaberg, Queensland. Received September 4, 1957.

242000 to 242009. LUPINUS LUTEUS L. Fabaceae.**European yellow lupine.**

From the United States. Seeds held at the Agricultural Experiment Station, Gainesville, Florida. Numbered August 27, 1957.

242000. G79. 'Lourinha Stamm'. No. 66.**242001.** G80. 'Lourinha Stamm'. No. 64.**242002.** G81. 'Palmela Stamm'. No. 70.**242003.** G82. 'Pinhal Novo Stamm'. No. 78.**242004.** G83. 'Brejosde Azecetao Stamm'. No. 101.**242005.** G84. 'Muncheberger Gelb Susslupine Stimmi Weiko II'.**242006.** G85. 'Muncheberger Gelb Susslupine Sorte Weiko III'.**242007.** G86. 'Muncheberger Gelb Bitterlupine Stammi Schwarz-Kornig, Nicktplatzend'.**242008.** G87. 'Muncheberger Gelb Bitterlupine Stammi 3535A'.**242009.** G88. 'Muncheberger Gelb Bitterlupine Stammi: N 262'.**242010 to 242012. MALUS SYLVESTRIS Mill. Malaceae.****Common apple.**

From Tasmania. Budsticks presented by Mr. Oates, Grove, Huon. Received August 29, 1957.

242010. 'Black Crofton'.**242011.** 'Lalla'.**242012.** 'Legana'.**242013 to 242026.**

From France. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received August 29, 1957.

242013 to 242015. Nursery of Marcel Lecoufle, Boissy St. Leger, Seine et Oise.**242013.** *ALOCASIA CUCULLATA* (Pers.) Schott Araceae.

Col. No. 5175. Perennial; leaves lustrous, deep green, 1 foot long. (Plant.)

242013 to 242026—Continued**242013 to 242015—Continued**

242014. *ALOCASIA WAVRINIANA* Mast.

Col. No. 5173. Rhizomatous perennial; leaves deeply dentate, auriculate and metallic green. (Plant.)

242015. *CYRTOSPERMA JOHSTONII* N. E. Br. Araceae.

Col. No. 5176. Perennial; leaf blades deeply cordate, petiole fringed, veins red. (Plants.)

242016. *FIGUS RUBIGINOSA* Desf. Moraceae.

Rusty fig.

Col. No. 5166. 'Variegata'. Vilmorin-Andrieux & Co., Paris. Evergreen tree; leaves variegated white. (Cuttings.)

242017 and 242018. *GINKGO BILOBA* L. Ginkgoaceae.

Maidenhair-tree.

Jardin Kahn, St. Cloud-sur-Seine, Bois de Boulogne. (Cuttings.)

242017. Col. No. 5171. 'Pendula'. Deciduous tree to 40 feet high; branches pendulous.

242018. Col. No. 5172. 'St. Cloud'. Deciduous tree to 40 feet high; branches at right angles to trunk; leaves dense.

242019 to 242023. Nursery of Marcel Lecoufle, Boissy St. Leger, Seine et Oise.

242019 and 242020. *NEPENTHES AMPULLARIA* Jack Nepenthaceae.

242019. Col. No. 5177. Originally from Malaya. (Plants.)

242020. Col. No. 5178. 'Vittata'. (Plants.)

242021. *NEPENTHES KHASIANA* Hook. f.

Col. No. 5181. Native of India. (Plants.)

242022. *NEPENTHES RAFFLESIANA* Jack

Col. No. 5179. Originally from Malaya. (Plant.)

242023. *NEPENTHES VENTRICOSA* Blanco

Col. No. 5180. Pitchers green, constricted in the middle, six inches long. (Cuttings.)

242024 and 242025. Arboretum, Vilmorin Andrieux & Co., Paris.

242024. *PTEROCELTIS TARTARINOWII* Maxim. Ulmaceae.

Col. No. 5167. Deciduous tree to 25 feet high; habit and leaves celtis-like. (Cuttings.)

242025. *X PYRACOMELES VILMORINII* Rehder. Malaceae.

Col. No. 5168. Deciduous shrub; leaves pinnate. (Cuttings.)

242026. *ALOCASIA PORTEI* (Schott) Engl. & Becc. Araceae.

Col. No. 5174. Nursery of Marcel Lecoufle, Boissy St. Leger, Seine et Oise. Giant perennial herb; leaves deeply pinnate, lustrous green. (Plant.)

242027 and 242028.

From Denmark. Seeds presented by the Botanic Garden, University of Copenhagen, Copenhagen. Received August 29, 1957.

242027. *PISUM JOMARDII* Schrank Fabaceae.

Pea.

242028. *PISUM SATIVUM* L.

Garden pea.

242029. *PANCRATIUM MARITIMUM* L. Amaryllidaceae.

From Spain. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 3, 1957.

Col. No. 5090. In sand, east of Malaga along the coastal road, Malaga.

Bulbs to 4 inches in diameter; leaves appear in the spring; flowers white and fragrant in midsummer.

242030 to 242044.

From Portugal and Spain. Seed collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 3, 1957.

Material collected in Spain unless otherwise noted.

242030. ANTIRRHINUM GLUTINOSUM Boiss. & Reut. Scrophulariaceae.

Col. No. 5070. North of Granada on the road to Jaen, Province of Granada. Perennial, much-branched from the base; flowers yellowish-white.

242031. CALLITRIS CUPRESSIFORMIS Vent. Pinaceae.

Col. No. 5116. Park da Pena, near Sintra, west of Lisbon, Portugal

242032 to 242034. Along Granada-Vasares de Veleta road, Sierra Nevada Mountains.**242032. CHADNORRHINUM CRASSIFOLIUM var. GLARESOU Boiss. Scrophulariaceae.**

Col. No. 5068. Densely tufted rhizomatous perennial, forming small mats; flowers bluish-purple, throat reddish.

242033. DAPHNE GINDIUM L. Thymelaeaceae.

Col. No. 5076. Evergreen shrub, much-branched from the base; flowers at the ends of the branches, creamy-white and fragrant; fruit fleshy, orange-red.

242034. DAPHNE OLEOIDES Schreb.

Olive daphne.

Col. No. 5072. Much-branched evergreen shrub to 4 feet high; flowers white to purplish; fruit red.

242035. DIANTHUS BRACHYANTHUS Boiss. Silenaceae.

Col. No. 5063. Behind the Penones de San Francisco (Hotel), Granada-Vasares de Veleta road to Sierra Nevada Mountains. Densely tufted perennial; flowers rose.

242036. DIGITALIS OBSCURA L. Scrophulariaceae.

Col. No. 5075. Along road from Granada to Vasares de Veleta, Sierra Nevada Mountains. Much-branched shrub; flowers reddish yellow; leaves willowlike.

242037. ERINACEA PUNGENS Boiss. Fabaceae.

Col. No. 5059. Along road to the Summit of the Sierra Nevada Mountains. Densely tufted cushion plant; branches naked and spine-tipped, yellowish-green; flowers blue.

242038. LYCIUM AFRUM L. Solanaceae.

Col. No. 5106. Botanical Garden, University of Lisbon, Portugal. Large much-branched shrub; fruits orange.

242039. MARRUBIUM SUPINUM L. Menthaceae.

Col. No. 5058. Behind the Penones de San Francisco, Sierra Nevada Mountains. Rhizomatous perennial; flowers lavender.

242040. PHLOMIS HERBA-VENTI L. Menthaceae.

Col. No. 5071. Along stream bank north of Granada on road to Jaen. Perennial; leaves lustrous green above; flowers lavender to violet.

242041. RHAMNUS OLEOIDES L. Rhamnaceae.

Col. No. 5073. Along the Granada-Vasares de Veleta road to the Sierra Nevada Mountains. Fruits red, turning black.

242042 and 242043. Botanical Garden, University of Lisbon, Portugal.**242042. QUILLAJA BRASILIENSIS (St. Hil. & Tul.) Mart. Rosaceae.**

Col. No. 5101. Tree to 30 feet high; flowers white and fragrant.

242030 to 242044—Continued**242042 to 242043—Continued**

242043. *RUELLIA CILIATIFLORA* Hook. Acanthaceae.

Col. No. 5099. Perennial; flowers dark purple.

242044. *TOUCRIUM POLIUM* L. Menthaceae.

Col. No. 5060. Sierra Nevada Mountains, Granada-Vasares de Veleta. Densely tufted perennial; leaves grayish to silvery white; flowers yellow.

242045 to 242054. *COFFEA CANEPHORA* Pierre ex Froehn. Rubiaceae. **Robusta coffee.**

From Indonesia. Seeds presented by Balai Penyelidikan Centrale, Proefstations Vereniging, Bogor. Received September 3, 1957.

242045. B.P.-4.

242050. B.P.-358.

242046. B.P.-25.

242051. S.A.-13.

242047. B.P.-39.

242052. S.A.-34.

242048. B.P.-42.

242053. S.A.-237.

242049. B.P.-46.

242054. S.A. Rob-BGN-300.

242055 to 242059. *COFFEA* (hybrid). Rubiaceae.

From New Caledonia. Seeds presented by the Commission du Pacifique Sud Noumea. Received September 3, 1957.

Grown at Ponerihouen.

242055. No. 1.

242058. No. 4.

242056. No. 2.

242059. No. 5.

242057. No. 3.

242060. *ABUTILON HYBRIDUM* Voss Malvaceae.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 4, 1957.

Col. No. 5182. 'Golden Fleece'. Nursery of H. Johnson, Halsall Road, Birkdale, Southport, England. Shrub; leaves grapelike; flowers bell shaped, yellow.

242061 to 242085. *HEVEA BRASILIENSIS* (A. Juss.) Muell.-Arg. Euphorbiaceae. **Para rubber tree.**

From Ceylon. Budsticks presented by the Director of the Rubber Research Institute, Dartonfield, Agalawatta. Received September 9, 1957.

242061. Hil 28.

242074. RRIC 36.

242062. Nab 12.

242075. RRIC 37.

242063. Nab 15.

242076. RRIC 40.

242064. Nab 20.

242077. RRIC 42.

242065. RRIC 9.

242078. RRIC 45.

242066. RRIC 13.

242079. RRIC 46.

242067. RRIC 16.

242080. RRIC 47.

242068. RRIC 22.

242081. RRIC 48.

242069. RRIC 24.

242082. RRIC 50.

242070. RRIC 28.

242083. RRIC 60.

242071. RRIC 29.

242084. RRIC 74.

242072. RRIC 31.

242085. Wag 6278.

242073. RRIC 33.

242086 to 242089.

From Morocco. Seeds presented by the Service de la Recherche, Rabat. Received September 9, 1957.

242086 to 242088. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae. **Lupine.**

242086. L. No. 73.

242088. L. No. 77.

242087. L. No. 75.

242089. *STIPA TENACISSIMA* Jusl. Poaceae. **Esparto needlegrass.**

242090 to 242099.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 10, 1957.

From nursery of T. R. Hayes, Ambleside, Westmoreland, England.

242090 and 242091. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae. **Lawson falsecypress.**

242090. Col. No. 5192. 'Minima Rogersii Aurea'. Dwarf, densely fastigate; twig ends yellow.

242091. Col. No. 5194. 'Minima Rogersii Aurea'.

242092 and 242093. *CRYPTOMERIA JAPONICA* (L. f.) D. Don Pinaceae. **Common cryptomeria.**

242092. Col. No. 5191. 'Globosa'. Tree, dense globose habit; twigs pendulous.

242093. Col. No. 5193.

242094 and 242095. *ESCALLONIA MACRANTHA* Hook. & Arn. Escalloniaceae.

242094. Col. No. 5187. Evergreen shrub; flowers pink.

242095. Col. No. 5188. 'Pride of Donard'. Evergreen shrub; flowers rich light-red.

242096. *ESCALLONIA* sp.

Col. No. 5185. 'William Watson'. Evergreen shrub; flowers crimson.

242097. *ESCALLONIA* sp.

Col. No. 5189. 'Peach Blossom'. Evergreen shrub; leaves lustrous; flowers peach pink.

242098. *GENISTA TINCTORIA* L. Fabaceae.

Col. No. 5195. 'Plena'. Shrub 1 foot high, spreading; flowers yellow, double.

242099. *ILEX CRENATA* var. *NUMMULARIA* (Fr. & Sav.) Yatabe Aquifoliaceae. **Holly.**

Col. No. 5184. 'Mariesii'. Evergreen shrub; leaves nearly oval, closely set on the branches.

242100 to 242104.

From Taiwan. Seeds presented by Joint Commission on Rural Reconstruction, Taipeh. Received September 10, 1957.

242100 to 242103. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

242100. 'Tainan Pai-yu-tou No. 1'.

242101. 'Tainan Pai-yu-tou No. 2'.

242102. 'Tainung No. 1'.

242103. 'Tsingtao'.

242104. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae. **Sweetpotato.**

'Tainung No. 10'. (Tubers.)

242105. EHRETIA ANACUA (Ter. & Berl.) Johnst. Boraginaceae.

From the United States. Seeds presented by Lynn Lowry, Houston, Texas.
Received September 9, 1957.

Collected on Collete Creek, near Victoria, Texas.

242106. HORDEUM sp. Poaceae.

From Japan. Seeds presented by Skikoku Agricultural Experiment Station,
Zentsuji, Kagawa. Received September 11, 1957.

'Isehadoka Hulless'.

242107. CLERODENDRUM sp. Verbenaceae.

From Costa Rica. Seeds collected by C. H. Lankester, Cerro de la Muerte,
San Isidro. Received September 11, 1957.

242108 to 242140.

From Scotland. Cuttings by F. G. Meyer, agricultural explorer, Plant Intro-
duction Section, Crops Research Division, Beltsville, Md. Received Sep-
tember 11, 1957.

From the Botanical Garden, Edinburgh.

242108 to 242110. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.

242108. Col. No. 5213. 'Argentea Marginata'. Leaves coarse, spiny,
margin whitish band, remainder green and lustrous. (Pistillate).

242109. Col. No. 5214. 'Argentea Medio Picta'. Leaves strongly
undulate-margined, coarsely spiny-toothed, some branches with leaves
white-blotched. (Pistillate).

242110. Col. No. 5216. 'Aurea Marginata'. Leaves ovate, undulate-
margined with a yellow band on the periphery above, otherwise green and
lustrous. (Pistillate).

242111. ILEX × ALTA CLARENSIS Dallim.

Holly.

Col. No. 5209. 'Graecian'. Leaves variously recurved, tipped and
undulate, spiny-margined, lustrous and green. (Staminate).

242112 to 242115. ILEX AQUIFOLIUM L. English holly.

242112. Col. No. 5217. 'Ferox'. Hedge-Hog-Holly. Leaves strongly
undulate-margined, coarsely spiny over most of the upper surface, green and
lustrous. (Staminate).

242113. Col. No. 5228. 'Ferox-Argentea'. Leaves coarsely spiny with a
yellowish band. (Staminate).

242114. Col. No. 5196. 'Flavescens'. Leaves uniformly green irregularly
and coarsely spiny tipped, elliptic. (Pistillate).

242115. Col. No. 5197. 'Fructu-luteo'. Leaves coarsely spine-tipped,
uniformly deep lustrous green fruit yellow. (Pistillate).

242116 to 242121. ILEX × ALTA CLARENSIS Dallim.

Holly.

242116. Col. No. 5198. 'Golden King'. Leaves uniformly coarse, spiny,
some of them variously mottled yellowish through green. (Pistillate).

242117. Col. No. 5210. 'Graecian'. Leaves mostly elliptic, lustrous
green, coarsely spine-toothed. (Staminate).

242118. Col. No. 5199. 'Hodginsii Variegata'. Leaves extremely variable,
mostly coarsely spine-tipped, predominantly yellow margined, but some-
times yellow throughout. (Staminate).

242119. Col. No. 5218. 'Hodginsii'. Leaves irregularly spiny-toothed,
sometimes entire, lustrous above. (Pistillate).

242120. Col. No. 5219. 'Internedia'. Leaves elliptic, but uniformly
coarse-spiny, green and lustrous. (Pistillate).

242108 to 242140—Continued**242116 to 242121—Continued**

242121. Col. No. 5200. 'Graecian'. Leaves elliptic, uniformly lustrous green, variously recurved-tipped and spiny undulate-toothed. (Staminate).

242122. ILEX AQUIFOLIUM L.**English holly.**

Col. No. 5201. 'Laurifolia'. Leaves mostly elliptic, spine tipped, lustrous green. (Staminate).

242123. ILEX × ALTA CLARENSIS Dallim.**Holly.**

Col. No. 5220. 'Whittingtonensis'. Leaves elliptic, long and coarsely undulate-toothed, lustrous green. (Staminate).

242124 and 242125. ILEX AQUIFOLIUM L.**English holly.**

242124. Col. No. 5221. 'Lurida Variegata'. Leaves elliptic, yellow margined, otherwise deep lustrous green. (Pistillate).

242125. Col. No. 5202. 'Maderensis Variegata'. Leaves ovate, coarsely spiny-tipped, upper surface suffused yellow, variegated or green. (Pistillate).

242126. ILEX × ALTA CLARENSIS Dallim.

Col. No. 5222. 'Nobilis'. Leaves broadly ovate to elliptic, irregularly spiny-margined; twigs deep purplish. (Staminate).

242127 to 242130. ILEX AQUIFOLIUM L.**English holly.**

242127. Col. No. 5224. 'Pendula'. Branches pendulous; leaves coarsely undulate-toothed, lustrous green. (Pistillate).

242128. Col. No. 5223. 'Ovata'. Leaves ovate, uniformly short, coarsely spiny, very thick, lustrous green. (Staminate).

242129. No. 5203. 'Crispa'. Leaves variously twisted and recurved, very thick. (Staminate).

242130. Col. No. 5225. 'Serratifolia'. Leaves ovate, elliptic, undulate-margined, coarse, spiny teeth. (Staminate).

242131. ILEX × ALTA CLARENSIS Dallim.

Col. No. 5226. 'Shepherdii'. Leaves boardly ovate, irregularly and coarsely spiny, lustrous; twigs purplish. (Staminate).

242132. ILEX × ALTA CLARENSIS Dallim.

Col. No. 5227. 'Whittingtonensis'. Leaves elliptic, strongly and very coarsely spiny, undulate-margined, lustrous, green above. (Staminate).

242133. ILEX × ALTA CLARENSIS Dallim.

Col. No. 5204. 'Wilsonii'. Leaves broadly ovate, coarsely spiny-toothed; margin semi-undulate; fruits red. (Pistillate).

242134. ILEX AQUIFOLIUM L.**English holly.**

Col. No. 5215. 'Argentea-Marginata'. Leaves ovate, irregularly and coarsely spiny-toothed; margin with olive-green band. (Pistillate).

242135. ILEX CILIOSPINOSA Loes.

Col. No. 5205. Small evergreen tree; leaves ovate; spines short, soft.

242136 and 242137. ILEX FRANCHETIANA Loes.

242136. Col. No. 5211. Small evergreen tree or large shrub; staminate, with a few pistillate flowers.

242137. Col. No. 5212. Small evergreen tree or large shrub.

242138. ILEX AQUIFOLIUM L.**English holly.**

Col. No. 5206. Leaves elliptic, tip spiny.

242108 to 242140—Continued

242139. *Ilex pernyi* Franch.

Col. No. 5207. Leaves elliptic, coarsely spine-tipped, lustrous, thick.

242140. *Ilex pernyi* var. *veitchii* (Veitch) Rehd.

Col. No. 5208. Leaves ovate-elliptic, coarsely spine-tipped.

242141 to 242151. *Dioscorea* sp. Dioscoreaceae.

From Brazil. Tubers presented by W. Oliveira Costa, Rio de Janeiro. Received September 11, 1957.

242141. A.M. 5.

242147. MG-1.

242142. A.M. 7.

242148. R.J. 2.

242143. A.M. 8.

242149. R.J. 3.

242144. A.M. 9.

242150. R.J. 4.

242145. A.M. 10.

242151. R.J. 6.

242146. A.M. 11.

242152 to 242170.

From Australia. Seeds presented by E. A. Menninger, Stuart, Florida. Received September 12, 1957.

Originally from the Botanic Garden, Adelaide, unless otherwise noted.

242152. *Baikaia pluriyuga* Harms Caesalpiniaceae.

Conservator of Forests, Matabeleland, Africa.

242153. *Callistemon pachyphyllus* Cheel Myrtaceae.

Bottlebrush.

242154. *Callistemon teretifolius* F. Muell.

Bottlebrush.

242155. *Calothamnus longissimus* F. Muell. Myrtaceae.

242156. *Calothamnus rupestris* Schau.

242157. *Capparis spinosa* L. Capparidaceae.

Caper.

242158. *Coreopsis douglasii* (DC.) H. M. Hall Asteraceae.

242159. *Erythrina lysistemon* Hutch. Fabaceae.

242160. *Eucalyptus erythronema* Turcz. Myrtaceae.

Gum.

242161. *Eucalyptus sepulcralis* F. Muell.

242162. *Melaleuca densa* R. Br. Myrtaceae.

242163. *Melaleuca glomerata* F. Muell.

242164. *Melaleuca incana* R. Br.

242165. *Melaleuca lateriflora* Benth.

242166. *Melaleuca longicoma* Benth.

242167. *Melaleuca megacephala* F. Muell.

242168. *Melaleuca squamea* Labill.

242169. *Melaleuca squarrosa* J. E. Sm.

242170. *Melaleuca steedmanii* C. A. Gard.

242171 to 242181.

From Scotland. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 12, 1957.

From the Botanical Garden, Edinburgh.

242171 to 242181—Continued**242171.** *ILEX AQUIFOLIUM* L. Aquifoliaceae.**English holly.**

Col. No. 5233. 'Aurea-Regina'. Golden Queen Holly. Leaves mostly ovate, coarsely undulate-toothed, margins uniformly golden yellow. (Staminate)

242172. *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5238. 'Camelliaefolia'. Plant pistillate; leaves to 6 inches long, spine-toothed to entire.

242173 to 242178. *ILEX AQUIFOLIUM* L.**English holly.**

242173. Col. No. 5231. 'Ciliata Major'. Tree to 20 feet high; twigs purplish; leaves entire, variously undulate-margined, rarely flat.

242174. Col. No. 5234. 'Crassifolia'. Plant pistillate; leaves narrowly elliptic, thick uniformly coarse spine-toothed, semi-undulate margined.

242175. Col. No. 5237. 'Handsworth New Silver'. Leaves to 3 inches long, elliptic, uniformly coarse, long spine-toothed, semi-undulate, margins a narrow white band. (Staminate)

242176. Col. No. 5229. 'Pendula Tricolor'. Leaves uniformly coarse spine-toothed, margins mostly flat with a cream colored band. (Pistillate)

242177. Col. No. 5230. 'Watereriana'. Plant staminate, to 6 feet high, not very strong; leaves irregularly coarse, spine-toothed, sometimes entire, margin with a narrow yellow band.

242178. Col. No. 5235. 'Recurva'. Leaves uniformly coarse, undulate-spiny, lustrous green throughout. (Staminate)

242179. *ILEX CRENATA* Thunb.**Japanese holly.**

Col. No. 5239. 'Major'. Evergreen shrub to 10 feet high.

242180. *ILEX* × *BEANII* Rehd.

Col. No. 5332. (*I. aquifolium* × *I. dipyrena*) Small evergreen tree; leaves finely spine-margined, dull green, lighter below; fruits red.

242181. *ILEX AQUIFOLIUM* L.**English holly.**

Col. No. 5236. 'Maderensis'. Leaves broadly ovate, sparsely spine-toothed to entire, lustrous green above; fruits red. (Pistillate)

242182 to 242194.

From Scotland. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 13, 1957.

From the Royal Botanical Garden, Edinburgh.

242182 to 242185. *ILEX AQUIFOLIUM* L.**English holly.**

242182. Col. No. 5249. 'Aurea-Marginata Angustifolia'. Leaves coarsely spine-toothed, margins undulate with a yellowish green band.

242183. Col. No. 5243. 'Argentea-Marginata'. Leaves uniformly coarse spine-toothed, margins with a narrow creamy-white band; branches pendulous. (Pistillate)

242184. Col. No. 5241. 'Aurea Medio-Picta'. Golden Milkmaid Holly. Leaves uniformly coarse spine-toothed, margins with a band of white.

242185. Col. No. 5247. 'Balearica'. Leaves mostly ovate, dull green above, spines soft.

242186. *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5252. 'Camelliaefolia Aurea-Marginata'. Pistillate plant; leaves irregularly spine-toothed, variously mottled and blotched yellow, margins yellow or greenish yellow.

242182 to 242194—Continued**242187. ILEX AQUIFOLIUM L.****English holly.**

Col. No. 5244. 'Ferox Aurea'. Staminate plant; leaves ovate, strongly coarse spine-toothed, undulate-margined, margins recurved, upper surface of the leaf, spiny towards the tip.

242188. ILEX × ALTA CLARENSIS Dallim.

Col. No. 5240. 'Donningtonensis'. Leaves irregularly coarse toothed, tip often recurved. (Staminate)

242189 to 242191. ILEX AQUIFOLIUM L.**English holly.**

242189. Col. No. 5246. 'Latispina'. Staminate plant; leaves irregularly shaped, sometimes oblique at the tip, margins variously undulate, spiny.

242190. Col. No. 5242. 'Scotica'. Twigs purplish; leaves faintly undulate-margined, entire, tip obtuse or spiny, thick. (Staminate)

242191. Col. No. 5250. (Unnamed cultivar). Leaves coarsely spine-toothed, with a narrow yellowish-green margin.

242192. ILEX FRANCHETIANA Loes.

Col. No. 5251. Large evergreen shrub; leaves elliptic to oblanceolate. Grown under Wilson 148.

242193. ILEX FRANCHETIANA Loes.

Col. No. 5248. Leaves evergreen, elliptic, finely serrate, tip acuminate.

242194. ILEX × ALTA CLARENSIS Dallim.

Col. No. 5245. Leaves strongly and coarsely spine-toothed, undulate.

242195. EUPHORBIA LANCIFOLIA Schlecht. Euphorbiaceae.

From the United States. Plants growing at the U.S. Plant Introduction Garden, Glenn Dale, Md. Numbered September 16, 1957.

Originally obtained through Mrs. Linda Burgess, Bethesda, Md., and Dr. Donovan Correll, Renner, Texas.

242196 to 242203. LINUM USITATISSIMUM L. Linaceae.**Common flax.**

From Australia. Seeds presented by the State Research Farm, Werribee, Victoria. Received September 16, 1957.

Fibers cultivars.

242196. 'Currong W-275-A'.**242197.** 'Standard W-276-A'.**242198.** 'W 6261FKA-14'.**242199.** 'W 8041CC-3'.

Oil cultivars.

242200. 'Hazeldean'.**242201.** 'H 39 Seln'.**242202.** 'Lin de Tunisie'.**242203.** 'Uruguay'.**242204 to 242226.**

From Scotland. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 17, 1957.

From the Royal Botanical Garden, Edinburgh.

242204. GAZANIA × SPLENDENS Henderson Asteraceae.

Col. No. 5267. Perennial; flowers deep orange with a black eye.

242204 to 242226—Continued**242205. GAZANIA sp.**

Col. No. 5260. 'Freddie'. Perennial; leaves lustrous green above, white tomentose below; flowers burgundy color.

242206. GAZANIA RIGENS (L.) Moench

Col. No. 5274. Perennial; leaves silvery gray; rays yellow with black eye.

242207 to 242214. POTENTILLA FRUTICOSA L. Rosaceae. Shrubby cinquefoil

242207. Col. No. 5256. Much-branched shrub; leaves silvery gray below, lighter above; flowers deep yellow.

242208. Col. No. 5259. Shrub to 3 feet high; branches semi-spreading.

242209. Col. No. 5269. 'Arbuscula'. Much-branched shrub, forming a round-headed crown; flowers lemon-yellow.

242210. Col. No. 5266. 'Argentea Nana'. Much-branched shrub, forming a dense round-headed crown; leaves silvery-gray; flowers yellow.

242211. Col. No. 5258. 'Beesii'. Much-branched shrub to 2.5 feet high, round-headed in habit; foliage silvery-gray.

242212. Col. No. 5272. Much-branched shrub, forming a dense round head; leaves green; flowers deep yellow.

242213. Col. No. 5263. Much-branched upright shrub to 4 feet high; flowers white.

242214. Col. No. 5261. Erect shrub; foliage bright green, dense; flowers bright yellow.

242215 and 242216. POTENTILLA FRUTICOSA var. FARRERI Besant.

242215. Col. No. 5257. Much-branched, round-headed shrub; flowers deep yellow.

242216. Col. No. 5268. Much-branched, round-headed shrub; flowers 1.25 inches across.

242217 and 242218. POTENTILLA FRUTICOSA L. Shrubby cinquefoil.

242217. Col. No. 5264. Densely branched shrub, round-headed type.

242218. Col. No. 5275. Upright shrub; flowers white.

242219. POTENTILLA FRUTICOSA var. GRANDIFLORA Willd.

Col. No. 5265. Much-branched shrub; stems coarse; flowers 1.5 inches across.

242220. POTENTILLA FRUTICOSA var. MANDSHURICA Maxim.

Col. No. 5271. Much-branched shrub, forming a round-headed crown; leaves silvery-gray; flowers white.

242221 and 242222. POTENTILLA FRUTICOSA var. RIGIDA (Wall. ex Lehm.) Wolf

242221. Col. No. 5270. Upright shrub, not densely branched; flowers deep yellow.

242222. Col. No. 5273. Much-branched shrub, semisprawling; flowers deep yellow.

242223. POTENTILLA FRUTICOSA var. VILMORINIANA Komar. Cinquefoil.

Col. No. 5276. Erect shrub; branches all ascending; foliage silvery-gray; flowers creamy-yellow.

242224. ROSA STELLATA var. MIRIFICA (Greene) Cockerell Rosaceae.

Col. No. 5262. Shrub; branches arching; canes coarsely scabrous; prickles white; flowers deep pink.

242225 and 242226. ROSA XANTHINA f. SPONTANEA Rehder Korean Rose.

242225. Col. No. 5254. Large shrub; canes and prickles red; flowers lemon-yellow; fruit black-violet.

242226. Col. No. 5255. Large shrub; branches drooping. (Seeds.)

242227 to 242255.

From Scotland. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction, Crops Research Division, Beltsville, Md. Received September 17, 1957.

Royal Botanic Garden, Edinburgh.

242227. *COLLETIA INFAUSTA* N. E. Br. Rhamnaceae.

Col. No. 5294. Much-branched shrub; branches stiff, green, leafless; flowers white.

242228. *GAZANIA* sp. Asteraceae.

Col. No. 5290. 'Sunfire'. Perennial; leaves lustrous green above, white tomentose below; flowers burnt-orange with a black eye.

242229. *LEUCOJUM AUTUMNALE* L. Amaryllidaceae. **Snowflake.**

Col. No. 5280. 'Wisley'. Robust perennial; flowers larger than typical form. (Bulbs.)

242230. *LEUCOJUM VERNUM* var. *CARPATICUM* Herb.

Col. No. 5291. Flowers white, segments yellow-tipped. (Bulbs.)

242231. *MANDRAGORA OFFICINARUM* L. Solanaceae.

Col. No. 5292. Perennial; root thick, forked. (Plant.)

242232. *OSMANTHUS ARMATUS* Diels Oleaceae.

Col. No. 5298. Shrub or tree to 20 feet high; leaves coarsely spine-margined; flowers white.

242233. *OSMANTHUS DELAVAYI* Baill. **Delavay osmanthus.**

Col. No. 5300. Large evergreen shrub; flowers white.

242234. *OSMANTHUS YUNNANENSIS* (Franch.) P. S. Green

Col. No. 5296. Evergreen shrub or tree to 20 feet high; leaves strongly short-spined, dull green above; flowers white, small and fragrant.

242235. *OSMANTHUS FRAGRANS* Lour.

Col. No. 5299. 'Aurantiacus'. Evergreen shrub; leaves bright green above, shallowly serrate; flowers orange-colored.

242236. *OSMANTHUS* × *FORTUNEI* Carr.

Col. No. 5303. Large evergreen shrub; leaves coarsely toothed, thick, dark green above.

242237 and 242238. *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green

242237. Col. No. 5295. 'Myrtifolius'. Large evergreen shrub; leaves entire, narrow-oval.

242238. Col. No. 5301. 'Rotundifolius'. Evergreen shrub; leaves broadly ovate, long, margins undulate.

242239. *OSMANTHUS SERRULATUS* Rehder

Col. No. 5304. Evergreen shrub; leaves elliptic, shallowly serrate, lustrous above.

242240. *OSMANTHUS SUAVIS* C. B. Clarke

Col. No. 5302. Evergreen shrub; leaves lustrous green above; flowers white.

242241. × *OSMAREA BURKWOODII* Burk & Skipw. Oleaceae.

Col. No. 5305. (*Osmanthus delavayi* × *Phillyrea decora*).

Evergreen shrub to 10 feet high, of spreading habit; leaves to two inches long; flowers white.

242242 to 242245. *POTENTILLA FRUTICOSA* L. Rosaceae. **Shrubby cinquefoil.**

242242. Col. No. 5297. Much-branched shrub, forming a round-headed plant; flowers white.

242227 to 242255—Continued**242242 to 242245—Continued**

242243. Col. No. 5283. Much-branched shrub, forming a dense round-headed plant; flowers deep yellow.

242244. Col. No. 5281. Low shrub with spreading branches; flowers deep yellow.

242245. Col. No. 5284. Erect shrub; branches mostly ascending; flowers yellow.

242246. *POTENTILLA FRUTICOSA* var. *VEITCHII* (Wils.) Bean

Veitch cinquefoil.

Col. No. 5282. Erect shrub; branches mostly ascending; flowers white.

242247. *SALIX BOCKII* Seem. Salicaceae.

Willow.

Col. No. 5277. Shrub; leaves elliptic, shiny above, bluish white beneath. (Pistillate)

242248. *SALIX* × *BOYDII* E. F. Linton

Col. No. 5289. Erect shrub; leaves nearly oval, lustrous green above, whitish below.

242249 and 242250. *SALIX LANATA* L.

242249. Col. No. 5278. Shrub to 3 feet high; leaves elliptic to broadly ovate.

242250. Col. No. 5279. Staminate plant.

242251. *SALIX LAPPONUM* var. *STUARTIANUM* Bab.

Col. No. 5287. Deciduous shrub to 30 inches high; branches spreading; leaves broadly ovate.

242252. *SALIX REPENS* L.

Col. No. 5288. Much-branched shrub; leaves green above and silvery below.

242253 and 242254. *SALIX RETICULATA* L.

242253. Col. No. 5285. Prostrate shrub; leaves broadly ovate.

242254. Col. No. 5293. Much-branched prostrate shrub; leaves broadly ovate.

242255. *VACCINIUM DELAVAYI* Franch. Vacciniaceae.

Blueberry.

Col. No. 5286. Much-branched evergreen shrub; leaves lustrous green above, dull below.

242256 to 242259.

From Africa. Seeds presented by E. A. Menninger, Stuart, Fla.

Received September 17, 1957.

242256. *AMBLYGONOCARPUS OBTUSANGULUS* (Welw.) Harms Mimosaceae.

242257. *CLERODENDRUM GLABRUM* E. Mey. Verbenaceae.

242258. *TRICHILIA EMETICA* Vahl Meliaceae.

242259. *TRIPLOCHITON ZAMBESII* ACUS Milne-Redhead Sterculiaceae.

242260 to 242265.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 20, 1957.

From Baja California, Mexico, unless otherwise noted.

242260. *ARCTOSTAPHYLOS GLAUCA* Lindl. Ericaceae.

Col. No. 16849. Aquanga, Riverside, Cal. Elevation 2,200 feet. Large evergreen xerophytic shrub.

242260 to 242265—Continued

242261. *PENSTEMON SPECTABILIS* Thurb. Scrophulariaceae.

Col. No. 16846. Nineteen miles east of Ensenada. Elevation 2,200 feet. Herb stooling from the base with 3 to 8 stems; flowers lavender.

242262 and 242263. Santo Tomas.

242262. *RHAMNUS CROCOA* ssp. *ILICIFOLIA* (Kellogg) C. B. Wolfe Rhamnaceae.

Col. No. 16791. Spreading shrub; twigs spiny; fruits bright red. A squirrel, when eating this fruit, was observed to go into convulsions and die within 5 minutes.

242263. *SALVIA APIANA* Jepson Menthaceae.

Col. No. 16861. White Sage. Perennial herb.

242264. *SALVIA CLEVELANDII* (Gray) Greene

Col. No. 16859. Ten miles east of Ensenada. Low spreading bush; flowers blue; strongly aromatic, odor persisting in the dry heads.

242265. *VICIA* sp. Fabaceae.

Col. No. 16732. Canyada del Picacho. Perennial herb.

242266 to 242376.

From Scotland. Cuttings by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 20, 1957.

From the Botanical Garden, Edinburgh.

242266. *ACER SIKKIMENSE* Miquel Aceraceae.

Col. No. 5328. Small deciduous tree; bark smooth, white striped; leaves ovate, shallowly dentate.

242267. *BERBERIS* × *HYBRIDO-GAGNEPAINII* Sur. Berberidaceae.

Col. No. 5335. 'Tottenham'. Much-branched evergreen shrub to 3 feet high; stems spiny; leaves narrowly lanceolate.

242268. *BUDDLEIA FALLOWIANA* Balf. f. & W. W. Smith Loganiaceae.

Col. No. 5330. Shrub to 5 feet high; leaves lanceolate, green above, white tomentose below; flowers rose-purple, with an orange eye; fragrant.

242269. *BUDDLEIA NAPPII* Lorenz.

Col. No. 5307. Shrub to 5 feet high; leaves green above, silvery pubescent below.

242270. *CARRIEREA CALYCINA* Franch. Flacourtiaceae.

Col. No. 5319. Deciduous tree to 15 feet high; leaves elliptic, acuminate, shallowly serrate; veins reddish.

242271. *CHILIOTRICHUM ROSMARINIFOLIUM* Less. Asteraceae.

Col. No. 5308. Much-branched shrub to 5 feet high; leaves linear; flowers white.

242272. *CLETHRA DELAVAYI* Franch. Clethraceae.

Col. No. 5312. Deciduous shrub; leaves elliptic, green above, glaucous below.

242273. *ERCILLA VOLUBILIS* A. Juss. Phytolaccaceae.

Col. No. 5342. Rampant evergreen climber; leaves ovate, margin wavy.

242274. *EUONYMUS WILSONII* Sprag. Celastraceae.

Col. No. 5321. Small evergreen tree; leaves oblanceolate, acuminate, dark green above, whitish below.

242266 to 242376—Continued

242275 and 242276. *GENISTA VIRGATA* Link Fabaceae. **Tall woodwaxen.**

242275. Col. No. 5306. Much-branched large shrub; leaves gray.

242276. Col. No. 5345. (Seeds.)

242277. *HEDERA HELIX* L. Araliaceae. **English ivy.**

Col. No. 5318. 'Algeriensis'. Climbing evergreen shrub; juvenile leaves of irregular shape.

242278. *HEDERA RHOMBEA* (Miq.) Bean

Col. No. 5322. Japanese Ivy. Climbing evergreen shrub; leaves cordate, acuminate.

242279 and 242280. *HYDRANGEA HETEROMALLA* D. Don Hydrangeaceae.

242279. Col. No. 5343. Deciduous shrub to 10 feet high; leaves serrate, dark green above.

242280. Col. No. 5337. Deciduous shrub; leaves elliptic, strongly serrate; veins strongly impressed above.

242281. *HYPERICUM PATULUM* Thumb. Hypericaceae.

Col. No. 5331. 'Hidcote Gold'. Perennial to 2 feet high; flowers deep yellow.

242282. *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**

Col. No. 5315. 'Balearica'. Evergreen shrub to 20 feet high; leaves sparingly spined.

242283. *ILEX CORALLINA* Franch. **Coral holly.**

Col. No. 5324. Evergreen tree; leaves shallow spined, dull green above; fruits red.

242284. *JASMINUM WALLICHIANUM* Lindl. Oleaceae.

Col. No. 5317. Much-branched robust shrub; branches arching; flowers yellow.

242285. *LONICERA* sp. Caprifoliaceae.

Col. No. 5325. Deciduous shrub; branches trailing; leaves obovate.

242286. *MAHONIA* × *WAGNERI* (Jouin) Rehd. Berberidaceae.

Col. No. 5334. Evergreen shrub to 3 feet high; leaves dull green above, sharply spined.

242287. *MAHONIA AQUIFOLIUM* (Pursh) Nutt. **Oregongrape.**

Col. No. 5341. 'Aldenhamensis'. Evergreen shrub to 3 feet high; leaves dull green above, regularly spine-toothed; petioles reddish.

242288. *OSMANTHUS DELAVAYI* Baill. Oleaceae. **Delavay osmanthus.**

Col. No. 5344. Evergreen shrub to 15 feet high; flowers white. (Seeds.)

242289. *OSMANTHUS YUNNANENSIS* (Franch.) P. S. Green

Col. No. 5296. Large evergreen shrub; leaves with short margined spines.

242290 to 242292. *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green

242290. Col. No. 5310. 'Aureus'. Large shrub; leaves deeply toothed and spine tipped, margin yellowish-green.

242291. Col. No. 5311. 'Purpureus'. Evergreen shrub or small tree; leaves usually entire; veins purplish.

242292. Col. No. 5329. 'Variegatus'. Small evergreen tree or large shrub; leaves variously blotched and suffused white.

242293. *OSMANTHUS SUAVIS* C. B. Clarke

Col. No. 5333. Evergreen shrub to 10 feet high; leaves ovate to elliptic, lustrous green above.

242266 to 242376—Continued

242294. *PHOTINIA GLOMERATA* Rehd. & Wils. Malaceae.

Col. No. 5336. Evergreen shrub; leaves obovate, strongly undulate, spine-margined.

242295. *PIERIS JAPONICA* (Thunb.) G. Don. Ericaceae. **Japanese pieris.**

Col. No. 5313. 'Variegata'. Evergreen shrub to 6 feet high; leaves white-margined.

242296. *PILEOSTEGIA VIBURNOIDES* Hook. f. & Thoms. Hydrangeaceae.

Col. No. 5338. Evergreen climber; leaves long, elliptic.

242297. *PIPTANTHUS FORRESTII* Craib. Fabaceae.

Col. No. 5327. Deciduous shrub; leaves ternate, deep green above; new shoots silvery.

242298. *POTENTILLA FRUTICOSA* L. Malaceae.

Shrubby cinquefoil.

Col. No. 5340. 'Orchroleuca'. Much-branched erect shrub to 30 inches high; flowers creamy-yellow.

242299. *RHODODENDRON HODGSONII* Hook. f. Ericaceae.

Col. No. 5314. Evergreen shrub to 25 feet high; leaves leathery, metallic sheen above; flowers crimson.

242300. *RHODODENDRON MACABEANUM* Watt

Col. No. 5323. Large evergreen shrub; leaves dark green above, white tomentose below; flowers creamy-yellow.

242301. *RIBES LAURIFOLIUM* Jancz. Grossulariaceae.

Col. No. 5320. Shrub with reclining branches; leaves elliptic to ovate, strongly serrate-dentate.

242302. *RICHEA SCOPARIA* Hook. f. Epacridaceae.

Col. No. 5309. Low spreading shrub to 3 feet high; leaves spirally arranged, narrowly linear, acuminate, sharply spine-tipped.

242303. *SAMBUCUS RACEMOSA* L. Caprifoliaceae.

European red elder.

Col. No. 5332. 'Laciniata'. Deciduous shrub; branches pendulous; leaves finely dissected and divided.

242304. *CYTISUS INGRAMI* Blackl. Fabaceae.

Col. No. 5316. Shrub to 15 feet high; flowers yellow.

242305. *SKIMMIA REEVESIANA* Fortune. Rutaceae.

Col. No. 5326. 'Rubella'. Small evergreen shrub; leaves oblanceolate; flowers white.

242306. *SYCOPSIS SINENSIS* Oliver. Hamamelidaceae.

Col. No. 5339. Large evergreen shrub; stamens yellowish-green.

242307. *ABUTILON INSIGNE* Planch. Malvaceae.

Col. No. 5399. Shrub to 8 feet high; leaves cordate, acuminate, undulate.

242308. *ABUTILON MEGAPOTAMICUM* (Spreng.) St. Hil. & Naud.

Col. No. 5394. Weak stemmed shrub; leaves ovate, cordate; flowers with yellow petals, red calyx.

242309. *ABUTILON VITIFOLIUM*.

Col. No. 5409. 'Souvenir de Bonn'. Leaves deeply lobed, white-margined; flowers orange-red on long lax pedicels.

242310. *ABUTILON* sp.

Col. No. 5388. 'Red Ashfold'. Large shrub; leaves ovate, three-lobed, acuminate; flowers bell-shaped, pendulous on long pedicels, orange-red.

242266 to 242376—Continued

242311. *ALYXIA DAPHNOIDES* A. Cunn. Apocynaceae.

Col. No. 5375. Evergreen shrub; leaves verticillate; flowers white and fragrant.

242312. *AMARALIA SHERBOURNIAE* (Hook.) Wernham Rubiaceae.

Col. No. 5408. Vigorous evergreen climber; leaves ovate or elliptic, upper surface dark green, light green beneath.

242313. *ANCHOMANES HOOKERI* (Kunth) Schott Araceae.

Col. No. 5366. Tuberous-rooted perennial; stalk green with purple spots; leaves pinnately divided at the top of a 3 foot scape. (Plant.)

242314. *ARGYREIA HIRSUTA* Wight & Arn. Convolvulaceae.

Col. No. 5363. Rampant climber; leaves broadly cordate, ovate, and hairy; flowers lavender.

242315. *ARISTOLOCHIA ARGYRONEURA* Hort. ex Gentil Aristolochiaceae.

Col. No. 5413. Rampant climber; leaves cordate, base of blade red, veins whitish.

242316. *ARISTOLOCHIA WESTLANDII* Hemsl.

Col. No. 5384. Climber to 20 feet high; leaves leathery, narrowly elliptic, dark green above and lighter below.

242317. *BEGONIA LUXURIANS* Scheidw. Begoniaceae.

Col. No. 5378. Fibrous-rooted perennial; leaves digitately compound, petioles and base of leaflets reddish, deep green above, serrate.

242318. *BEGONIA PRISMATOCARPA* Hook.

Col. No. 5391. Rhizomatous perennial; leaves ovate, acuminate; flowers yellow. (Plants.)

242319. *BEGONIA RAJAH* Ridley.

Col. No. 5392. Rhizomatous perennial; petiole to 8 inches long, leaf blade oblique, undulate margined.

242320. $\times$ *BERTOLONIA HOUTTEANA* Van Houtte. Melastomataceae.

Col. No. 5371. Delicate, rhizomatous perennial; leaves ovate to nearly oval, hairy above, strongly veined, suffused coral-pink throughout. Thought to be a bigeneric hybrid of *Bertolonia* $\times$ *Sonerila*.

242321. *BUNCHOSIA ARGENTEA* (Jacq.) DC. Malpighiaceae.

Col. No. 5349. Climbing evergreen shrub; leaves mostly elliptic, lustrous green above, silvery-tomentose below.

242322. *CALATHEA NIGRICANS* Gagnep. Marantaceae.

Col. No. 5374. Rhizomatous perennial to 5 feet high; stems seminaked below; leaves tufted at the top, lanceolate, lustrous green above and reddish below. (Plants.)

242323. *CHLORANTHUS* sp. Chloranthaceae.

Col. No. 5348. Perennial to 3 feet high; leaves ovate or elliptic, to 6 inches long, bullate above, shiny green; stems swollen at the nodes.

242324. *CLINOGYNE GRANDIS* (Miq.) Benth. & Hook. f. Marantaceae.

Col. No. 5364. Rhizomatous, rank-growing perennial; leaves to 4 feet long. (Plants.)

242325. *CLYTOSTOMA BINATUM* (Thunb.) Sandwith. Bignoniaceae.

Col. No. 5410. Rank-growing evergreen climber with tendrils; leaves dark green; flowers bright orchid.

242266 to 242376—Continued

242326. *COCHLIOSTEMA JACOBIANUM* C. Koch & Linden Commelinaceae.

Col. No. 5362. Coarse, stemless epiphytic herb; leaves closely imbricated from base, spatulate; flowers dark purplish-blue. (Plant.)

242327. *COMBRETUM COCCINEUM* (Sonner.) Lam. Combretaceae.

Col. No. 5379. Evergreen vine to 20 feet long; leaves elliptic, to 4 inches long; flowers scarlet.

242328. *COSTUS TAPPENBECKIANUS* J. Braun & K. Schum. Zingiberaceae.

Col. No. 5365. Rhizomatous perennial to 4 feet high; stems succulent; leaves ovate to nearly oval.

242329. *DALECHAMPIA SPATHULATA* (Scheidw.) Baill. Euphorbiaceae.

Col. No. 5347. Perennial to 2 feet high; leaves oblanceolate; flowers subtended by rose colored bracts.

242330. *DISCHIDIA ALBIDA* Griff. Asclepiadaceae.

Col. No. 5353. Creeping perennial; stems succulent; leaves fleshy; flowers white, inconspicuous.

242331. *DRIMYS LANCEOLATA* (Poir.) Baill. Magnoliaceae.

Col. No. 5380. Evergreen shrub; leaves elliptic to oblanceolate, dark green, petioles and twigs red.

242332. *PRESTONIA VENOSA* (Lindl.) Nichols. Apocynaceae.

Col. No. 5369. Rank growing evergreen climber; leaves lanceolate, green with white veins.

242333. *ERYTHROXYLON COCA* Lam. Erythroxylaceae. **Cocaine-plant.**

Col. No. 5403. Evergreen shrub to 10 feet high; leaves narrowly oval; flowers greenish-white or yellowish.

242334. *EUGENIA MYRIOPHYLLA* Casaretti Myrtaceae.

Col. No. 5386. Evergreen shrub to 4 feet high; leaves needlelike, dark green, soft.

242335. *BREDIA TUBERCOLATA* (Guill.) Diels Melastomataceae.

Col. No. 5389. Perennial to 8 inches high, spreading to form large clumps; leaves ovate, acuminate, shiny green above and purplish below; flowers pink.

242336. *GARCINIA TINCTORIA* (DC.) W. F. Wight Clusiaceae.

Col. No. 5359. Climbing evergreen shrub; trunk woody; upper branches pendulous and in need of support; leaves to 8 inches long.

242337. *GLAZIOVIA BAUHINIODES* Bur. Bignoniaceae.

Col. No. 5406. Delicate creeper; leaves bifid, 1 inch long; climbing by tendrils with discs at the tips.

242338. *GOODENIA OVATA* J. E. Sm. Goodeniaceae.

Col. No. 5401. Shrub to 3 feet high; leaves lanceolate, serrate; flowers yellow.

242339. *GOUANIA NAPALENSIS* Wall. ex Roxb. Rhamnaceae.

Col. No. 5382. Rank growing evergreen climber with stout tendrils; leaves broadly ovate, cordate.

242340. *HIBISCUS SYRIACUS* L. Malvaceae.

Shrub-althea.

Col. No. 5493. 'Hamabo'. Deciduous shrub; flowers a clear pink with red eye.

242341. *HIPPOCRATEA OBTUSIFOLIA* Roxb. Hippocrateaceae.

Col. No. 5404. Climbing evergreen shrub; leaves elliptic to ovate, lustrous green above.

242266 to 242376—Continued

242342. *IMPATIENS* sp. *Impatiensaceae*.

Col. No. 5405. Vigorous perennial; stems semisucculent; leaves sculptured above, deep green; flowers white.

242343. *IPOMOEA HORSFALLIAE* Hook. *Convolvulaceae*. **Morning-glory.**

Col. No. 5396. 'Rheedii'. Vigorous climber; leaves deeply lobed, crenulate, lustrous green above.

242344. *KOPSIA FRUTICOSA* (Ker.) DC. *Apocynaceae*.

Col. No. 5357. Evergreen shrub; leaves obovate or elliptic, lustrous green above; flowers deep pink.

242345. *LEYCESTERIA CROCOTHRYSOS* Airy-Shaw *Caprifoliaceae*.

Col. No. 5412. Shrub to 6 feet high; leaves ovate or elliptic, crenulate; flowers yellow, in clusters at the tips of the branches.

242346. *MARCGRAVIA UMBELLATA* L. *Marcgraviaceae*.

Col. No. 5355. Climbing evergreen shrub, clinging by roots; leaves dimorphic, the aerial ones lanceolate to elliptic, acuminate, others broadly ovate.

242347. *MEDINILLA VENOSA* Blume *Melastomataceae*.

Col. No. 5397. Shrub to 3 feet high; leaves elliptic, petiolate, strongly veined, lustrous green above, soft whitish pubescent below; flowers pink.

242348. *MICONIA SALDANHAEI* Cogn.

Col. No. 5385. Shrub to 6 feet high; stems silvery; leaves broadly ovate, deep green above, lighter green below.

242349. *MOMORDICA CHARANTIA* L. *Cucurbitaceae*.

Balsam-pear.

Col. No. 5360. Annual; fruit warty, opening brilliant orange. (Seeds.)

242350. *MOSCHOSMA RIPARIUM* Hochst. *Menthaceae*.

Col. No. 5356. Perennial to 3 feet high; leaves regularly crenate-serrate; ovate; veins prominent above, impressed; petioles reddish; flowers creamy white.

242351. *MYRSINE NUMMULARIA* Hook. f. *Myrsinaceae*.

Col. No. 5350. Creeping evergreen shrub; leaves nearly oval, lustrous green above, reddish below.

242352. *OLEARIA PINIFOLIA* (Hook. f.) Benth. *Asteraceae*.

Daisytree.

Col. No. 5390. Shrub to 3 feet high; twigs of the new growth silvery, pubescent; leaves linear, lustrous green above, white tomentose below.

242353. *OXALIS FRUTICOSA* Raddi *Oxalidaceae*.

Col. No. 5367. Perennial to 1.5 feet high; petioles flattened with three small leaflets at the tip; flowers small, yellow.

242354. *PASSIFLORA ANTIOQUIENSIS* Karst. *Passifloraceae*.

Col. No. 5384. Rank-growing perennial vine with tendrils; leaves three-foliate; flowers pink, tube 2 inches long.

242355. *PASSIFLORA* × *BELLOTTII* Moore & Ayres

Col. No. 5373. Rampant climber; leaves deeply three-lobed; flowers pink and blue, sepals light pink inside, green on back, fringed petals blue and very fragrant.

242356. *PASSIFLORA* × *CARDINALIS* Masters

Col. No. 5383. (*P. alata* × *P. racemosa*). Vigorous climber with strong tendrils; leaves broadly ovate, cordate; sepals red, green on back, petals red.

242357. *PAULLINIA THALICTRIFOLIA* Juss. *Sapindaceae*.

Col. No. 5354. Perennial, climbing by tendrils; leaves fernlike twice pinnate, tips bronze tinted while young.

242266 to 242376—Continued

242358. *PELARGONIUM* sp. Geraniaceae.

Col. No. 5361. 'Klondike'. Flower double red.

242359. *PENTAPTERYGIIUM* (hybrid). Vacciniaceae.

Col. No. 5381. (*P. rugosum* × *serpens*). 'Ludgvan'. Evergreen shrub; branches drooping; leaves lanceolate, lustrous green above.

242360 and 242361. *PENTAS LANCEOLATA* (Forsk.) Schum. Rubiaceae.

242360. Col. No. 5351. 'Alba'. Perennial to 2 feet high; leaves ovate to elliptic, acuminate; flowers white, top in terminal clusters.

242361. Col. No. 5352. Flowers deep pink.

242362. *PENTAPTERYGIIUM SERPENS* (Wight) Klotzsch Vacciniaceae.

Col. No. 5387. Evergreen shrub; stems hairy; leaves lanceolate; flowers red.

242363. *PHYLLAGATHIS ROTUNDIFOLIA* Blume Melastomataceae.

Col. No. 5346. Perennial to 2 feet high; leaves nearly oval, lustrous green above, veins very prominent below.

242364. *PHYLLANTHUS ANGUSTIFOLIUS* Sw. Euphorbiaceae.

Col. No. 5407. Evergreen shrub; leaves elliptic; whole plant with fernlike appearance.

242365. *PODALYRIA CANESCENS* E. Mey. Fabaceae.

Col. No. 5411. Shrub to 6 feet high; leaves obovate, mucronate, glaucous above, canescent below.

242366. *POTHOS SCANDENS* L. Araceae.

Col. No. 5415. Rampant climber, rooting at the nodes; leaves ovate to elliptic, deep green above, petioles flattened.

242367. *RONDELETIA ODORATA* Jacq. Rubiaceae.

Col. No. 5398. Evergreen shrub to 10 feet high; leaves broadly ovate, obtuse, deep green above; flowers red-orange, at tips of branches.

242368. *RUBIA SIKKIMENSIS* Kurz. Rubiaceae.

Col. No. 5372. Evergreen perennial; leaves elliptic, verticillate.

242369. *RUBUS MOLUCCANUS* L. Rosaceae.

Col. No. 5402. Vine, essentially spineless; juvenile leaves variously dentate or lobed, velvet green above, sometimes darker along the midvein; mature leaves nearly oval-cordate.

242370. *SAINTPAULIA GROTEI* Engler Gesneriaceae.

Col. No. 5368. Rhizomatous perennial; leaves to 8 inches long, long-petiolate, blade nearly oval, serrate-dentate, dull green above, flowers blue.

242371. *SCHISSANDRA MARMORATA* Nichols Magnoliaceae.

Col. No. 5414. Stout climber; stems twining; leaves broadly ovate, acuminate dark green above, lighter below.

242372. *SCINDAPSUS HEDERACEUS* Schott Araceae.

Col. No. 5370. Climber with aerial roots; stems semi-flattened and angled; leaves lustrous green above, glaucous below.

242373. *SELAGINELLA UNCINATA* (Desv.) Spring Selaginellaceae.

Col. No. 5395. Much-branched creeper; leaves greenish iridescent.

242374. *THUNBERGIA VOGELIANA* Benth. Acanthaceae.

Col. No. 5377. Rampant evergreen climber; leaves elliptic; flowers blue.

242266 to 242376—Continued

242375. *TOCOCA LATIFOLIA* Naud. Melastomataceae.

Col. No. 5358. Perennial subshrub to 4 feet high; leaves broadly ovate, metallic green above, plaited, serrate, acuminate, veins prominent below; petioles and stems brownish, long-pubescent.

242376. *VITIS* sp. Vitaceae.

Col. No. 5376. Rampant evergreen climber; leaves digitately compound, dark green above, lighter below.

242377 to 242382. *CRYPTOMERIA JAPONICA* (L. f.) D. Don Pinaceae.
Common cryptomeria.

From Japan. Cuttings presented by Dr. H. Takeda, Chiyodaku, Tokyo. Received September 24, 1957.

242377. No. 1. 'Enko Sugi'.

242378. No. 5. 'Nankichi Sugi'.

242379. No. 2. 'Sekka Sugi'.

242380. No. 4. 'Hoo Sugi'.

242381. No. 8. 'Zindai Sugi'.

242382. No. 11. 'Unryu Sugi'.

242383. *BETA TRIGYNA* Waldst. & Kit. Chenopodiaceae.

From Germany. Seed presented by the Max Planck Institut, für Zuchtungs-forschung, Köln-Vogelsang. Received September 25, 1957.

242384 and 242385. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

From the United States. Seed collected by Quentin Jones, Plant Introduction Section, New Crops Research Branch, Beltsville, Md. Received September 24, 1957.

242384. No. 57-001.

242385. No. 57-002.

242386 to 242417.

From Scotland. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 11, 1957.

From the Botanical Garden, Edinburgh. Cuttings unless otherwise noted.

242386. *ABELIA CHINENSIS* R. Br. Caprifoliaceae.

Col. No. 5424. Shrub with drooping branches; leaves ovate, acute, dark green above; flowers white, floriferous.

242387. *ABELIA ENGLERIANA* (Graebn.) Rehd.

Col. No. 5420. Shrub to 3 feet high; leaves ovate, 1.5 inches long; flowers violet-pink.

242388. *ABELIA SPATHULATA* Sieb. & Zucc.

Japanese abelia.

Col. No. 5433. Shrub to 6 feet high; leaves broadly ovate, lustrous green above; flowers pinkish-white.

242389. *ABELIA TRIFLORA* R. Br.

Himalaya abelia.

Col. No. 5429. Deciduous shrub to 15 feet high; much-branched from the base; flowers pinkish-white, fragrant.

242390. *ABELIA ZANDERI* (Graebn.) Rehd.

Col. No. 5427. Deciduous shrub to 15 feet high; leaves ovate, acuminate.

242386 to 242417—Continued

242391. *AZARA INTEGRIFOLIA* Ruiz & Pav. Flacourtiaceae.

Col. No. 5418. 'Variegata'. Evergreen shrub to 3 feet high; leaves ovate, 2 inches long, margins yellowish-pink.

242392. *CALATHEA FASCIATA* Regel & Koern. Marantaceae.

Col. No. 5426. Rhizomatous perennial to 3 feet high; leaves broadly elliptic, dark green above, transversely barred with silvery-white, uniformly grayish green below.

242393. *CALATHEA FLAVESCENS* Lindl.

Col. No. 5439. Rhizomatous perennial to 5 feet high; leaves long petiolate, the blade elliptic, flat, green; flowers yellow. (Plants.)

242394. *CALATHEA RUFIBARBA* Fenzl.

Col. No. 3442. Rhizomatous perennial to 24 inches high; leaf blade 12 inches long, crenulate, lustrous green above, hairy, reddish; flowers yellow with violet bracts. (Plants.)

242395. *CHUSQUEA CULEOU* E. Desv. Poaceae.

Bamboo.

Col. No. 5417. Rhizomatous perennial to 8 feet high; culm 1 inch in diameter, requires 2 years to mature; leaves linear, densely crowded at the nodes, with the aspect of a broom. (Plant.)

242396. *CRYPTOMERIA JAPONICA* (L. f.) D. Don Pinaceae.

Common cryptomeria.

Col. No. 5445. 'Spiralis'. Foliage spirally twisted; branches pendulous. (Plants.)

242397. *FRAGARIA* (hybrid).

Col. No. 5183. 'Sonjana'. Climbing strawberry; fruit on the stolons. Everbearing.

242398. *GARRYA* × *THURETII* Carr. Cornaceae.

Col. No. 5419. Evergreen shrub to 15 feet high; leaves elliptic, lustrous green above, dull green and pubescent below.

242399. *ORCHIDANTHA LONGIFLORA* (Scort.) Ridley Musaceae.

Col. No. 5440. Rhizomatous perennial; leaves all basal, spatulate, lustrous green. (Plants.)

242400. *MAGNOLIA GRANDIFLORA* L. Magnoliaceae.

Col. No. 5425. 'Lanceolate'. Leaves narrowly lanceolate.

242401. *MARATTIA FRAXINEA* J. E. Sm. Marattiaceae.

Col. No. 5416. Fronds leathery, pinnately divided, to 6 feet long from a large swollen base.

242402 and 242403. *OPHIOPOGON INTERMEDIUS* D. Don Liliaceae.

242402. Col. No. 5423. Fibrous-rooted perennial, densely tufted; leaves grasslike.

242403. Col. No. 5428. (Plants.)

242404. *PALISOTA ALBERTII* (L.) Gentil Commelinaceae.

Col. No. 5443. Robust rhizomatous perennial to 6 feet high; leaves nearly all basal, spatulate, serrate, bright green.

242405. *PALISOTA ELIZABETHAE* (L.) Gentil

Col. No. 5436. Rhizomatous perennial; leaves long spatulate, light green along midrib, darker green along the margin. (Plant.)

242406. *PALISOTA MACLAUDII* Cornu

Col. No. 5437. Rhizomatous perennial; stems to 4 feet high; leaves elliptic, semiwhorled at the nodes; petiole fimbriate, hairy.

242386 to 242417—Continued

242407. *PHOTINIA INTEGRIFOLIA* Lindl. Malaceae.

Col. No. 5435. Evergreen shrub; leaves elliptic to oblanceolate, acuminate, lustrous green above.

242408. *PIPTANTHUS LABURNIFOLIUS* (D. Don) Stapf Fabaceae.

Col. No. 5434. Evergreen shrub to 15 feet high; leaves trifoliate, deep green.

242409. *PLEIOSTACHYA* sp. Marantaceae.

Col. No. 5441. Rhizomatous perennial to 5 feet high; culms hairy; leaves reddish. (Plant.)

242410. *RESTIO SUBVERTICILLATUS* Masters Restionaceae.

Col. No. 5444. Stout rhizomatous perennial, forming dense clumps; culms to 6 feet high, bright green with reddish papery bracts at the nodes; inflorescence wandlike. (Plant.)

242411. *RHODODENDRON CRASSUM* Franch. Ericaceae.

Col. No. 5432. Evergreen shrub to 10 feet high; leaves to 5 inches long, rusty tomentose and lustrous green above, dull below; flowers white.

242412. *SALIX MOUPINENSIS* Franch. Salicaceae.

Col. No. 5438. Shrub; leaves elliptic, serrate, shiny green above, dull below; buds red, shiny.

242413. *SARGENTODXA CUNEATA* (Oliver) Rehd. & Wils. Lardizabalaceae.

Col. No. 5421. Woody vine to 25 feet long; leaves trifoliate; flowers unisexual bell shaped, greenish yellow.

242414. *SAURAUJA NAPAULENSIS* DC. Dilleniaceae.

Col. No. 5431. Tree to 20 feet high; much-branched; leaves oblanceolate or elliptic, serrate; flowers pink with a red eye.

242415. *SCROPHULARIA NODOSA* L. Scrophulariaceae.

Col. No. 5422. 'Variegata'. Perennial to 3 feet high; leaves ovate, serrate-dentate, with white margins.

242416. *TAPEINOCHEILOS PUNGENS* (Teysm. & Binn.) Miquel Zingiberaceae.

Col. No. 5400. Rhizomatous perennial to 5 feet high; leaves broadly elliptic; inflorescence basal, conelike with reddish, waxlike bracts. (Plants.)

242417. *TRIPTYGIUM FORRESTII* Loesn. Celastraceae.

Col. No. 5430. Much-branched shrub from the base; leaves ovate, serrate, long acuminate.

242418 and 242419. *CARTHAMUS TINCTORIUS* L. Asteraceae.

Safflower.

From Australia. Seeds presented by Commonwealth Scientific and Industrial Research Organization, Regional Pastoral Laboratory, Deniliquin, New South Wales. Received September 26, 1957.

242418. Nos. 54-337 and 54-344. Red flowered; spineless involucre.

242419. No. 55-618. Red flowered; spineless involucre.

242420 to 242426. *VOANDZEIA SUBTERRANEA* (L.) Thouars Fabaceae.

From France. Seeds presented by the Centre Technique d'Agriculture Tropicale, Nogent sur Marne. Received September 26, 1957.

242420. 'Kloglo Ble'.

242424. 'Yecouma Pie'.

242421. 'Kloglo Kokore'.

242425. 'Yecouma Piiti'.

242422. 'Kloglo Oufoue'.

242426. 'Yecouma Soua'.

242423. 'Yecouma Ouonte'.

242427. PENTAS sp. Rubiaceae.

From Ghana. Seeds presented by the University College, Achimota. Received September 26, 1957.

242428. TRITICUM (hybrid). Poaceae.

From Germany. Seeds presented by Bayerische Landersaatztuchtanstalt, Freising. Received October 1, 1957.

'M1'. Spring type; seed red. Susceptible to stem rust and resistant to mildew.

242429 to 242489.

From Scotland. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received September 27, 1957.

From Botanical Garden, Edinburgh. Cuttings unless otherwise noted.

242429. CORNUS HESSEI Koehn. Cornaceae.

Col. No. 5490. Dwarf deciduous shrub; leaves elliptic, reddish-purple above, glaucous beneath; flowers white. Probably of garden origin.

242430. GREVILLEA ROSMARINIFOLIA A. Cunn. Proteaceae.

Col. No. 5497. 'Wakehurst'. Much-branched evergreen shrub to 3 feet high; leaves linear; flowers coral red.

242431. ILEX CRENATA var. NUMMULARIA (Fr. & Sav.) Yatabe Aquifoliaceae. Holly.

Col. No. 5492. Evergreen shrub to 3 feet high; leaves nearly oval; berries black.

242432. LOBELIA FULGENS Willd. Campanulaceae. Mexican lobelia.

Col. No. 5500. 'Queen Victoria'. Rhizomatous perennial to 4 feet high; leaves reddish; flowers scarlet.

242433. MAGNOLIA (hybrid). Magnoliaceae.

Col. No. 5499. (*M. campbellii* × *M. mollicomata*). Deciduous tree; flowers to 10 inches in diameter, pink.

242434. REEVESIA PUBESCENS Mast. Sterculiaceae.

Col. No. 5473. Evergreen shrub to 10 feet high; leaves elliptic.

242435. RHODODENDRON (hybrid). Ericaceae.

Col. No. 5452. (*R. albens* × *R. ciliicalyx*). Extremely floriferous; flowers white to pinkish.

242436. RHODODENDRON ARAIOPHYLLUM Balf. f. & W. W. Smith.

Col. No. 5454. Evergreen shrub to 16 feet tall; flowers white, flushed rose or lavender, with a basal crimson blotch and crimson dots.

242437 and 242438. RHODODENDRON ARBOREUM J. E. Sm.

Tree rhododendron.

242437. Col. No. 5461. Flowers red.

242438. Col. No. 5476. 'Wallich'. Shrub to 20 feet high; flowers blood red.

242439. RHODODENDRON ARGYROPHYLLUM var. nankingense. Franch.

Col. No. 5494. Evergreen shrub to 6 feet high; leaves elliptic, lustrous green above, silvery tomentose below; flowers red.

242440. RHODODENDRON BUREAVII Franch.

Col. No. 5496. Evergreen shrub to 6 feet high; leaves rusty tomentose while young; flowers red.

242441. RHODODENDRON (hybrid).

Col. No. 5485. (*R. assamicum* × *R. burmanicum*). Leaves to 3 inches long; flowers white, spotted red.

242429 to 242489—Continued

242442. *RHODODENDRON CARNEUM* Hutch.

Col. No. 5448. Flowers dark pink.

242443. *RHODODENDRON CHRYSADORON* Tagg.

Col. No. 5453. 'Golden Gift'. Flowers yellow, red spotted.

242444. *RHODODENDRON CHRYPEUM* Balf. & Ward

Col. No. 5498. Evergreen shrub to 2 feet high; leaves to 1 inch long; flowers 2 inches across, yellow.

242445. *RHODODENDRON CILIICALYX* Franch.

Col. No. 5456. Evergreen shrub to 10 feet high; flowers pure white.

242446. *RHODODENDRON CONCATENANS* Hutch.

Col. No. 5501. Evergreen shrub to 4 feet high; leaves broadly ovate, glaucous above, white below; flowers red.

242447 to 242449. *RHODODENDRON CRASSUM* Franch.

242447. Col. No. 5447. Flowers white, fragrant.

242448. Col. No. 5448. Shrub to 8 feet high; flowers pure white, fragrant.

242449. Col. No. 5504. Evergreen shrub to 10 feet high; leaves oblanceolate or elliptic, lustrous above, glaucous and brown punctate below; flowers white.

242450. *RHODODENDRON CUBITII* Hutch.

Col. No. 5488. Shrub to 8 feet high; flowers rose.

242451. *RHODODENDRON DALHOUSIAE* Hook. f.

Col. No. 5483. Sprawly evergreen shrub to 10 feet high; flowers white fragrant.

242452. *RHODODENDRON DELAVAYI* Franch.

Col. No. 5462. Typical form.

242453. *RHODODENDRON DIAPREPES* Balf. & W. W. Sm.

Col. No. 5474. Shrub to 20 feet high; flowers white.

242454. *RHODODENDRON EDGORTHII* Hook. f.

Col. No. 5502. Evergreen shrub to 4 feet high; leaves lustrous green above, brownish tomentose below; flowers white, fragrant.

242455. *RHODODENDRON EXIMIUM* Nutt.

Col. No. 5446. Leaves extremely rufous.

242456 to 242460. *RHODODENDRON FACETUM* Balf. & Ward.

242456. Col. No. 5464. Flowers coral red.

242457. Col. No. 5449. Flowers coral red, waxy.

242458. Col. No. 5463. Flowers coral red.

242459. Col. No. 5467. Flowers coral red.

242460. Col. No. 5471. Shrub to 20 feet high; flowers coral red.

242461. *RHODODENDRON GRIERSONIANUM* Balf. & Forr.

Col. No. 5477. Shrub to 15 feet high; flowers orange-vermillion.

242462. *RHODODENDRON GRIFFITHIANUM* Wight.

Col. No. 5470. 'Roseum'. Shrub to 15 feet high; flowers 4 inches long, pinkish.

242463. *RHODODENDRON HARDINGII* Forr.

Col. No. 5450. Plant.

242429 to 242489—Continued

242464. *RHODODENDRON HODGSONII* Hook. f.

Col. No. 5506. Evergreen shrub to 20 feet high; leaves silvery-green above, rusty tomentose below; flowers purplish-crimson.

242465. *RHODODENDRON INSIGNE* Hemsl. & Wils.

Col. No. 5505. Evergreen shrub to 6 feet high; leaves elliptic, lustrous green above, silvery below; flowers red.

242466 and 242467. *RHODODENDRON ITEOPHYLLUM* Hutch.

242466. Col. No. 5469. Shrub to 4 feet high; flowers white.

242467. No. 5472.

242468. *RHODODENDRON JOHNSTONEANUM* (Brandis) Watt

Col. No. 5460. Evergreen shrub to 6 feet high; flowers white to yellow spotted, fragrant.

242469. *RHODODENDRON LINDLEYI* T. Moore

Col. No. 5457. Evergreen shrub often epiphytic in the wild; flowers white fragrant.

242470. *RHODODENDRON LOCHAE* F. Muell.

Col. No. 5466. Flowers scarlet, tubular; leaves leathery, glossy green above

242471. *RHODODENDRON LUKIANGENSE* Franch.

Col. No. 5463. Evergreen shrub.

242472. *RHODODENDRON MADDENII* Hook. f.

Col. No. 5481. Evergreen shrub to 8 feet high; flowers pure white, fragrant.

242473. *RHODODENDRON MANIPURENSE* Balf. & Watt

Col. No. 5484. Shrub to 8 feet high; flowers tinged pink.

242474. *RHODODENDRON MEGACALYX* Balf. f. & Ward

Col. No. 5475. Flowers to 5 inches long, pure white, fragrant.

242475. *RHODODENDRON MOUPINENSE* Franch.

Col. No. 5479. Evergreen shrub to 6 feet high; leaves lustrous above; flowers white, tinged pink.

242476. *RHODODENDRON* (hybrid).

Col. No. 5455. (*R. nuttallii* × *R. veitchianum*). Evergreen shrub; flowers white.

242477. *RHODODENDRON OLDHAMII* Maxim.

Col. No. 5487. Evergreen shrub to 4 feet high; leaves and stems brownish, hairy; flowers orange-red.

242478. *RHODODENDRON SCABRUM* Don

Col. No. 5458. Evergreen shrub to 6 feet high; flowers red.

242479. *RHODODENDRON SINONUTTALLII* Balf. f. & Forr.

Col. No. 5468. Sprawly shrub to 15 feet high; flowers white.

242480. *RHODODENDRON SUPRANUBIUM* Hutch.

Col. No. 5451. Evergreen shrub.

242481. *RHODODENDRON THOMSONII* Hook. f.

Col. No. 5503. Evergreen shrub to 20 feet high; leaves broadly ovate to suborbicular, leathery, lustrous above, silvery below; flowers bright coral red.

242482. *RHODODENDRON TAGGIANUM* Hutch.

Col. No. 5482. Flowers white.

242429 to 242489—Continued

242483. *RHODODENDRON VALENTINIANUM* FORR.

Col. No. 5495. Evergreen shrub to 3 feet high; leaves obovate, slightly serrate-ciliate; flowers white, borne in great profusion, fragrant.

242484. *RHODODENDRON VEITCHIANUM* Hook.

Col. No. 5486. Shrub or small tree; flowers pink.

242485. *RHODODENDRON* (hybrid).

Col. No. 5478. (*R. dalhousiae* × *R. nuttallii*). Shrub to 10 feet high; flowers white, fragrant.

242486. *RHODODENDRON ZEYLANICUM* Loud.

Col. No. 5459. Shrub to 20 feet high; flowers blood red.

242487. *SALIX CAPREA* L. Salicaceae.

Col. No. 5489. 'Pendula'. Large deciduous shrub; branches pendant; leaves elliptic, undulate.

242488. *SALIX FARGESII* Burkill.

Col. No. 5493. Deciduous shrub to 5 feet high; twigs and buds reddish, lustrous; leaves to 6 inches long, 3 inches wide, thickish, serrate, veins prominent.

242489. *VERBENA TRIDENS* Lagasca Verbenaceae.

Col. No. 5491. Evergreen shrub to 3 feet high; branches wiry, whitish; leaves very abbreviated.

242490 and 242491.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received September 30, 1957.

242490. *CITRUS GRANDIS* (L.) Osbeck Rutaceae.

Pummelo.

'Mato'.

242491. *RAPHANUS SATIVUS* L. Brassicaceae.

Radish.

'Mei-noon'.

242492 to 242494.

From Brazil. Seeds presented by the Servico de Experimentacao Zootechnica, Porto Alegre, Rio Grande do Sul. Received October 1, 1957.

242492. *STIZOLOBIMUM ATERRIMUM* Piper & Tracy Fabaceae.

Velvetbean.

'Mucuna Preta'.

242493. *STIZOLOBIMUM* sp.

'Mucuna Ana'.

242494. *STIZOLOBIMUM* sp.

'Mucuna Jaspeada'.

242495 to 242497. *SANGUISORBA OFFICINALIS* L. Rosaceae.

From Belgium. Seeds presented by the Centre de Cartographie Phytosociologique, Brussels. Received October 2, 1957.

Localities given are original sources.

242495. 'Champignolle'. France.

242496. 'Lahr-In-Brisgau'. Rhine Valley, Germany.

242497. 'Jalhay'. Province de Liege, Ardennes, Belgium.

242498 to 242515. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Italy. Seeds presented by the Istituto di Allevamento Vegetale per la Cerealicoltura, Bologna. Received October 3, 1957.

- | | |
|---------------------------------|-----------------------|
| 242498. 'Alessandro Vivenza'. | 242507. 'Ovest'. |
| 242499. 'Elia'. | 242508. 'Produttore'. |
| 242500. 'Falchetto'. I.B.O. 222 | 242509. 'Valdoria'. |
| 242501. 'Funone'. I.B.O. 1494 | 242510. I.B.O. 110. |
| 242502. 'Funotto'. I.B.O. 1535. | 242511. I.B.O. 763. |
| 242503. 'Generoso'. | 242512. I.B.O. 911. |
| 242504. 'Leonardo'. | 242513. I.B.O. 1364. |
| 242505. 'Leone'. | 242514. I.B.O. 1892. |
| 242506. 'Loro'. | 242515. R. 37. |

242516. CANARIUM INDICUM Stick. Burseraceae.**Kanari.**

From New Guinea. Seed presented by the Agricultural Extension Station, Sub-District, Bogia. Received October 4, 1957.

'Galip'.

242517 to 242544.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 3, 1957.

From Talbot Manor, Kings Lynn, Fincham, Norfolk, England. Received as plants unless otherwise noted.

242517. AGAPANTHUS ORIENTALIS Leighton Liliaceae.

Col. No. 5605. 'Trudy'. Flowers very dark blue, semi-pendulous.

242518 to 242525. BUXUS SEMPERVIRENS L. Buxaceae. Common box.

242518. Col. No. 5592. 'Aurea-Pendula'. Weeping boxwood; branches pendulous; leaves ovate to 1.25 inch long, deep green, yellowish variegated. (Cuttings.)

242519. Col. No. 5582. 'Rotundifolia'. Erect form; leaves to 1 inch long.

242520. Col. No. 5594. 'Rotundifolia Maculata'. Leaves mostly ovate to nearly round, some streaked with yellow.

242521. Col. No. 5591. 'Bullata'. Leaves broadly ovate to suborbicular, 1.25 inch long, deep green.

242522. Col. No. 5590. 'Myosotifolia'. Leaves elliptic, to 1.25 inch long.

242523. Col. No. 5593. 'Pendula'. Branches pendulous; leaves 0.75 inch long, mostly elliptic.

242524. Col. No. 5595. 'Prostrata'. Stiff-growing prostrate boxwood to 2 feet high; branches white, showing through the very dark green lustrous foliage.

242525. Col. No. 5598. 'Angustifolia'. Leaves to 1 inch long, mostly ovate, upper surface sometimes semirugose, dark green.

242526. CORNUS ALTERNIFOLIA L. f. Cornaceae.

Col. No. 5584. 'Argentea'. Shrub to 6 feet high; leaves streaked with white. (Cuttings.)

242527. CYNORCHIS UNCINATA H. Perr. Orchidaceae.

Col. No. 5616. Terrestrial.

242517 to 242544—Continued

242528 and 242529. *Ilex aquifolium* L. Aquifoliaceae. **English holly.**

242528. Col. No. 5599. 'Aurea Medio-Picta'. Golden Milkmaid Holly. Leaves mostly ovate, coarsely undulate-toothed, uniformly golden-yellow bordered, the body of the leaf lustrous green.

242529. Col. No. 5597. 'Hastata'. Plant dwarfish; leaves very thick, 3 to 5 spined, leaf appearing as if 3-lobed, the middle portion much extended and spine-tipped.

242530. *Ilex* × *altaclarensis* Dallim.

Col. No. 5580. 'Hendersonii'. Leaves mostly entire, occasionally vary short spine-toothed; berries red. (Pistillate.)

242531 and 242532. *Ilex aquifolium* L. **English holly.**

242531. Col. No. 5601. 'Argentea-Marginata Elegantissima'. Leaves to 3 inches long, mostly ovate, strongly undulate, spiny-toothed, margins variously silvery bordered. (Pistillate.)

242532. Col. No. 5589. 'Madam Briot'. Leaves ovate to 3 inches long, coarsely spiny, undulate-toothed, margins with a narrow yellowish-green band. (Staminate.)

242533. *Ilex* × *altaclarensis* Dallim.

Col. No. 5596. 'Camelliaefolia Aurea-Marginata'. Leaves yellowish-variegated, ovate, sparingly spine-toothed, flat, margins yellowish.

242534. *Kefersteinia tolimensis* Schltr. Orchidaceae.

Col. No. 5615. Epiphytic.

242535. *Mahonia toluacensis* Bean Berberidaceae.

Col. No. 5586. Evergreen shrub to 5 feet high; leaves spiny-toothed, leaflets elliptic. (Cuttings.)

242536. *Peperomia lyallii* C. DC. Piperaceae.

Col. No. 5617. Creeping, succulent perennial; leaves broadly ovate to orbicular, glaucous above, lighter below, the veins of the young leaves reddish. (Cuttings.)

242537. *Peperomia* sp.

Col. No. 5612. Creeping, succulent perennial; leaves broadly ovate to nearly orbicular, short hairy throughout. (Cuttings.)

242538. *Peperomia* sp.

Col. No. 5613. Wiry-stemmed, creeping perennial; leaves obovate to nearly orbicular, succulent with 3-parallel veins.

242539. *Ruta graveolens* L. Rutaceae. **Common rue.**

Col. No. 5607. 'Jackman'. Plant to 10 inches high; foliage blue.

252540. *Sambucus nigra* L. Caprifoliaceae. **European elder.**

Col. No. 5583. 'Albo-Variegata'. Deciduous shrub to eight feet high; leaves streaked with white.

242541. *Tapeinocheilos pungens* Miq. Zingiberaceae.

Col. No. 5604. Rhizomatous plant to five feet high; leaves broadly elliptic, inflorescence basal, conelike, terminal on a scape, bracts reddish.

242542. (Undetermined.)

Col. No. 5606. Rhizomatous perennial; leaves narrow, irislike; fruits blue.

242543 and 242544. *Medinilla sedifolia* Jummelle & Perrier Melastomataceae.

242543. Col. No. 5610. Epiphyte; stems delicate, creeping; leaves nearly orbicular, fleshy; flowers allegedly red.

242544. Col. No. 5614. Perennia⁴

242545 to 242616.

From Great Britain. Plants and cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 4, 1957.

From Talbot Manor, Kings Lynn, Fincham, Norfolk, England.

242545. *ADENIUM OBESUM* (Forsk.) Roem. & Schult. Apocynaceae.

Col. No. 5573. Fleshy stemmed shrub; leaves tufted at the ends of the branches; flowers pink.

242546. *BEGONIA AUGUSTAE* Irmscher Begoniaceae.

Col. No. 5558. Perennial; leaves bronze green above, lustrous, reddish below.

242547. *BEGONIA BARKERI* Knowl. & Weste.

Col. No. 5572. Rank growing perennial; stems erect, thickish, little branched; leaves peltate, oblique, shallowly dentate lobed, dull green.

242548. *BEGONIA CAROLINIAEFOLIA* Regal

Col. No. 5557. 'Riga Cross'. Perennial with an arborescent habit; stems to 3 inches thick, erect; leaves digitately divided into 7 leaflets.

242549. *BEGONIA CATHAYANA* Hemsl.

Col. No. 5542. Perennial, velvet-hairy throughout; leaves oblique, to 6 inches long, dark green above, veins red.

242550. *BEGONIA COOPERI* C. DC.

Col. No. 5511. Perennial to 2 feet high; leaves elm-shaped, strongly veined.

242551. *BEGONIA CONVULVULACEA* A. DC.

Col. No. 5571. Perennial to 14 inches high; stems erect; leaves semiorbicular or oblique, lustrous green above.

242552. *BEGONIA DAEDALEA* Lem.

Col. No. 5553. Rhizomatous perennial to 24 inches high; leaves strongly maculate, red and green ciliate.

242553. *BEGONIA DREGEI* Otto & Dietr.

Col. No. 5539. Perennial, semifurrowed and angled stems; leaves strongly oblique, sinuate-dentate, with a lustrous metallic sheen, dark green above, reddish below.

242554. *BEGONIA EPIPSILA* Brade

Col. No. 5579. Perennial to 14 inches high; leaves lustrous green above, reddish below with rusty indumentum.

242555. *BEGONIA FAGIFOLIA* Fisch.

Col. No. 5541. Perennial with creeping, semiscrambling stems; leaves ovate in outline, lustrous green above, uniformly scattered pubescent above and below, petioles and stems reddish.

242556. *BEGONIA GIGANTEA* Wall.

Col. No. 5567. Rhizomatous plant; stems robust to 24 inches high; leaves strongly oblique, acuminate, lustrous green above.

242557. *BEGONIA INFLATA* C. B. Clark

Col. No. 5555. Rhizomatous plant; stems succulent, erect, reddish; leaves oblique, deep green above.

242558. *BEGONIA* (hybrid).

Col. No. 5566. (*B. fuchsioides* × *B. nitida*). Perennial to 24 inches high; stems erect; leaves to 3 inches long, serrate and undulate, lustrous green above, scattered puberulent above and below; flowers pink.

242559. *BEGONIA* sp.

Col. No. 5562. 'Leminshi'. Climbing habit.

242545 to 242616—Continued

242560. *BEGONIA LUXURIANS* Scheidw.

Col. No. 5544. Perennial to 10 feet high; leaves digitately divided into about 8 distinct leaflets, scabrous above; petiole reddish, at least when young.

242561. *BEGONIA MALABARICA* Lam.

Col. No. 5547. Erect perennial; leaves oblique, serrate-dentate, scabrous, bright green above, veins reddish.

242562. *BEGONIA MANNII* Hook. f.

Col. No. 5510. Erect, fibrous perennial to 3 feet high; flowers coral-pink.

242563. *BEGONIA NATALENSIS* Hook.

Col. No. 5554. Much-branched perennial; leaves dentate, oblique, green above, reddish below; flowers white in profusion.

242564. *BEGONIA QUADRILOCULARIS* Blade

Col. No. 5546. Rhizomatous perennial to 30 inches high, robust; leaves serrate, scabrous dark green above, veins raised, lighter below.

242565. *BEGONIA RAJAH* Ridley

Col. No. 5533. Rhizomatous perennial; leaves to 8 inches long, blades oblique cordate; veins above green with purplish red patches, raised.

242566 and 242567. *BEGONIA RIGIDA* Regel

242566. Col. No. 5561. (No data.)

242567. Col. No. 5564. Rhizomatous perennial to 24 inches high; leaves to 5 inches long, lustrous green above, lighter below.

242568. *BEGONIA ROTUNDIFOLIA* Lam.

Col. No. 5523. Rhizomatous perennial; leaves to 8 inches long, blade orbicular-cordate, undulate, petioles reddish; flowers whitish-pink, rising above the leaves.

242569. *BEGONIA ROXBURGHII* DC.

Col. No. 5569. Rhizomatous plant; leaves rising from the base; petioles to 10 inches long, blades to 8 inches long, lustrous green above.

242570. *BEGONIA RUBRO-VENIA* Hook.

Col. No. 5565. Rhizomatous plant; stems erect, little branched above; leaves long-petiolate; blades silvery maculate, shield-shaped.

242571. *BEGONIA SERRATIPETALA* Irmscher

Col. No. 5560. Rhizomatous perennial; leaves to 4 inches long, undulate, crispate, deep bronze-green above, reddish below.

242572. *BEGONIA ULMIFOLIA* Willd.

Col. No. 5568. Rhizomatous plant; stems erect, little branched; leaves elm-shaped, lustrous green above.

242573. *BEGONIA PHYLLOMANIACA* Mart.

Col. No. 5551. Perennial to 30 inches high; leaves grapelike in shape, hairy, with leaflets along the main veins.

242574. *BEGONIA* sp.

Col. No. 5559. Rhizomatous perennial to 14 inches high; leaves to 3 inches long, serrate, glaucous above; petioles reddish.

242575. *BEGONIA* sp.

Col. No. 5570. Rhizomatous perennial to 16 inches high; stems bronzelike; leaves to 3 inches long, veins strongly impressed; flowers pinkish.

242576. *BEGONIA* sp.

Col. No. 5556. Rhizomatous plant; leaves to 10 inches long, petiole longer than the blade, blade deep green, hairy above, velvety-red below.

242545 to 242616—Continued**242577. BEGONIA sp.**

Col. No. 5513. Rhizomatous perennial to 4 inches high; leaves deep lustrous green, reddish at the petiole.

242578. BEGONIA sp.

Col. No. 5550. Robust, rhizomatous perennial; leaves to 12 inches long, oblique, lustrous dark green above.

242579. BEGONIA sp.

(No data.)

242580. BEGONIA sp

Col. No. 5540. 'C.P. Raffill'. Perennial; leaves very oblique, sinuate-dentate, silvery in patches between the veins, green along the veins, uniformly red below.

242581. BEGONIA FERNANDO-COSTAE Irmscher

Col. No. 5563. Rhizomatous plant; leaves velvety-red below, bronze-green, hairy above; flowers white, on scapes, peduncles reddish.

242582. BEGONIA sp.

Col. No. 5576. 'Fireflush'. Rhizomatous plant; leaves to 18 inches long, petioles reddish pubescent, blades oblique, dentate, margin bronze-green towards the periphery; flowers pink.

242583. BEGONIA sp.

Col. No. 5552. 'Ripple Rosea'. Little-branched, erect perennial; leaves oblique, bright green, lustrous above; flowers deep pink, terminal.

242584. BERBERIS VALDIVIANA Phil. Berberidaceae. Barberry.

Col. No. 5577. Spiny evergreen shrub to 6 feet high; leaves elliptic, lustrous green above, mostly entire.

242585. COSTUS MALORTIEANUS H. Wendl. Zingiberaceae.

Col. No. 5575. Rhizomatous perennial; stems to 3 feet high; leaves broadly ovate, pubescent above; flowers yellow, lip marked red.

242586. COSTUS MOSIACUS Bull.

Col. No. 5545. Rhizomatous perennial; leaves sessile, elliptic, semitranslucent, succulent, midrib prominent.

242587. DIANDROLYRA BICOLOR Stapf Poaceae.

Col. No. 5509. Short rhizomatous perennial; blades to 5 inches long, purplish.

242588. DRIMOPSIS KIRKII Baker Liliaceae.

Col. No. 5528. Bulbous perennial; leaves to 8 inches long, strap-shaped, strongly maculate.

242589. EPIPHYLLUM sp.

Col. No. 5516. Stems flat to 3 inches; flowers white, tubular to 5 inches long.

242590. EPISCIA LILICINA Hanst. Gesneriaceae.

Col. No. 5537. Rhizomatous perennial; rootstalks creeping, rooting at the nodes; leaves broadly ovate to 3 inches long, evenly serrate-dentate, deep green above, semirugose, uniformly short pubescent above and below; flowers lavender, petals fringed.

242591. EPISCIA PUNCTATA Hanst.

Col. No. 5536. Rhizomatous perennial; stoloniferous and rooting at the nodes; leaves semitufted at the tips of the branches, ovate to elliptic, serrate.

242592. ERANTHEMUM CINNABARINUM Wall. Acanthaceae.

Col. No. 5524. Perennial to 12 inches high; flowers orange-red.

242545 to 242616—Continued**242593. ERANTHEMUM WATTH Stapf**

Col. No. 5515. Perennial, to 2 feet high; flowers deep lavender-violet.

242594. HIBISCUS ACETOSELLA Welw. Malvaceae.

Col. No. 5549. Shrub; leaves bronze-red to maroon-red, petiolate, blade deeply lobed and dentate; flowers deep pink.

242595. HOYA AFFINIS var. SOLANIFLORA Schlechter Asclepiadaceae.

Col. No. 5529. Perennial vine; leaves lanceolate, acuminate, dark green.

242596. HOYA ANGUSTIFOLIA Traill

Col. No. 5522. Scrambling, succulent perennial; leaves linear, grooved, to 4 inches long.

242597 and 242598. HOYA IMPERIALIS Lindl.

242597. Col. No. 5514. Scrambling succulent perennial; leaves broadly elliptic, acuminate, dull green above, glabrous, tomentose below.

242598. Col. No. 5535.

242599. HOYA RIDLEYI King & Gamble

Col. No. 5531. Scrambling perennial; leaves broadly ovate, veins strongly marked, reddish.

242600. HOYA LONGIFOLIA Wall.

Col. No. 5530. Scrambling perennial; leaves broadly elliptic, furrowed above, bright green.

242601. ILEX × ALTA CLARENSIS Dallim. Aquifoliaceae.

Col. No. 5578. 'Laevigata Polycarpa'. Large evergreen shrub; leaves mostly entire, sometimes spine-tipped; berries red.

242602. IMPATIENS REPENS Moon Impatiensaceae.

Col. No. 5538. Perennial stems reddish green, creeping, succulent; flowers bright yellow.

242603. MEDINILLA SEDIFOLIA Jummelle & Perrier Melastomataceae.

Col. No. 5521. Epiphytic, succulent, creeping perennial; leaves orbicular; flowers red.

242604. KOHLERIA LINDENIANA (Regel) H. E. Moore Gesneriaceae.

Col. No. 5534. Rhizomatous perennial; stems semicreeping, rooting at the nodes; leaves broadly ovate, veins deep green, purplish-red between, soft pubescent; flowers white with a lavender eye.

242605. LEEA AMABILIS Veitch Vitaceae.

Col. No. 5548. Shrub; leaves elliptic, toothed, bronze-green above when young, white stripe down the midvein, reddish below.

242606. MARCGRAVIA UMBELLATA L. Marcgraviaceae.

Col. No. 5574. Creeping perennial, rooting at the nodes; juvenile leaves emarginate, serrate, sessile, ovate, green above.

242607. NAUTILICALYX LYNCHII (Hook. f.) Sprague Gesneriaceae.

Col. No. 5543. Perennial; stems thick, semisucculent; leaves to 8 inches long, spatulate, serrate, lustrous green above, purplish-red below.

242608. CHLOROPHYTUM BICHETII (S. Karrer) Backer Liliaceae.

Col. No. 5587. Tuberous rooted, densely tufted perennial to 6 inches high; leaves grasslike, white-streaked.

242609. PELARGONIUM SAXIFRAGOIDES N. E. Br. Geraniaceae.

Col. No. 5518. Trailing perennial with weak, succulent stems; leaves deeply 4-5 dentate.

242545 to 242616—Continued**242610.** *PELARGONIUM* sp.

Col. No. 5527. 'Happy Thought'. Leaves crispate, undulate, middle portion white, periphery green.

242611. *PELARGONIUM* sp.

Col. No. 5512. 'Double Rose-Flowered'. Flowers roselike in appearance, dark-red.

242612. *PEPEROMIA BRACHYTRICHA* Baker Piperaceae.

Col. No. 5519. Creeping epiphyte to 6 inches high, rooting at the nodes; leaves obovate, succulent, to 1 inch in diameter.

242613. *PEPEROMIA MADAGASCARIENSIS* DC.

Col. No. 5525. Creeping epiphyte, rooting at the nodes; leaves fleshy, uniformly puberulent, green above, purplish-red below.

242614. *PEPEROMIA ROTUNDIFOLIA* Schlecht. & Cham.

Col. No. 5520. Creeping epiphyte, rooting at the nodes; leaves to 1 inch long.

242615. *RUELLIA MACRANTHA* Mart. Acanthaceae.

Col. No. 5526. Perennial to 6 feet high; leaves green above, covered by raphides below; flowers fuchsia-pink.

242616. *BURBIDGEA SCHIZOCHEILA* W. Hackett Zingiberaceae.

Col. No. 5532. Rhizomatous perennial; leaves dark green, lustrous.

242617 to 242623. *SACCHARUM* (hybrid). Poaceae. **Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Industry, Brisbane, Queensland. Received October 4, 1957.

242617. I 102.

242621. Q 63.

242618. K 696.

242622. Q 67.

242619. Q 61.

242623. Q 70.

242620. Q 62.

242624 to 242626. *SACCHARUM* (hybrid). Poaceae. **Sugarcane.**

From Fiji. Cuttings presented by the Colonial Sugar Refining Co., Ltd., Lautoka. Received October 4, 1957.

242624. 55 R. 8062.

242626. 55 R. 8070.

242625. 55 R. 8063.

242627 to 242635.

From Portugal. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 7, 1957.

From Portugal, unless otherwise indicated.

242627. *BRUNFELSIA CALYCINA* Benth Solanaceae.

Col. No. 5164. Quinta da Meio, Entre Quintas, Oporto. Evergreen tree to 20 feet high; flowers opening deep blue-violet, changing to nearly white.

242628. *CYTISUS BATTANDIERI* Marie Fabaceae.

Broom.

Col. No. 5169. Arboretum, Vilmorin-Andrieux et Cie, Verrieres-le-Buisson, southwest Paris, France.

242629 *SAROTHAMNUS WELWITSCHII* Bois & Reut. Fabaceae.

Col. No. 5161. Open dry rocky granite slopes, Guarda. Much-branched shrub to 8 feet high; flowers yellow, pods villous.

242627 to 242635—Continued**242630.** *DIGITALIS THAPSI* L. Scrophulariaceae.

Col. No. 5160. East of Guarda. Perennial to 18 inches high; leaves somewhat hairy.

242631. *GENISTA AETHNENSIS* (Bivona) DC. Fabaceae. **Aetna broom.**

Col. No. 5163. Nursery of Grandes Roseraies du Val de Loire, Orleans. Much-branched shrub to 8 feet high; stems green, almost leafless; flowers golden yellow.

242632. *GENISTA PILOSA* L. **Silkyleaf broom.**

Col. No. 5190. Nursery of T. R. Hayes, Garden Craftsmen, Ambleside, Westmoreland, England. Prostrate shrub; flowers yellow.

242633. *GENISTA LUSITANICA* L.

Col. No. 5162. Open dry rocky granite slopes, Guardo. Dense compact bush; stems glaucous; flowers golden yellow.

242634. *CISTUS MONSPELIENSIS* L. **Montpelier rockrose.**

Col. No. 5159. Open-pine forest near Viseu. Shrub to 2 feet high, much-branched, spreading.

242635. *VIBURNUM JAPONICUM* (Thunb.) Spreng. Caprifoliaceae.

Col. No. 5136. Woodland, Quinta da Meio, Entre, Quintas, Oporto. Evergreen shrub to 8 feet high; leaves lustrous above; flowers white.

242636 to 242657.

From Japan. Seeds presented by the Kasukabe Experiment Station, Kasukabe, Saitama Prefecture. Received October 7, 1957.

242636. *ACALYPHA AUSTRALIS* L. Euphorbiaceae.**242637.** *AMBLYGONUM PILOSUM* Nakai Polygonaceae.**242638.** *AMMI VISNAGA* (L.) Lam. Apiaceae.**242639.** *ANGELICA ACUTILOBA* (Sieb. & Zucc.) Kitag. Apiaceae.**242640.** *ANGELICA DAHURICA* (Fisch.) Benth. & Hook. f.**242641.** *CHAMAESYCE HUMIFUSA* Prokhanov Euphorbiaceae.**242642.** *CRYPTOTAENIA JAPONICA* Hassk. Apiaceae.**242643.** *DAPHNIPHYLLUM MACROPODUM* Miquel Euphorbiaceae.**242644.** *GLAUCIUM FLAVUM* Crantz Papaveraceae. **Yellow hornpoppy.****242645.** *HIBISCUS HAMABO* Sieb. & Zucc. Malvaceae.**242646.** *MOSLA PERFORATA* Koidz. Menthaceae.**242647.** *PHYTOLACCA ACINOSA* Roxb. Phytolaccaceae. **Pokeberry.****242648.** *PLANTAGO MAJOR* L. Plantaginaceae.**242649.** *PLANTAGO LANCEOLATA* L.**242650.** *PLANTAGO MARITIMA* L.**242651.** *SALVIA SCLAREA* L. Menthaceae. **Common clary****242652.** *SALVIA VERTICILLATA* L.**242653.** *VERONICA ARVENSIS* L. Scrophulariaceae.**242654.** *VERONICA OFFICINALIS* L.**242655.** *VERONICA VIRGINICA* L.**242656.** (Undetermined.) Apiaceae.**242657.** (Undetermined.)

242658. STIZOLOBIUM sp. Fabaceae.

From Colombia. Seeds presented by R. Hendrickson, Barranquilla. Received October 7, 1957.

242659 and 242660.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received October 7, 1957.

242659. LUPINUS ALBUS L. Fabaceae.

White lupine.

242660. LUPINUS ANGUSTIFOLIUS L.

Blue lupine.

242661 to 242789.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 7, 1957.

From Talbot Manor, Kings Lynn, Fincham, Norfolk, England, unless otherwise noted. Received as plants unless otherwise noted.

242661 to 242669. Cambridge Botanic Garden, Cambridge, England.

242661. AGAVE PARRYI Engelm. Amaryllidaceae.

Col. No. 5643. Plant trunkless; leaves glaucous, prickly-margined; flowers creamy-yellow.

242662. BEGONIA CRISPULA Brade Begoniaceae.

Col. No. 5638. Plant dwarfish; leaves nearly orbicular. (Cuttings.)

242663. BERBERIS × BRISTOLENSIS Ahrend Berberidaceae. Barberry.

Col. No. 5600. (Probably *B. calliantha* × *B. verruculosa*). Evergreen shrub to 4 feet high; leaves mostly ovate, lustrous green above, glaucous below, undulate.

242664. CHIRITA SINENSIS Lindl. Gesneriaceae.

Col. No. 5637. Perennial; leaves elliptic, green-maculate and silvery; flowers lilac. (Cuttings.)

242665. CYANASTRUM CORDIFOLIUM Oliv. Pontederiaceae.

Col. No. 5639. Originally from West Africa. Perennial from a tuberous-like base; leaves basal, dioscorea-like; flowers blue.

242666. CYTISUS PURPUREUS Scop. Fabaceae.

Broom.

Col. No. 5631. Deciduous shrub to 2 feet high; leaves trifoliate, very deep green; flowers purple.

242667. ERANTHEMUM WATTII Stapf Acanthaceae.

Col. No. 5641. Perennial to 18 inches high; flowers dark purple. (Cuttings.)

242668. EUPATORIUM SORDIDUM Less. Asteraceae.

Col. No. 5642. Rank-growing shrub to 6 feet high; young leaves bronze-green, petioles reddish; leaves to 8 inches long; flowers violet. (Cuttings.)

242669. HIBBERTIA DENTATA R. Br. Dilleniaceae.

Col. No. 5634. Climbing evergreen perennial; leaves elliptic, bronze-green; flowers bright yellow. (Cuttings.)

242670. ILEX AQUIFOLIUM L. Aquifoliaceae.

Col. No. 5588. 'Ovata'. Leaves mostly flat, elliptic, coarsely toothed, deep green above. (Cuttings.) (Staminate.)

242671 and 242672. ILEX × ALTA CLARENSIS Dallim.

242671. Col. No. 5581. 'Pyramidalis'. Leaves predominantly coarse spiny undulate-toothed, sometimes nearly entire, lustrous above; a good berried type. (Cuttings.) (Pistillate.)

242661 to 242789—Continued**242671 to 242672—Continued**

242672. Col. No. 5587. 'Pyramidalis Aurea'. Branches ascending; leave. elliptic to oblanceolate, mostly entire, yellow margin; fruits a good reds (Cuttings.) (Pistillate.)

242673. ILEX AQUIFOLIUM L.**English holly.**

Col. No. 5585. 'Argentea-Regina'. Silver Queen holly. Leaves broadly ovate, coarsely spine-toothed, flat to undulate, yellow band. (Cuttings.) (Staminate.)

242674. ILEX INTEGRA Thunb**Holly.**

Col. No. 5633. Cambridge Botanic Garden, Cambridge. Small evergreen tree or large shrub; leaves to 4 inches long; fruit bright red. (Cuttings.)

242675. ILEX × ALTA CLARENSIS Dallim.

Col. No. 5602. 'Nigrescens'. Leaves broadly ovate, flat entire, dark green above, dull yellowish green below; berries dark red. (Cuttings.)

242676 to 242678. Cambridge Botanic Garden, Cambridge.

242676. IRIS (hybrid). Iridaceae.

Col. No. 5629. (*I. japonica* × *I. wattii*).

242677. JABOROSA INTEGRIFOLIA Lam. Solanaceae.

Col. No. 5634. Rhizomatous perennial; leaves basal; flowers white.

242678. LOBELIA ERINUS L. Campanulaceae.

Col. No. 5636. 'Kath Mallard'. Flowers double, pale blue. (Cuttings.)

242679. SANSEVIERIA METALLICA Ger. & Labr. Liliaceae.

Col. No. 5603. Stout rhizomatous perennial; leaves undulate; flowers long-tubular, white.

242680 and 242681. Cambridge Botanic Garden, Cambridge.

242680. SEQUOIA SEMPERVIRENS (Lamb.) Endl. Pinaceae.

Col. No. 5632. 'Cantab'. A sport of the normal form with much denser foliage, prostrate habit.

242681. THUNBERGIA ERECTA (Benth.) T. Anders. Acanthaceae.

Clockvine.

Col. No. 5640. Erect shrub to 6 feet high; flowers deep blue. (Cuttings.)

242682. (Undetermined.)

Col. No. 5630. Originally from New Guinea. Shrub. (Cuttings.)

242683. (Undetermined.) Zingiberaceae.

Col. No. 5683. Originally from New Guinea. Rhizomatous perennial.

242684 to 242789. Epiphytes.

242684 to 242696. Originally from Madagascar.

242684. AERANGIS MODESTA (Hook. f.) Schlecht. Orchidaceae.

Col. No. 5671.

242685. AERANTHES RAMOSA Rolfe Orchidaceae.

Col. No. 5682.

242686 and 242687. ANGRAECUM CALCEOLUS Thou. Orchidaceae.

242686. Col. No. 5658.

242687. Col. No. 5712. Flowers stay open for several weeks.

242688. ANGRAECUM COMPACTUM Schlecht.

Col. No. 5680.

242661 to 242789—Continued**242684 to 242789—Continued****242684 to 242696—Continued**

242689. *ANGRAECUM FILICORNU* Thou.

Col. No. 5618. (Cuttings.)

242690. *ANGRAECUM HUMBLOTII* Reichb. f.

Col. No. 5728.

242691. *ANGRAECUM OBESUM* H. Perr.

Col. No. 5717.

242692. *CIRRHOPE TALUM UMBELLATUM* (Forst. f.) Frapp. Orchidaceae.

Col. No. 5730.

242693 to 242696. *BULBOPHYLLUM AURIFLORUM* H. Perr. Orchidaceae

242693. Col. No. 5625.

242695. Col. No. 5707.

242694. Col. No. 5670.

242696. Col. No. 5719.

242697 to 242701. Originally New Guinea.

242697. *BULBOPHYLLUM DENDROCHILOIDES* Schlecht.

Col. No. 5704.

242698. *BULBOPHYLLUM HARBOPUS* Schlecht.

Col. No. 5644.

242699. *BULBOPHYLLUM LEUCOTHYRSUS* Schlecht.

Col. No. 5692.

242700. *BULBOPHYLLUM MINUTIPETALUM* Schlecht.

Col. No. 5693.

242701. *BULBOPHYLLUM MONOSEPALUM* Rodrig.

Col. No. 5722.

242702 to 242706. Originally from Madagascar.

242702 to 242704. *BULBOPHYLLUM MULTIFLORUM* Ridley.

242702. Col. No. 5675.

242704. Col. No. 5711.

242703. Col. No. 5708.

242705. *BULBOPHYLLUM OCCLUSUM* Ridley

Col. No. 5679.

242706. *BULBOPHYLLUM SERRATUM* H. Perr.

Col. No. 5709.

242707 to 242712. Originally from New Guinea.

242707 and 242708. *BULBOPHYLLUM SPARSIFOLIUM* Schlecht.

242707. Col. No. 5668.

242708. Col. No. 5703.

242709. *BULBOPHYLLUM UROSEPALUM* Schlecht.

Col. No. 5645.

242710. *BULBOPHYLLUM* sp.

Col. No. 5660.

242711. *BULBOPHYLLUM* sp.

Col. No. 5721.

242661 to 242789—Continued**242684 to 242789—Continued****242707 to 242712—Continued**

242712. *CADETIA CHIONANTHA* (Schlect.) Schlecht. Orchidaceae.

Col. No. 5609.

242713. *CIRRHOPELALUM UMBELLATUM* (Forst. f.) Frapp Orchidaceae.

Col. No. 5725. Madagascar.

242714 to 242735. Originally from New Guinea.

242714. *CERATOSTYLIS PLATYCHILA* Schlecht. Orchidaceae.

Col. No. 5611. Stems equisetum-like; flowers minute.

242715. *COELOGYNE FRAGRANS* Schlecht. Orchidaceae.

Col. No. 5654.

242716 and 242717. *DENDROCHILUM BARTONII* (Ridley) Schlecht Orchidaceae.

242716. Col. No. 5647.

242717. Col. No. 5687.

242718 and 242719. *DENDROBIUM CHRYSOTROPIS* Schlecht.

242718. Col. No. 5624.

242719. Col. No. 5648.

242720 to 242723. *DENDROBIUM CYANACENTRUM* Schlecht.

242720. Col. No. 5620.

242722. Col. No. 5647.

242721. Col. No. 5659.

242723. Col. No. 5698.

242724. *DENDROBIUM DICHROMA* Schlecht.

Col. No. 5714.

242725. *DENDROBIUM* sp.

Col. No. 5686.

242726. *DENDROBIUM FLAMMULA* Schlecht.

Col. No. 5690.

242727 and 242728. *DENDROBIUM LEUCORHODUM* Schlecht.

242727. Col. No. 5691.

242728. Col. No. 5695.

242729. *DENDROBIUM* sp.

Col. No. 5619.

242730. *DENDROBIUM CHRYSOTROPIS* Schlecht.

Col. No. 5619.

242731 and 242732. *DENDROBIUM* sp.

242731. Col. No. 5623.

242732. Col. No. 5720.

242733. *DENDROCHILUM BARTONII* (Ridley) Schlecht. Orchidaceae.

Col. No. 5684.

242734. *DIPLOCAULOBium FARINIFERUM* (Schlecht.) Carr. Orchidaceae.

Col. No. 5726.

242735. *DIPLOCAULOBium MISCHOBULBUM* (Schltr.) A. D. Hawles.

Col. No. 5661.

242661 to 242789—Continued**242684 to 242789—Continued**

242736. *DISCHIDIA BENGALENSIS* Colebr. Asclepiadaceae.

Col. No. 5608. Originally from India to Malaya. Perennial; leaves succulent, oblong-lanceolate, flat; flowers inconspicuous. (Cuttings.)

242737. *DORITIS PULCHERRIMA* Lindl. Orchidaceae.

Col. No. 5678. Originally from Eastern India.

242738 and 242739. *EPIBLASTUS AURICULATUS* Schlecht. Orchidaceae.

242738. Col. No. 5697.

242739. Col. No. 5701.

242740. *EPIBLASTUS ORNITHIDIODES* Schlecht.

Col. No. 5699. Originally from New Guinea.

242741. *ERIA* sp. Orchidaceae.

Col. No. 5731. Originally from New Guinea.

242742. *EULOPHIA RAMOSA* Ridl.

Col. No. 5681. Originally from Madagascar.

242743. *GLOSSORHYNCHA DISCHARENSIS* Schlecht. Orchidaceae.

Col. No. 5659. Originally from New Guinea.

242744. *GUSSONIA* sp. Orchidaceae.

Col. No. 5715. Originally from Tanganyika.

242745. *JUMELLEA BATHIEI* Schlecht. Orchidaceae.

Col. No. 5653. Originally from Madagascar.

242746 and 242747. *JUMELLEA GRACILIPES* Schlecht.

Originally from Madagascar.

242746. Col. No. 5676.

242747. Col. No. 5688.

242748. *LIPARIS CONFUSA* J. E. Sm. Orchidaceae.

Col. No. 5713. Originally from New Guinea. Flowers white, spicate.

242749. *LIPARIS* sp.

Col. No. 5729. Originally from Madagascar.

242750 to 242754. Originally from New Guinea.

242750. *MEDIOCALCAR MONTICOLA* Schlecht. Orchidaceae.

Col. No. 5689.

242751. *MEDIOCALCAR ERECTUM* Schlecht.

Col. No. 5621.

242752 and 242753. *MEDIOCALCAR UNIFLORUM* Schlecht.

242752. Col. No. 5624 (a.) 'Orientalis'.

242753. Col. No. 5733.

242754. *OBERONIA FALCIFOLIA* Schlecht. Orchidaceae.

Col. No. 5649.

242755 to 242759. Originally from Madagascar.

242755 to 242757. (Undetermined.)

242755. Col. No. 5667.

242756. Col. No. 5694.

242757. Col. No. 5706.

242661 to 242789—Continued**242684 to 242789—Continued****242755 to 242759—Continued****242758 and 242759.** *POLYSTACHYA CULTRIFORMIS* Lindl. Orchidaceae.**242758.** Col. No. 5673.**242759.** Col. No. 5700.**242760.** *TRICHOCEROS* sp.

Col. No. 5663. Originally from Costa Rica.

242761. *TRIDACTYLE BICAUDATA* Schlecht. Orchidaceae.

Col. No. 5655. (Cuttings.) Originally from Tanganyika.

242762. *DENDROBIUM* sp. Orchidaceae.

Col. No. 5622. Originally from New Guinea.

242763. *ANGRAECUM* sp. Orchidaceae.

Col. No. 5626. Originally from New Guinea.

242764. (Undetermined.)

Col. No. 5627. Originally from Madagascar.

242765. *ANGRAECUM* sp. Orchidaceae.

Col. No. 5628. Originally from New Guinea.

242766. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5646. Originally from New Guinea.

242767. (Undetermined.)

Col. No. 5651. Originally from New Guinea.

242768. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5652. Originally from Madagascar.

242769. *PLATYCLINIS* sp. Orchidaceae.

Col. No. 5656. Originally from New Guinea.

242770. *MAXILLARIA* sp. Orchidaceae.

Col. No. 5662. Originally from New Guinea.

242771. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5665. Originally from New Guinea.

242772 to 242789. Originally from Madagascar, unless otherwise noted.**242772.** (Undetermined.) Orchidaceae.

Col. No. 5666.

242773. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5669.

242774. (Undetermined.) Orchidaceae.

Col. No. 5672.

242775. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5674.

242776. (Undetermined.) Orchidaceae.

Col. No. 5677.

242777. *COELOGYNE* sp. Orchidaceae.

Col. No. 5679.

242661 to 242789—Continued**242684 to 242789—Continued****242772 to 242789—Continued**

242778. *ANSELLIA GIGANTEA* var. *NILOTICA* (Bak.) Summerh. Orchidaceae.

Col. No. 5685. Originally from Tanganyika.

242779. (Undetermined.) Orchidaceae.

Col. No. 5696.

242780. *COELOGYNE* sp. Orchidaceae.

Col. No. 5702.

242781 and 242782. *CIRRHOPELALUM* sp. Orchidaceae.

242781. Col. No. 5705.

242782. Col. No. 5710.

242783. *AERANTHES* sp. Orchidaceae.

Col. No. 5716.

242784. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5718.

242785. (Undetermined.) Orchidaceae.

Col. No. 5723.

242786. *BULBOPHYLLUM* sp. Orchidaceae.

Col. No. 5724.

242787. (Undetermined.) Orchidaceae.

Col. No. 5727. Terrestrial.

242788 and 242789. *BULBOPHYLLUM* sp. Orchidaceae.

242788. Col. No. 5732.

242789. Col. No. 5734.

242790 and 242791. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Indonesia. Tubers presented by the Department of Agricultural Research, Institute for Plant Diseases, Bogor. Received October 8, 1957.

242790. 'Djawa'.

242791. 'Wulung'.

242792. *LATHYRUS CLYMENU* L. Fabaceae.

From South Australia. Seeds presented by the Director of the Botanic Garden, Adelaide. Received October 9, 1957.

242793 to 242795.

From Ethiopia. Presented by the United States Operations Mission to Ethiopia Addis Ababa. Received October 9, 1957.

242793. *CATHA EDULIS* Forsk. Celastraceae.

Kat.

(Cuttings.)

242794 and 242795. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

242794. B-10 (Seed.)

242795. BE-11 (Seed.)

242796. *CHIMONORAMBUSA QUADRANGULARIS* (Fenzl) Makino Poaceae.

From China. Plants presented by the National Taiwan University College of Agriculture, Taipai, Taiwan. Received October 9, 1957.

242797. NARCISSUS PSEUDONARCISSUS L. Amaryllidaceae.

From Portugal. Bulbs collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 1, 1957.

Col. No. 5253. 'Early Maximus'. Garden of Entre Quintas, Oporto. Early flowering; trumpets deep yellow; scapes robust.

242798. STIPA TENACISSIMA Jusl. Poaceae. Esparto needlegrass.

From Tunisia. Plants presented by the Service Botanique, Ariana. Received October 9, 1957.

242799 and 242800. DACTYLIS GLOMERATA L. Poaceae.

Orchardgrass.

From Israel. Seeds presented by the Agricultural Research Station, Neve-Yaar. Received October 10, 1957.

242799. $2n=14$. Judean Mountains.

242800. $2n=28$. Wild. Southern Coastal Plain, road to Dorot.

242801 to 242810. ORYZA SATIVA L. Poaceae.

Rice.

From Bolivia. Seeds presented by the Ministerio de Agricultura, Servicio Agrícola Interamericano, La Paz. Received October 10, 1957.

242801. 'Aguja'.

242806. 'Noventa Dias Colorado'.

242802. 'Cola de Burro'.

242807. 'Palo Morado'.

242803. 'Mojito'.

242808. 'Petacon'.

242804. 'Mojito Colorado'.

242809. 'Pico de Pato'.

242805. 'Noventa Dias Blanco'.

242810. 'Sin Cuero'.

242811 to 242839.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 10, 1957.

From the Royal Botanic Gardens, Kew, Surrey, England.

242811. ILEX AQUIFOLIUM L. Aquifoliaceae.

Col. No. 5737. 'Argentea Marginata'. Evergreen shrub to 20 feet high; leaves ovate, strongly spiny-toothed, margins yellow. (Pistillate.)

242812. ILEX $\times$ ALTACLAARENSIS Dallim.

Col. No. 5756. 'Atkinsonii'. Leaves broadly ovate, regularly spiny-toothed, mostly flat. (Staminate.)

242813 to 242816. ILEX AQUIFOLIUM L.

English holly.

242813. Col. No. 5741. 'Aurifolium'. Leaves acuminate, coarsely spiny-toothed, somewhat undulate to nearly flat, margins suffused yellowish. (Pistillate.)

242814. Col. No. 5750. 'Ciliata Major'. Leaves variously undulate, rarely flat, lustrous green throughout; twigs purplish. (Pistillate.)

242815. Col. No. 5760. 'Cookii'. Leaves ovate, coarsely spiny-toothed, flat to undulate, margins suffused yellowish green. (Pistillate.)

242816. Col. No. 5743. 'Crispa Aureo-Picta'. Leaves ovate, strongly twisted, sparsely undulate, lustrous green and blotched yellow to greenish yellow above. (Staminate.)

242817. ILEX $\times$ ALTACLAARENSIS Dallim.

Col. No. 5753. 'Donningtonensis'. Leaves mostly elliptic, sometimes entire or coarsely spiny-toothed, lustrous green above; stems purplish. (Staminate.)

242811 to 242839—Continued**242818. ILEX AQUIFOLIUM L.****English holly.**

Col. No. 5740. 'Flavescens'. Leaves ovate to elliptic, undulate, suffused yellow towards the leaf tips. (Pistillate.)

242819. ILEX $\times$ ALTAACLARENSIS Dallim.

Col. No. 5751. 'Golden King'. Leaves broadly ovate, mostly entire finely-toothed, margins yellowish, dull green. (Pistillate.)

242820 to 242823. ILEX AQUIFOLIUM L.**English holly.**

242820. Col. No. 5746. 'Aurea-Regina'. Golden Queen Holly. Leaves broadly ovate, margins yellowish, strongly spiny and undulate. (Staminate.)

242821. Col. No. 5762. 'Handsworthensis'. Leaves elliptic, variously spiny-toothed, semi-entire, lustrous green above; stems purplish. (Staminate.)

242822. Col. No. 5745. 'Handsworth New Silver'. Leaves ovate, wide, coarsely undulate, flat, whitish margined. (Pistillate.)

242823. Col. No. 5759. 'Heterophylla Aurea-Marginata'. Leaves ovate, mostly entire, occasionally spiny, mostly flat to undulate, margins suffused yellowish, center dark green; stems bright green. (Staminate.)

242824 and 242825. ILEX AQUIFOLIUM L.**English holly.**

242824. Col. No. 5752. 'Argentea-Marginata Elegantissima'. Leaves ovate to elliptic, strongly long spiny-toothed, border yellowish. (Staminate.)

242825. Col. No. 5748. 'Monstrosa'. Leaves mostly elliptic, coarsely spiny-toothed, spines erect, deep lustrous green above. (Staminate.)

242826. ILEX $\times$ ALATACLARENSIS Dallim.

Col. No. 5747. 'Morei'. Leaves broadly ovate, uniformly spiny-toothed. (Staminate.)

242827 to 242832. ILEX AQUIFOLIUM L.**English holly.**

242827. Col. No. 5754. 'Mundi'. Leaves broadly ovate, irregularly spiny-toothed, deep green above. (Staminate.)

242828. Col. No. 5755. 'Oak Vale'. Branches purplish; leaves variously spiny-toothed, sometimes nearly entire, dull green above. (Staminate.)

242829. Col. No. 5749. 'Rubicaulis-Aurea'. Leaves broadly ovate to sub-orbicular, margins uniformly spiny-toothed, with narrow yellow bank. (Pistillate.)

242830. Col. No. 5758. 'Scotica Aurea'. Leaves elliptic, mostly entire, blades mottled yellowish, suffused green to deep lustrous green. (Pistillate.)

242831. Col. No. 5763. 'Victoria'. Leaves strongly spiny-toothed, undulate, margins yellowish, suffused green, (Staminate.)

242832. Col. No. 5757. 'Watereriana'. Plant to 8 feet high, profusely branched and forming a dense bush; leaves ovate, variously spiny-toothed, sometimes nearly entire. (Staminate.)

242833. ILEX $\times$ ALTAACLARENSIS Dallim.

Col. No. 5744. 'Altaclarensis'. Leaves broadly ovate, irregularly spiny-toothed, deep green above. An extremely vigorous hybrid, the tallest holly at Kew. (Staminate.)

242834. ILEX $\times$ BEANII Rehder

Col. No. 5761. Tree to 15 feet high; leaves wide, mostly elliptic, sparsely finely-toothed to entire. (Pistillate.) (*I. aquifolium* $\times$ *I. dipyrrena*.)

242811 to 242839—Continued**242835. ILEX DIPYRENA Wall.**

Col. No. 5742. Tree to 30 feet high; leaves mostly entire, acuminate, sometimes finely serrate.

242836. ILEX PLATAPHYLLA Webb & Berth.

Col. No. 5738. Tree to 30 feet high; leaves mostly entire, but sparingly spiny-toothed, uniformly spine-tipped; berries bright red.

242837. ILEX $\times$ ALTA CLARENSIS Dallim.

Col. No. 5739. 'Hodginsii'. Leaves uniformly spiny-toothed, broadly ovate, lustrous above; berries red. (Pistillate.)

242838. ILEX sp.

Col. No. 5735. Evergreen shrub; leaves sparsely undulate spiny, lustrous green above, much lighter below.

242839. ILEX sp.

Col. No. 5736. Evergreen shrub; leaves sparsely undulate spiny, lustrous green above, much lighter below.

242840 and 242841.

From India. Seeds presented by the Naval Attache, U.S.A. Embassy, New Delhi. Received January 3, 1957.

From near Rohtak, Punjab.

242840. HORDEUM sp. Poaceae.

Barley.

242841. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

242842 to 242844. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Colonial Sugar Refining Co., Ltd., Sydney. Received October 14, 1957.

242842. 39S. N. 2821.**242844. 55M. Q. 2488.****242843. 55M. Q. 2488.****242845. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.**

From France. Budwood presented by Llugany Henri, Elne. Received October 14, 1957.

'Madiline Pouijet'.

242846 to 242868.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 14, 1957.

From the Botanical Garden, Edinburgh, Scotland, received as cuttings unless otherwise noted.

242846 to 242850. Garden at Myddelton House, Bulls Cross, Enfield, Hertfordshire, England.**242846. AZARA MICROPHYLLA Hook. f. Flacourtiaceae.**

Col. No. 5771. 'Variegata'. Evergreen shrub to 8 feet high; leaves broadly ovate, yellow variegation.

242847. BUXUS SEMPERVIRENS L. Buxaceae.

Common box.

Col. No. 5768. 'Hardwickensis'. Evergreen shrub; branches ascending; leaves broadly ovate.

242848. HEDERA HELIX L. Araliaceae.

English ivy.

Col. No. 5773. 'Cristata'. Evergreen climber; leaves broadly ovate-cordate, strongly crispate on the margins.

242846 to 242868—Continued**242849.** *HOLCUS LANATUS* L. Poaceae.**Velvetgrass.**

Col. No. 5772. 'Variegatus'. Dwarf perennial forming a dense mat; leaves with white margins. (Clump.)

242850 to 242853. *ILEX AQUIFOLIUM* L. Aquifoliaceae.**English holly.****242850.** Col. No. 5766. 'Angustifolium'. Evergreen tree to 30 feet high; leaves ovate, acuminate, regularly spiny-toothed, lustrous green above; berries red.**242851.** Col. No. 5777. 'Argentea Longifolia'. Leaves mostly elliptic, coarsely undulate, margins silvery. (Staminate.)**242852.** Col. No. 5780. 'Argentea-Marginata'. Branches strongly pendulous; leaves mostly ovate, coarsely spiny-toothed, nearly entire, yellowish margins; berries red. (Pistillate.)**242853.** Col. No. 5782. 'Argentea-Regina'. Silver Queen Holly. Leaves broadly ovate, coarsely spiny-toothed, lustrous green with yellowish margins.**242854.** *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5774. 'Aurea Angustifolia'. Leaves elliptic, variously spiny-toothed, nearly entire, margins yellowish. (Pistillate.)

242855 to 242857. *ILEX AQUIFOLIUM* L.**English holly.****242855.** Col. No. 5789. 'Aurifodina'. Stems purplish; leaves mostly elliptic, coarsely spiny-toothed, irregularly ciliate-toothed, sometimes entire, lustrous deep green above. (Pistillate.)**242856.** Col. No. 5787. 'Handsworthensis'. Stems purplish; leaves ovate, sharp spiny-tipped, irregularly ciliate-toothed margined, sometimes entire, lustrous deep green above. (Staminate.)**242857.** Col. No. 5784. 'Aurea-Regina'. Golden Queen Holly. Leaves lustrous green with creamy-silver edges. (Staminate.)**242858 to 242860.** *ILEX* × *ALTACLARENSIS* Dallim.**242858.** Col. No. 5779. 'Lawsoniana'. Leaves broadly ovate, irregularly spiny-toothed, sometimes nearly entire, often with large yellowish-white patches suffused green to dark green. (Pistillate.)**242859.** Col. No. 5788. 'Senescens'. Stems green; leaves mostly ovate, irregularly spiny-toothed, nearly entire, lustrous deep green above. (Pistillate.)**242860.** Col. No. 5786. 'W. J. Bean'. Leaves mostly broad ovate, irregularly spiny-toothed, dark lustrous green above; berries red. (Pistillate.)**242861 to 242864.** *ILEX AQUIFOLIUM* L.**English holly.****242861.** Col. No. 5783. 'Madam Briot'. Leaves lustrous green suffused yellow margins, coarsely undulate. (Staminate.)**242862.** Col. No. 5776. 'Myrtifolia Aurea'. Shrub to eight feet high; stems purplish; leaves ovate, uniformly finely spiny-toothed, variously suffused yellowish-green, lustrous above. (Staminate.)**242863.** Col. No. 5778. 'Recurva'. Stems green; leaves elliptic, coarsely spiny-toothed, strongly recurved at the tip, lustrous green above. (Staminate.)**242864.** Col. No. 5781. 'Sichtenthalii'. Leaves narrowly ovate to elliptic, entire, lustrous dark green above.**242865 and 242866.** *ILEX* × *ALTACLARENSIS* Dallim.**242865.** Col. No. 5785. 'Smithiana'. Leaves irregularly spiny-toothed, sometimes nearly entire, lustrous dark green above. (Staminate.)**242866.** Col. No. 5775. Large shrub; stems purplish; leaves mostly ovate, mostly coarsely spiny, undulate, lustrous dark green above, lighter below; berries red.

242846 to 242868—Continued

242867. *PRUNUS LAUROCERASUS* L. Amygdalaceae. **Cherry laurel.**

Col. No. 5769. 'Kitaebelii'. Evergreen shrub; leaves narrowly elliptic, acuminate.

242868. *VITIS VINIFERA* L. Vitaceae. **European grapes.**

Col. No. 5770. 'Purpurea'. Deciduous vine; leaves strongly purplish-red from the beginning.

242869 and 242870.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 1, 1957.

From the Botanical Garden, Edinburgh, Scotland.

242869. *CRYPTOMERIA JAPONICA* var. *SINENSIS* Sieb. Pinaceae.

Col. No. 5508. Evergreen tree with more spreading branches than the Japanese form.

242870. *FICUS CANNONII* (Bull.) N. E. Br. Moraceae. **Fig.**

Col. No. 5507. Tree; leaves to 10 inches long, purplish-red throughout.

242871. *PRUNUS* sp. Amygdalaceae.

From Yugoslavia. Seeds presented by the Institute for Fruit Culture, Cacak. Received October 16, 1957.

'Petrovaca'.

242872 to 242896.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 16, 1957.

From the Botanical Garden, Kew, England, received as cuttings unless otherwise noted.

242872 and 242873. *CARYOPTERIS* × *CLANDONENSIS* A. Simmonds Verbenaceae. (*C. incana* × *C. mongholica*.)

242872. Col. No. 5805. 'Kew Blue'. Suffrutescent subshrub to 30 inches high; flowers azure blue.

242873. Col. No. 5820. Suffrutescent subshrub to 30 inches high; flowers indigo blue.

242874. *DICHOTOMANTHES TRISTANIAECARPA* Kurz Amygdalaceae.

Col. No. 5817. Large evergreen shrub; leaves oblong to 3 inches long.

242875. *EUPHORBIA ROBBIAE* Turrill Euphorbiaceae.

Col. No. 5807. Rhizomatous perennial to 12 inches high, creeping so as to cover a large area; stems limber, green; leaves close toward top of the stems, deep green. (Plants.)

242876. *HEDERA CANARIENSIS* Willd. Araliaceae. **Ivy.**

Col. No. 5821. 'Arborescens'. Erect shrub, flowering form; leaves all green.

242877 and 242878. *HEDERA COLCHICA* Koch **Colchis ivy.**

242877. Col. No. 5819. 'Arborescens'. Erect shrub, flowering form; leaves small; flowers yellowish.

242878. Col. No. 5818. 'Arborescens'. Shrub; leaves wide, lustrous green.

242879. *HOLBOELLIA LATIFOLIA* Wall. Lardizabalaceae.

Col. No. 5811. Twining evergreen climber; leaves leathery, ternate; fruits fleshy. (Seed.)

242872 to 242896—Continued**242880.** *ILEX AQUIFOLIUM* L. Aquifoliaceae.**English holly.**

Col. No. 5808. 'Aurea-Marginata Fructo-Luteo'. Leaves mostly ovate, coarsely spiny-toothed, margins yellowish-white. (Pistillate.)

242881. *ILEX CILIOSPINOSA* Loes.

Col. No. 5801. Evergreen tree to 20 feet high, inclined to form a single trunk; leaves sparsely spiny-margined, dull green above. (Staminate.)

242882. *ILEX PURPUREA* Hassk.

Col. No. 5800. Evergreen tree; leaves mostly elliptic, regularly spiny-toothed, furrowed to the midvein above, somewhat recurved, leathery, dull green, new leaves purplish.

242883. *OSMANTHUS YUNNANENSIS* (Franch.) P. S. Green Oleaceae.

Col. No. 5814. Evergreen tree to 20 feet high; leaves lanceolate to ovate, strongly spiny coarse toothed, deep dark green above; flowers white, fragrant.

242884 and 242885. *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green Oleaceae.**242884.** Col. No. 5815. Evergreen shrub to 8 feet high; leaves yellowish variegated, a narrow leaf form.**242885.** Col. No. 5816. 'Latifolius Variegatus'. Evergreen shrub to 8 feet high; leaves with a broad whitish peripheral band.**242886.** *OSMANTHUS SUAVIS* C. B. Clarke

Col. No. 5802. Evergreen shrub to 12 feet high; leaves deep lustrous green above, regularly finely serrate, the lenticels prominent on the twigs.

242887. *OSMANTHUS SERRULATUS* Rehder

Col. No. 5825. Evergreen shrub to 8 feet high; branches very dense; leaves elliptic to oblong, finely serrate, lustrous deep green above.

242888. *OSMANTHUS* × *FORTUNEI* Carr.Col. No. 5806. (*O. fragrans* × *O. heterophyllus*.) Evergreen shrub to 8 feet high, much-branched; leaves strongly spiny-toothed, lustrous green above; flowers very fragrant.**242889.** *OSMANTHUS* sp.

(Unnumbered.) Much-branched evergreen shrub to 8 feet high; flowers very fragrant.

242890 and 242891. *PHILLYREA DECORA* Boiss. & Bal. Oleaceae.**242890.** Col. No. 5809. Much-branched evergreen shrub to 15 feet high, forming a spreading round-headed plant; leaves mostly oblong, leathery, deep green above, lighter below.**242891.** Col. No. 5824. Evergreen shrub to 10 feet high; leaves narrowly elliptic, dull green above.**242892.** *PHOTINIA* sp. Malaceae.

Col. No. 5813. Large evergreen shrub; twigs and petioles reddish; leaves obovate, mucronate, finely serrate.

242893. *POTENTILLA FRUTICOSA* L. Rosaceae.**Shrubby cinquefoil.**

Col. No. 5810. 'Bowles'. Much-branched shrub to 30 inches high; leaves to 0.75 inch long; flowers deep yellow.

242894. *SALIX* × *GRAHAMII* Borrer Salicaceae.Col. No. 5812. (*S. herbacea* × *S. phylicifolia*.) Deciduous, prostrate shrub; leaves ovate, long, lustrous green above.**242895.** *SARCOCOCCA CONFUSA* Sealy Buxaceae.

Col. No. 5803. Much-branched evergreen shrub to 3 feet high, dense; leaves acuminate, lustrous green above.

242872 to 242896—Continued

242896. *SARCOCOCCA RUSCIFOLIA* var. *CHINENSIS* (Franch.) Rehd. & Wils.

Col. No. 5804. Evergreen shrub; branches mostly ascending; leaves ovate, acuminate, lustrous green above.

242897 to 242903.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 17, 1957.

242897. *CUPHEA LANCEOLATA* Dryand. Lythraceae.

Col. No. 5764. Cambridge Botanic Garden, Cambridge, England. Sticky annual to 18 inches high; flowers violet-purple. (Seed.)

242898 to 242903. From the Royal Botanic Gardens, Kew, England.

242898 and 242899. *ILEX AQUIFOLIUM* L. Aquifoliaceae. **English holly.**

242898. Col. No. 5791. 'Angustifolium Aurea-Maculata'. Leaves occasionally variegated yellow. (Staminate.)

242899. Col. No. 5798. 'Fisheri'. Twigs green; leaves variously shaped, mostly ovate or elliptic, sometimes undulate, coarsely spiny-toothed, sometimes entire. (Staminate.)

242900. *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5790. 'Foxii'. (*I. aquifolium* × *I. perado*). Young stems purplish; leaves mostly broadly ovate, regularly coarsely serrate, mostly quite flat, lustrous deep green above. (Staminate.)

242901. *ILEX AQUIFOLIUM* L.

English holly.

Col. No. 5795. 'Ingramii'. Older leaves lustrous deep green, younger leaves streaked whitish. (Staminate.)

242902 and 242903. *ILEX* × *ALTACLARENSIS* Dallim.

242902. Col. No. 5799. (*I. aquifolium* × *I. perado*) 'Marnockii'. Leaves mostly elliptic, entire or irregularly undulate, spiny-toothed, very lustrous deep green above; berries red. (Pistillate.)

242903. Col. No. 5793. 'Repanda'. Leaves mostly ovate to elliptic, irregularly undulate, spiny, sometimes nearly entire, periphery suffused yellowish, otherwise lustrous dark green. (Pistillate.)

242904. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 22, 1957.

From the Royal Botanic Gardens, Kew, England.

Col. No. 5830. Deciduous tree; flowers deep pink.

242905 to 242907.

From Afghanistan. Seeds presented by Dr. Arnold Krochmal, University of Wyoming Team, Kabul. Received October 18, 1957.

Bazaar, Herat.

242905. *CAPSICUM FRUTESCENS* L. Solanaceae.

Redpepper.

Very pungent. Fruits bright red.

242906. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae.

Watermelon.

Leaves much reduced; fruits about 24 inches in diameter, cylindrical; skin striped and solid green; rind fairly sweet, medium-thick; flesh whitish and pinkish.

242907. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

Mixed seeds. Fruits watermelon shaped to 5 inches long, dark brown with yellow striped or round, bright yellow to 3 inches in diameter.

242908 to 242914. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Hawaii. Cuttings presented by the Experiment Station, Hawaiian Sugar Planters Association, Honolulu. Received October 21, 1957.

242908. 33-9039.

242912. 47-6024.

242909. 40-1184.

242913. 53-4662.

242910. 44-2364.

242914. Chino.

242911. 47-6022.

242915 to 242920

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 21, 1957.

From the Botanical Garden, Kew, England. Received as cuttings unless otherwise noted.

242915. RHODODENDRON JASMINIFLORUM Hook. Ericaceae.

Col. No. 5826. Evergreen shrub to 3 feet high; flowers red, tubular.

242916 and 242917. RHODODENDRON JAVANICUM (Blume) Benn.

242916. Col. No. 5829. 'Pink Delight'. Evergreen shrub to 5 feet high; leaves to 4 inches long, oblong, deep green above; flowers in a loose truss, clear pink.

242917. Col. No. 5827. Evergreen shrub to 3 feet high.

242918. RHODODENDRON RETUSUM (Bl.) Benn.

Col. No. 5828. Evergreen shrub to 3 feet high; flowers red.

242919 and 242920. From John Waterer & Sons and Crisp, Ltd., Surrey, England.

242919. RUBUS sp. Rosaceae.

Col. No. 5822. (Seed.)

242920. SORBUS VILMORINII C. Schneid. Malaceae.

Mountain-ash.

Col. No. 5823. Small tree; fruits pink. (Seed.)

242921 to 242936.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 21, 1957.

From the Borde Hill Gardens (Lady Clarke) Haywards Heath, Sussex, England. Received as cuttings unless otherwise noted.

242921. ABELIA TRIFLORA R. Br. Caprifoliaceae.

Himalaya abelia.

Col. No. 5842. Deciduous shrub to 12 feet high; leaves ovate to ovate-lanceolate acuminate; flowers rose-white.

242922. AMICIA ZYGOMERIS DC. Fabaceae.

Col. No. 5847. Chelsea Physic Garden, London, England. Shrub to 8 feet high; flowers yellow. Originally from Mexico.

242923. EUCRYPHIA $\times$ NYMANENSIS Bausch Eucryphiaceae.

Col. No. 5841. 'Nymansay'. (*E. cordifolia* $\times$ *E. glutinosa*) Evergreen tree to 30 feet high; leaves oblong, uniformly serrate.

242924. ILEX DIPYRENA Wall. Aquifoliaceae.

Holly.

Col. No. 5834. Evergreen tree to 30 feet high; leaves oblong-acuminate, regularly wide-spaced spiny-toothed.

242925. ILEX PEDUNCULOSA Miquel.

Holly.

Col. No. 5844. Small evergreen tree; leaves ovate to oblong, short acuminate, entire, lustrous green above, margins somewhat undulate.

242921 to 242936—Continued**242926.** *Ilex integra* Thumb.**Holly.**

Col. No. 5829. Evergreen tree to 10 feet high; leaves oblong, deep lustrous green above, lighter below. (Pistillate.)

242927. *Ilex pedunculosa* var. *continentalis* Loes.**Holly.**

Col. No. 5840. Evergreen tree to 30 feet high; leaves ovate, lustrous green above, finely serrate on the upper half.

242928. *Laurus nobilis* L. Lauraceae.**Grecian laurel.**

Col. No. 5836. 'Angustifolia'. Evergreen tree; leaves narrowly elliptic, margins slightly crispate.

242929. *Ligustrum confusum* Decne. Oleaceae.**Privet.**

Col. No. 5843. Deciduous shrub to 12 feet high; leaves peachlike in appearance, mostly oblong, acuminate.

242930. *Quercus alnifolia* Poech Fagaceae.

Col. No. 5833. Small evergreen tree; leaves broadly ovate to nearly orbicular, serrate dentate, deep lustrous green above, rusty tomentose beneath.

242931. *Rodgersia aesculifolia* Batal. Saxifragaceae.

Col. No. 5845. Rhizomatous perennial; petioles to 4 feet long. (Rhizomes.)

242932. *Schisandra grandiflora* (Wall.) Hook. f. Magnoliaceae.

Col. No. 5834. Scrambling evergreen vine; leaves oblong, acuminate, finely serrate, petioles pinkish.

242933. *Schizocapsa plantaginea* Hance Taccaceae.

Col. No. 5832. Perennial, acaulescent; leaves to 8 inches long; flowers produced from the base in a loose umbel. (Seeds.)

242934. *Sinojackia rehderiana* Hu Styracaceae.

Col. No. 5838. Deciduous shrub to 5 feet high; leaves ovate, long, serrate.

242935 and 242936. *Telopia truncata* (Labill.) R. Br. Proteaceae.**242935.** Col. No. 5837. Evergreen shrub to 8 feet high; leaves oblanceolate deep green above, glaucous below.**242936.** Col. No. 5846. Evergreen shrub to 8 feet high; leaves oblanceolate, deep green above, glaucous below.**242937 to 242996.**

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 22, 1957.

From the Royal Horticultural Society Gardens, Ripley, Wisley, Woking, Surrey, England.

242937. *Gazania* (hybrid). Asteraceae.

Col. No. 5910. 'Repens'. Foliage green, pinnately divided; rays small, orange.

242938. *Gazania* × *splendens* Hends.

Col. No. 5916.

242939 to 242946. *Gazania* (hybrids).**242939.** Col. No. 5914. 'Ariel'. Rays yellow with green and black centers.**242940.** Col. No. 5848. 'Audrey'. Dwarf; leaves silvery; rays orange.**242941.** Col. No. 5859. 'Betty'. Very strong grower; rays yellow, green-eyed.**242942.** Col. No. 5855. 'Bridget'.

242937 to 242996—Continued**242939 to 242946—Continued**

242943. Col. No. 5894. 'Buff'. Rays buff-colored.

242944. Col. No. 5853. 'Christopher'. Rays mauve-pink with a dark eye.

242945. Col. No. 5864. 'Daphne'. Rays yellow, with green eye.

242946. Col. No. 5861. 'David'. Rays red-brown, with green eye.

242947. GAZANIA × SPLENDENS Hends.

Col. No. 5908. 'Wisley DCX7'. Like a paler 'Bridget'.

242948 to 242964. GAZANIA (hybrids).

242948. Col. No. 5869. 'Faith'. Vigorous; foliage green; rays clear yellow with green eye.

242949. Col. No. 5872. 'Filigree'. Leaves deeply cut, silvery; rays orange-yellow with black eye.

242950. Col. No. 5892. 'Frances'. Dwarf; rays yellow.

242951. Col. No. 5842. 'Freddie'. Leaves lustrous green above, white tomentose below; rays burgundy-colored.

242952. Col. No. 5885. 'George'. Rays red-brown with brown eye.

242953. Col. No. 5849. 'Gold'. Foliage gray; rays solid orange.

242954. Col. No. 5913. 'Haddon's Gold'. Very vigorous, trailing; foliage deeply cut, gray; rays orange.

242955. Col. No. 5860. 'Hazel'. Rays red-brown.

242956. Col. No. 5884. 'Joan'. Very vigorous; rays light orange.

242957. Col. No. 5857. 'Lilac Pink'.

242958. Col. No. 5901. 'Lilian'. Strong grower; rays red-brown.

242959. Col. No. 5893. 'Margaret'. Dwarf; rays orange.

242960. Col. No. 5897. 'Maurice'. Rays orange and yellow.

242961. Col. No. 5856. 'Red Torch'.

242962. Col. No. 5858. 'Roger'.

242963. Col. No. 5850. 'Rosemary'. Rays orange-yellow.

242964. Col. No. 5851. 'Silver Gilt'.

242965 to 242968. GAZANIA × SPLENDENS Hends.

242965. Col. No. 5915. 'Tolls Orange'. Foliage gray; rays bright orange.

242966. Col. No. 5911. 'Wisley 509'.

242967. Col. No. 5896. 'Wisley 679'. Rays large, orange, with black eye.

242968. Col. No. 5863. 'Wisley 718'. Rays yellow with small dark eye.

242969. GAZANIA (hybrid).

Col. No. 5866. 'Patrick'. Rays glowing orange, good eye.

242970 to 242991. GAZANIA × SPLENDENS Hends.

242970. Col. No. 5867. 'Wisley 770'. Rays deep brown-red with dark eye.

242971. Col. No. 5898. 'Wisley 772'. Dwarf, not very vigorous; rays orange with well-marked dark eye.

242972. Col. No. 5868. 'Wisley 777'.

242973. Col. No. 5889. 'Wisley 780'. Rays whitish to cream colored with dark eye.

242974. Col. No. 5905. 'Wisley 782'. Rays very large, light orange.

242975. Col. No. 5907. 'Wisley 783'. Rays large, yellow with brown eye.

242937 to 242996—Continued**242970 to 242991—Continued**

- 242976.** Col. No. 5902. 'Wisley 784'. Rays yellow, dark eye.
242977. Col. No. 5909. 'Wisley 784'. Rays yellow, dark eye.
242978. Col. No. 5871. 'Wisley 789'.
242979. Col. No. 5874. 'Wisley 793'. Foliage dark green; rays burnt-orange with green eye.
242980. Col. No. 5876. 'Wisley 795'. Vigorous; rays medium brown-red.
242981. Col. No. 5903. 'Wisley 796'. Vigorous; foliage dark green; rays clear yellow.
242982. Col. No. 5877. 'Wisley 797'. Vigorous; foliage green; rays large, orange with black eye.
242983. Col. No. 5879. 'Wisley 799'. Spreading habit, vigorous; rays very large, yellow with finely marked green and black eye.
242984. Col. No. 5880. 'Wisley 800'. Rays red-brown with brown eye.
242985. Col. No. 5906. 'Wisley 801'. Rays flame yellow with a dark ring in center.
242986. Col. No. 5904. 'Wisley 802'. Dwarfish; rays orange with brown and black eye.
242987. Col. No. 5900. 'Wisley 804'. Foliage much divided; rays red-brown.
242988. Col. No. 5881. 'Wisley 805'. Vigorous; rays red-brown with brown eye.
242989. Col. No. 5882. 'Vera'.
242990. Col. No. 5899. 'Wisley 807'. Medium vigorous plant; rays cream colored with darker green eye.
242991. Col. No. 5883. 'Wisley 808'. Foliage gray; rays glowing orange, with dark eye.

242992. GAZANIA (hybrid).

Col. No. 5886. 'Keturah'. Rays cream, fading to pure white with greenish eye.

242993. GAZANIA × SPLENDENS Hends.

Col. No. 5887. 'Wisley 812'. Rays orange with dark greenish eye.

242994 and 242995. LAVANDULA SPICA L. Menthaceae. Lavender.

242994. Col. No. 5890. 'Alba'. Evergreen shrub, 3 feet tall; flowers white.

242995. Col. No. 5891. 'Nana'. Dwarf evergreen shrub; foliage gray.

242996. ROSMARINUS OFFICINALIS L. Menthaceae. Rosemary.

Col. No. 5895. 'Albiflorus'. Evergreen shrub; flowers white.

242997 to 243002.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 17, 1957.

From the Botanical Garden, Edinburgh, Scotland. Received as cuttings unless otherwise noted.

242997. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.

Col. No. 5767. 'Angustifolium'. Garden at Myddelton House, Bulls Cross, Enfield, Hertfordshire. (Seeds.) (Pistillate.)

242998. ILEX CRENATA Thunb. Japanese holly.

Col. No. 5797. 'Luteo-Variegata'. Leaves occasionally blotched yellowish.

242997 to 243002—Continued**242999.** *ILEX FARGESII* Franch.**Holly.**

Col. No. 5796. Small evergreen tree; twigs reddish or purplish; leaves elliptic to oblanceolate sparsely serrate, dull green.

243000. *ILEX* × *ALTACLARENSIS* Dallim.

Col. No. 5794. 'Atrovirens'. Twigs green; leaves mostly ovate to elliptic, regularly wide-spaced spiny-toothed.

243001. *ILEX PURPUREA* Hassk.**Holly.**

Col. No. 5792. Evergreen shrub to 6 feet high; leaves elliptic, finely serrate, lustrous green above, midvein whitish, petioles reddish.

243002. *LEUCOJUM AUTUMNALE* L. Amaryllidaceae.**Snowflake.**

Col. No. 5765. Garden at Myddelton House, Bulls Cross, Enfield, Hertfordshire, England. Perennial; leaves grasslike; flowers white to pinkish. (Seeds.)

243003. *TAGETES LUCIDA* Cav. Asteraceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 23, 1957.

Col. No. 16546. Sierra Saguaribo, Sonora.

243004 to 243007.

From the Union of South Africa. Seeds presented by Theo. Wassenaar, Middleburg, Transvaal. Received October 24, 1957.

243004. *AVENA* sp. Poaceae.**243005.** *ERAGROSTIS CURVULA* (Schrud.) Nees. Poaceae. **Weeping lovegrass****243006.** *HORDEUM BULBOSUM* L. Poaceae. **Bulbous barley.****243007.** *HORDEUM SPONTANEUM* C. Koch **Barley.****243008 to 243010.**

From India. Seeds presented by V. B. Sharma, Saugor, Madhya Pradesh. Received October 23, 1957.

243008. *ALLIUM CEPA* L. Liliaceae.**Common onion.**

'Red Globe'.

243009. *ALLIUM RUBELLUM* Bieb.**243010.** *ALLIUM VICTORIALIS* L.**243011.** *ABELIA FLORIBUNDA* (Mart. & Gal.) Dene. Caprifoliaceae. **Mexican abelia.**

From the United States. Plants growing at the U.S. Plant Introduction Station, Glenn Dale, Maryland. Numbered December 9, 1957.

Originally received September 16, 1957, as cuttings, from Eric Walther, Golden Gate Park, San Francisco, California.

243012 to 243044. *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**

From the United States. Plants growing at the U.S. Plant Introduction Garden Coconut Grove, Florida. Numbered October 24, 1957.

Originally received as budwood.

243012 to 243018. Clones from Turrialba, Costa Rica.**243012.** UF-221.**243016.** UF-668.**243013.** UF-613.**243017.** UF-676.**243014.** UF-650.**243018.** UF-677.**243015.** UF-667.

243012 to 243044—Continued**243019 to 243022.** Clones from Bogor, Indonesia.**243019.** DR-1.**243021.** DR-38.**243020.** DR-2.**243022.** GC-7.**243023 to 243025.** Clones from Guatemala. Originally from Mexico.**242023.** 9-R.**243025.** 88-R.**242024.** 52-R.**243026 to 243043.** Clones from Trinidad.**243026.** ICS-8.**243035.** ICS-61.**243027.** ICS-32.**243036.** ICS-84.**243028.** ICS-39.**243037.** IMC-67.**243029.** ICS-40.**243038.** GS-29.**243030.** ICS-43.**243039.** GS-36.**243031.** ICS-44.**243040.** PA-121.**243032.** ICS-47.**243041.** PA-169.**243033.** ICS-53.**243042.** PA-218.**243034.** ICS-60.**243043.** SCA-12.**243044.** Clone UF-654. Received from Turrialba, Costa Rica.**243045 to 243048.** *AVENA SATIVA* L. Poaceae. **Common oats.**

From Australia. Seeds presented by the Temora Experiment Farm, Department of Agriculture, Sydney, New South Wales. Received October 24, 1957.

243045. 'Fulghum'.**243047.** 'Victorgrain 4'.**243046.** 'Fulmark'.**243048.** 'Yates Algerian'.**243049 to 243051.** *BRASSICA OLERACEA* var. *GEMMIFERA* DC. Brassicaceae. **Brussel sprouts.**

From Ireland. Seeds presented by the Johnstown Castle, Agricultural College, Wexford. Received October 24, 1957.

243049. 'Glasnevin Supreme'.**243051.** -5/57.**243050.** -1/57.**243052.** *FICUS PSEUDOPALMA* Blanco Moraceae. **Fig.**

From the United States. Plant growing at the U.S. Plant Introduction Garden, Coconut Grove, Florida. Numbered October 24, 1957.

243053 to 243057. *HEVEA BRASILIENSIS* (A. Juss.) Muell.-Arg. Euphorbiaceae. **Para rubber tree.**

From Liberia. Budwood presented by Firestone Plantations Co., Harbel. Received October 25, 1957.

243053. 'C. 293'.**243056.** 'C. 695'.**243054.** 'C. 334'.**243057.** 'Harbel 2'.**243055.** 'C. 578'.**243058 to 243062.** *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received October 25, 1957.

243058 to 243062. From Campinas.**243058.** No. 1.**243061.** No. 4. From Ribeirao Preto.**243059.** No. 2.**243062.** No. 5. From Guararape.**243060.** No. 3.

243063 to 243069. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Egypt. Seeds presented by the Ministry of Agriculture, Plant Breeding Section, Giza. Received October 25, 1957.

243063. 'Giza 139' × 'Gabo', 1360-3238.
 243064. 'Giza 139' × 'Gabo', 1360-3316.
 243065. 'Giza 139' × 'Hegazy Ahmer', 1362-3491.
 243066. 'Giza 141' × 'Gabo', 1359-3133.
 243067. 'Giza 141' × 'NA 710', 1357-3028.
 243068. 'Line 950' × 'Giza 141', 1361-3361.
 243069. 'Line 950' × 'Giza 141', 1361-3388.

243070 to 243081.

From Jordan. Seeds presented by the Ministry of Agriculture, Agricultural Research Service, Amman. Received October 25, 1957.

243070. CARTHAMUS TINCTORIUS L. Asteraceae.**Safflower.**

'Local W.Y'.

243071 to 243080. HELIANTHUS ANNUUS L. Asteraceae. Common sunflower.

- | | |
|---------------------|---------------------|
| 243071. Aminan I/4. | 243076. W.Y. III/1. |
| 243072. W.Y. I/1. | 233077. W.Y. III/2. |
| 243073. W.Y. I/4. | 243078. W.Y. III/3. |
| 243074. W.Y. I/7. | 243079. W.Y. LV/1. |
| 243075. W.Y. II/4. | 243080. W.Y. 117/4. |

243081. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

Local strain.

243082 and 243083. GOSSYPIUM (hybrid). Malvaceae.**Cotton.**

From Brazil. Seeds presented by the Instituto Agronomico, Sao Paulo. Received October 25, 1957.

From Sete Lagoas Experiment Station, Sete Lagoas, Minas Gerais.

243082. 'N.A. 594 Ganga'. (Kidney type.)
 243083. 'N.A. 599 Ganga'.

243084 to 243109.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 25, 1957.

From Hillier & Sons Nursery, Winchester, Hampshire, England. Received as cuttings unless otherwise noted.

243084 to 243091. ILEX AQUIFOLIUM L. Aquifoliaceae.**English holly.**

243084. Col. No. 5935. 'Barnes'. Leaves ovate, coarsely spiny-toothed, extremely dark lustrous green. (Pistillate.)
 243085. Col. No. 5936. 'Muricata'. (Staminate.)
 243086. Col. No. 5943. Leaves strongly variegated with whitish margins, spiny-toothed, undulate.
 243087. Col. No. 5923. 'Hastata'. (Staminate.)
 243088. Col. No. 5933. 'Laurifolia Variegata'. (Staminate.)
 243089. Col. No. 5919. 'Ovatifolium'. Leaves oblong, mostly flat, regularly spiny-toothed, lustrous deep green above. (Staminate.)

243084 to 243109—Continued**243084 to 243091—Continued**

- 243090.** Col. No. 5918. 'Aurea-Marginata Ovata'. Leaves regularly short spiny-toothed, mostly bright-yellow margined. (Staminate.)
- 243091.** Col. No. 5930. 'Argentea-Marginata Pendula'. Branches weeping; foliage white variegated; berries red. (Pistillate.)
- 243092.** *ILEX CORALLINA* Franch. **Coral holly.**
Col. No. 5924. Evergreen; branches with a spreading habit.
- 243093.** *ILEX DIPYRENA* Wall. **Holly.**
Col. No. 5942. Typical form.
- 243094 and 243095.** *ILEX FARGESII* Franch. **Holly.**
243094. Col. No. 5941. Evergreen tree or shrub to 15 feet high; leaves mostly oblanceolate, acuminate.
243095. Col. No. 5931. Evergreen; leaves narrowly oblong.
- 243096.** *ILEX FRAGILIS* Hook. f. **Holly.**
Col. No. 5921. Evergreen shrub.
- 243097.** *ILEX HOOKERI* King **Holly.**
Col. No. 5925. Evergreen; leaves mostly oblong, deep green, not lustrous, coarsely undulate spiny-toothed.
- 243098 and 243099.** *ILEX INSIGNIS* Hook. f. **Holly.**
243098. Col. No. 5928. Evergreen.
243099. Col. No. 5938. Evergreen; leaves lanceolate to elliptic, dull green, mostly entire, occasionally finely serrate, acuminate, leathery, petioles reddish.
- 243100.** *ILEX INTRICATA* Hook. f. **Holly.**
Col. No. 5934. Prostrate evergreen shrub; leaves lustrous green; fruits red.
- 243101.** *ILEX FICOIDEA* Hemsl. **Holly.**
Col. No. 5922. Evergreen.
- 243102.** *ILEX CASSINE* Walt. **Dahoon.**
Col. No. 5920. Evergreen; leaves oblong to oblanceolate, light green, finely serrate on the upper half, petioles reddish.
- 243103.** *ILEX YUNNANENSIS* Franch.
Col. No. 5929. Evergreen shrub to 12 feet high; stem single, much-branched.
- 243104.** *ILEX GEORGEI* Comber **Holly.**
Col. No. 5939
- 233105.** *LAURELIA NOVA-ZEALANDIAE* A. Cunn. Monimiaceae.
Co. No. 5932. Evergreen tree.
- 243106.** *OLEA CUNNINGHAMII* Hook. f. Oleaceae.
Col. No. 5926. Evergreen tree.
- 243107.** *PRUNUS LUSITANICA* var. *AZORICA* Nichols Amygdalaceae.
Col. No. 5940. Evergreen; leaves large and thicker than the type.
- 243108.** *SARCOCOCCA CONFUSA* Sealy Buxaceae.
Col. No. 5937.
- 243109.** *SARCOCOCCA HOOKERIANA* var. *HUMILIS* Rehd. & Wils.
Col. No. 5927. Evergreen shrub.

243110. CHRYSANTHEMUM CINERARIAEFOLIUM (Trevir.) Vis. Asteraceae.

From the United States. Seeds held at the U.S. Plant Introduction Garden, Glenn Dale, Md. Numbered October 28, 1957.

Originally from the United States Cotton Field Station, Shafter, Calif.

243111 to 243145.

From the United States. Budwood held at the U.S. Plant Introduction Garden, Coconut Grove, Florida. Numbered October 28, 1957.

243111 to 243124. From Los Diamantes, Costa Rica.

243111. HEVEA sp. Euphorbiaceae.

Colombia—508. Seedling selection.

243112. HEVEA sp.

GA-50. An eastern clone.

243113 to 243123. HEVEA (hybrid).

(*H. benthamiana* × *H. brasiliensis*).

243113. FX-469 (F-4542 × Tj-1).

243114. FX-645 (F-4542 × Tj-1).

243115. FX-3899 (F-4542 × AV-363).

243116. FX-3925 (F-4542 × AV-363).

243117. IAN-2834 (FX-516 × PB-86).

243118. IAN-2890 (FX-2831 × PB-86).

243119. IAN-2926 (FX-2831 × PB-86).

243120. IAN-2953 (FX-4073 × PB-86).

243121. IAN-2973 (FX-4073 × PB-86).

243122. IAN-3534 (FX-623 × PB-186).

243123. IAN-3716 (FX-349 × PB-186).

243124. HEVEA BRASILIENSIS (A. Juss.) Muell.-Arg.

FX-2261. (F-1619 × AV-183).

243125 to 243145. From Belem, Brazil.

243125 to 243136. HEVEA (hybrid).

(*H. benthamiana* × *H. brasiliensis*).

243125. FX-469 (F-4542 × Tj-1).

243126. FX-637 (F-4542 × Tj-1).

243127. FX-645 (F-4542 × Tj-1).

243128. FX-3899 (F-4542 × AV-363).

243129. FX-3910 (F-4542 × AV-363).

243130. FX-3925 (F-4542 × AV-363).

243131. FX-4049 (F-4542 × PB-86).

243132. FX-4071 (F-4542 × PB-86).

243133. FX-4072 (F-4542 × PB-86).

243134. FX-4073 (F-4542 × PB-86).

243135. IAN-2567 (FX-4068 × AV-256).

243136. IAN-2962 (FX-4073 × PB-86)

243111 to 243145—Continued**243125 to 243145—Continued****243137 to 243145.** *HEVEA BRASILIENSIS* (A. Juss.) Muell.-Arg.**243137.** FX-985 (F-315 × AV-183).**243138.** FX-3631 (PB-86 × FB-110).**243139.** FX-3639 (PB-86 × FB-38).**243140.** FX-3652 (PB-86 × FB-38).**243141.** FX-3844 (AV-185 × FB-45).**243142.** FX-3846 (AV-183 × FB-45).**243143.** FX-4098 (PB-86 × B-74).**243144.** FX-4109 (PB-86 × B-74).**243145.** FX-4245 (AV-183 × FB-79).**243146 to 243149.** *SACCHARUM* (hybrid) Poaceae. **Sugarcane.**From Brazil. Canes presented by the Instituto Agronomico do Nordeste, Recife.
Received October 28, 1957.**243146.** IANE C 46-108.**243148.** IANE C 46-141.**243147.** IANE C 46-117.**243149.** IANE C 46-186.**243150 and 243151.**From Lebanon. Seeds presented by the Faculty of Agricultural Sciences,
American University of Beirut. Received October 29, 1957.**243150.** *CARTHAMUS FLAVESCENS* Willd. Asteraceae.

Annual to 3 feet high; stem white, glabrous, corymbose above; leaves ovate-lanceolate, spiny-toothed or lobed below, short above, yellow spines at margin; flowerets yellow; head ovate. Abundant in Bekaa Valley.

243151. *CARTHAMUS GLAUCUS* Bieb.

Found at lower altitudes.

243152 to 243179. *SECALE CEREALE* L. Poaceae.**Rye.**From Europe. Seeds obtained in European commerce at various centers.
Received October 29, 1957.

Numbers given are Cereal Crops identification numbers.

243152. No. 555163.**243166.** No. 562622.**243153.** No. 555184.**243167.** No. 562665.**243154.** No. 555186.**243168.** No. 562668.**243155.** No. 555299.**243169.** No. 572626.**243156.** No. 555332.**243170.** No. 572628.**243157.** No. 555341.**243171.** No. 572630.**243158.** No. 555342.**243172.** No. 572631.**243159.** No. 555343.**243173.** No. 572633.**243160.** No. 555344.**243174.** No. 572644.**243161.** No. 562590.**243175.** No. 572931.**243162.** No. 562605.**243176.** No. 572933.**243163.** No. 562607.**243177.** No. 572935.**243164.** No. 562609.**243178.** No. 572937.**243165.** No. 562611.**243179.** No. 572939.

243180 to 243182.

From the Netherlands. Seeds presented by the Institut voor Veredeling van Landbouwgewassen, Wageningen. Received October 29, 1957.

243180. *HORDEUM DISTICHON* L. Poaceae. **Barley.**
'Laevigatum'.

243181 and 243182. *HORDEUM VULGARE* L. **Barley.**

243181. 'Minerva'.

243182. 'Vada'.

243183 to 243189. *HORDEUM* (hybrid). **Barley.**

From France. Seeds presented by the Station Centrale d'Essais de Semences et d'Amelioration des Plantes. Received October 29, 1957.

243183. P.L. 2862. **243187.** No. 48.

243184. 'Tichedrett 3133'. **243188.** No. 183.

243185. 'Tichedrett 3270'. **243189.** No. 839.

243186. No. 42.

243190. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Kenya. Seeds presented by the Agricultural Experiment Station, Njoro. Received October 29, 1957.

243191. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Great Britain. Seeds presented by Nickersons, Seed Specialists, Grimsby, England. Received October 29, 1957.

'Koga II'.

243192. *TRITICUM* (hybrid). Poaceae. **Wheat.**

From Great Britain. Seeds presented by C. W. Marsters, Ltd., England. Received October 29, 1957.

No. 46.

243193. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

From Alaska. Seeds presented by B. M. Bensin, Fairbanks. Received October 29, 1957.

'Alaska #47'.

243194 and 243195.

From Argentina. Seeds presented by J. Vallega, Castelar. Received October 29, 1957.

Originally from Russia.

243194. *TRITICUM* sp. Poaceae. **Wheat.**

2n-56.

243195. *TRITICUM TIMOPHEEVII* Zhuk.

2n-28. 'Nigrum'.

243196. *ILEX CHINENSIS* Sims. Aquifoliaceae. **Holly.**

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 29, 1957.

Col. No. 5838. Hillier & Sons Nursery, Winchester, Hampshire, England. Evergreen shrub; twigs reddish; leaves ovate, finely serrate, light green.

243197. TERNSTROEMIA SYLVATICA Schlecht. & Cham. Theaceae.

From the United States. Plant growing at the U.S. Plant Introduction Garden, Glenn Dale, Md. Numbered October 29, 1957.

Originally from Eric Walther, Golden Gate Park, San Francisco, Calif.

243198 and 243199. PENNISETUM CILIARE (L.) Link Poaceae.

Buffelgrass.

From Southern Rhodesia. Seeds presented by the Grasslands Research Station of the Federal Ministry of Agriculture, Marandellas. Received October 30, 1957.

243198. Chipinga Strain.

243199. Grasslands Strain.

243200 to 243214. RICINUS COMMUNIS L. Euphorbiaceae.

Castorbean.

From Brazil. Seeds presented by the Instituto Agronomico do Leste, Ministerio da Agricultura, Salvador Bahia. Received October 30, 1957.

243200. No. 1.

243208. No. 9.

243201. No. 2.

243209. No. 10.

243202. No. 3.

243210. No. 11.

243203. No. 4.

243211. No. 12.

243204. No. 5.

243212. No. 13.

243205. No. 6.

243213. No. 14.

243206. No. 7.

243214. No. 15.

243207. No. 8.

243215. QUERCUS HISPANICA var. DENTATA (Wats.) Rehd. Fagaceae.

Oak.

From Great Britain. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 30, 1957.

From the Royal Botanic Gardens, Kew, England.

Col. No. 5828. Deciduous tree to 50 feet high; leaves mostly oblong, regularly serrate-dentate; cupule bristly; acorns deep brown, oblong.

243216. POA COMPRESSA L. Poaceae.

Canada bluegrass.

From the United States. Seed collected in West Virginia by B. M. Leese, Alexandria, Virginia. Received October 31, 1957.

From Fox Hollow, 6 miles west of Romney, West Virginia.

243217 to 243230.

From Iran. Seeds collected by the Agricultural Advisor, Tabriz. Received October 31, 1957.

243217. AGROPYRON sp. Poaceae.

243218. BETA sp. Chenopodiaceae.

243219. DESCHAMPSIA sp. Poaceae.

243220. ELYMUS sp. Poaceae.

243221. LALLEMANTIA sp. Menthaceae.

243222. LOTUS sp. Fabaceae.

243217 to 243230—Continued

- 243223 and 243224.** *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
243223. (No data.)
243224. Haytype, dry or irrigated.
243225. *MEDICAGO* sp.
243226 and 243227. *ONOBRYCHIS* sp. Fabaceae.
243226. No. 1.
243227. No. 2.
243228. *TRIFOLIUM RESUPINATUM* L. Fabaceae. Persian clover.
243229. *TRIFOLIUM FRAGIFERUM* L. Strawberry clover.
243230. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.

243231 to 243287.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received October 31, 1957.

From the garden at Caerhays Castle, Caerhays, Cornwall, England.

Received as cuttings unless otherwise noted.

- 243231.** *ACER FLABELLATUM* Rehd. Aceraceae. Maple.
 Col. No. 6017. Deciduous tree to 20 feet high. (Seed.)
243232. *ACER* sp.
 Col. No. 6015. Deciduous tree to 30 feet high. (Seed.)
243233. *ACER FLABELLATUM* Rehd. Maple.
 Col. No. 5954. Garden of G. H. Johnstone, Cornwall. Deciduous tree to 30 feet high. (Seed.)
243234. *ACER GROSSERI* Pax Maple.
 Col. No. 5946. Garden of G. H. Johnstone, Cornwall. Deciduous tree to 20 feet high.
243235. *ACER GROSSERI* var. *HERSII* (Rehd.) Rehd. Maple.
 Col. No. 5969. (Seedlings.)
243236. *ACER DAVIDII* Franch. Maple.
 Col. No. 6006. 'Ernest Wilson'. Deciduous tree to 30 feet high; bark smooth. (Seed.)
243237. *CAMELLIA JAPONICA* L. Theaceae. Common camellia.
 Col. No. 5950. 'Albo-Variegata'. Garden of G. H. Johnstone, Cornwall. Evergreen shrub to 6 feet high; leaves white margined.
243238 to 243242. *CAMELLIA RETICULATA* Lindl. Netvein camellia.
 (Wild form)
243238. Col. No. 5958. Garden of G. H. Johnstone, Cornwall. Evergreen shrub to 10 feet high.
243239. Col. No. 5990. (Seedling.)
243240. Col. No. 5996. (Seedling.)
243241. Col. No. 5997.
243242. Col. No. 6012. 'Mary Williams'. Flowers single, pink.

243231 to 243287—Continued

243243 to 243246. *CAMELLIA* × *WILLIAMSII* W. W. Smith (*C. japonica* × *C. saluenensis*)

243243. Col. No. 5995. 'Charles Michael'. Flowers deep pink.

243244. Col. No. 6004. 'St. Ewe'. Flowers single to semi-double.

243245. Col. No. 6973. 'Mary Christian'. Resembles 'J. C. Williams' but the flowers darker pink.

243246. Col. No. 5989. 'November Pink'. Dark pink form, flowering in November.

243247. *CAMELLIA* (hybrid).

Col. No. 5982. (*C. cuspidata* × *C. saluenensis*) 'Cornish Snow'. Flowers single, white.

243248. *TERNSTROEMIA* sp. Theaceae.

Col. No. 5993. Evergreen tree to 20 feet high; flowers not seen.

243249. *DRIMYS LANCEOLATA* (Poir.) Baill. Magnoliaceae.

Col. No. 6005. Large evergreen, shrub, much-branched; new stems reddish.

243250. *EMMENOPTERYS* sp. Rubiaceae.

Col. No. 5953. Garden of G. H. Johnstone, Cornwall. Deciduous tree to 10 feet high; leaves lustrous green above; petioles reddish.

243251. *EUONYMUS PENDULUS* Wall. Celastraceae.

Col. No. 6002. Evergreen tree to 25 feet high.

243252 and 243253. *GAULTHERIA FORRESTII* Diels Ericaceae.

243252. Col. No. 5974. Evergreen shrub to 5 feet high; branches arching; fruits medium blue.

243253. Col. No. 5975. (Seed.)

243254. *ILEX CORALLINA* Franch. Aquifoliaceae.

Coral holly.

Col. No. 5951. Garden of G. H. Johnstone, Cornwall. Evergreen tree to 20 feet high; trunk gray, only slightly roughened; branches green; leaves peachlike in appearance, ovate to oblong, acuminate, slightly serrate.

243255 to 243259. *ILEX DIPYRENA* Wall.

Holly.

243255. Col. No. 5976. Evergreen tree to 25 feet high; branches gently drooping; berries red.

243256. Col. No. 5978. Evergreen tree to 25 feet high; branches gently drooping; berries red.

243257. Col. No. 5979. (Seed.)

243258. Col. No. 5980.

243259. Col. No. 6010. Evergreen tree to 25 feet high; berries red.

243260 and 243261. *ILEX FICOIDEA* Hemsl.

243260. Col. No. 5965. Garden of G. H. Johnstone, Cornwall. Evergreen tree to 30 feet high; trunk to 10 inches in diameter; fruits red, densely clustered near the tips of the branches.

243261. Col. No. 5966. Garden of G. H. Johnstone, Cornwall. Evergreen tree to 30 feet high; trunk to 10 inches in diameter; fruits red, densely clustered near the tips of the branches. (Seed.)

243262 and 243263. *ILEX PEDUNCULOSA* Miquel

Holly.

243262. Col. No. 5987. Evergreen tree to 12 feet high, round-headed; fruit red.

243263. Col. No. 5988. (Seed.)

243231 to 243287—Continued**243264.** *Ilex sikkimensis* Kurz.**Holly.**

Col. No. 5981. Evergreen tree to 25 feet high; branches stiff.

243265. *Ilex georgei* Comber**Holly.**

Col. No. 5977. Evergreen tree to 15 feet high; fruits red.

243266. *Ilex franchetiana* Loes.**Holly.**

Col. No. 5998. Evergreen tree to 25 feet high; trunk smooth, whitish-gray; branches stout; fruit red.

243267. *Ilex insignis* Hook. f.**Holly.**

Col. No. 5999.

243268. *Ilex sikkimensis* Kurz.**Holly.**

Col. No. 6008. Evergreen tree to 15 feet high; branches grayish-white, smooth; leaves elliptic, very finely serrate, furrowed above, dull green, petioles reddish; fruit red.

243269. *Lindera communis* Hemsl. Lauraceae.

Col. No. 6013. Evergreen tree to 20 feet high; branches widely spreading.

243270. *Magnolia nitida* W. W. Smith Magnoliaceae.

Col. No. 5971. Evergreen tree to 20 feet high; leaves lustrous green.

243271. *Manglietia insignis* Blume Magnoliaceae.

Col. No. 5983. Evergreen tree to 50 feet high; trunk smooth, white.

243272. *Osmanthus delavayi* Baill. Oleaceae.**Delavay osmanthus.**

Col. No. 6009. Evergreen tree or shrub to 20 feet high.

243273. *Ligustrum sempervirens* (Franch.) Lingels. Oleaceae.**Privet.**

Col. No. 6003. Evergreen shrub to 8 feet high, spreading; leaves deep lustrous green.

243274. *Pieris formosa* (Wall.) D. Don Ericaceae.

Col. No. 6007. Evergreen shrub to 15 feet high.

243275. *Pieris forrestii* Harrow ex W. W. Smith

Col. No. 5949. Garden of G. H. Johnstone, Cornwall. 'Wakehurst'. Evergreen shrub to 15 feet high, much-branched; leaves deep green.

243276. *Pittosporum heterophyllum* Franch. Pittosporaceae.

Col. No. 5959. Garden of G. H. Johnstone, Cornwall. Evergreen shrub to 10 feet high, much-branched, spreading.

243277. *Reevesia* sp. Sterculiaceae.

Col. No. 5961. Garden of G. H. Johnstone, Cornwall. Evergreen tree to 30 feet high, much-branched; flowers white.

243278. *Rhododendron macrocarpum* Van Houtte Ericaceae.

Col. No. 5967. Garden of G. H. Johnstone, Cornwall. Deciduous shrub to 25 feet high.

243279. *Rubus tricolor* Focke Rosaceae.

Col. No. 5972. Scrambling evergreen; leaves ovate-cordate, semilobed; fruits crimson.

243280. *Symplocos dryophila* C. B. Clarke Symplocaceae.**Sweetleaf.**

Col. No. 6001. Evergreen tree to 20 feet high, forming a handsome globose specimen.

243281 and 243282. *Vaccinium urceolatum* Hemsl. Vacciniaceae.**Blueberry.****243281.** Col. No. 5991. Evergreen shrub to 5 feet high, berries black.**243282.** Col. No. 5992. (Seed.)

243231 to 243287—Continued

243283. *VACCINIUM NUMMULARIA* Hook. f. & Thoms. ex Clarke **Blueberry.**

Col. No. 5994. Spreading evergreen shrub to 3 feet high; flowers white; berries black.

243284 and 243285. *VIBURNUM FOETIDUM* Wall.

243284. Col. No. 5985. Evergreen shrub to 6 feet high; fruits red, globose.

243285. Col. No. 5986. (Seed.)

243286. *MACHILUS VIRIDUS* Hand.-Mazz. Lauraceae.

Col. No. 5947. Garden of G. H. Johnstone, Cornwall. Evergreen shrub to 15 feet high; leaves mildly aromatic when crushed.

243287. *EURYA JAPONICA* Thunb. Theaceae.

Col. No. 5970. Evergreen shrub to 10 feet high.

243288. *BROMUS ARVENSIS* L. Poaceae. **Brome.**

From Sweden. Seeds presented by the Director of the Swedish Seed Association, Svalov. Received October 31, 1957.

243289 and 243290. *AVENA SATIVA* L. Poaceae. **Common oats.**

From Argentina. Seeds presented by the Division of Plant Exploration and Introduction, Buenos Aires. Received November 1, 1957.

243289. 'Magnif 28'.

243290. 'Magnif 29'.

243291. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae. **Chiloe strawberry.**

From Alaska. Seeds collected by Arvo Kallio, Gustavus. Received November 6, 1957.

243292 to 243296.

From Great Britain. Plants collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 4, 1957.

From the Cambridge Botanic Garden, Cambridge, England.

243292. *EPHEDRA AMERICANA* var. *ANDINA* (Poepp.) Stapf Gnetaceae.

Col. No. 6045.

243293. *EPHEDRA MONOSTACHYA* L.

Col. No. 6044.

243294. *EPHEDRA GERARDIANA* Wall. ex Stapf.

Col. No. 6047.

243295. *EPHEDRA MAJOR* Host.

Col. No. 6046.

243296. *EPHEDRA DISTACHYA* L.

Col. No. 6043.

243297 to 243307.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 4, 1957.

From the Royal Horticultural Society Gardens, Kew, England. Received as plants unless otherwise noted.

243297 to 243307—Continued**243297 to 243306.** *GAZANIA* (hybrids). Asteraceae.

243297. Col. No. 5854. 'Sunbeam'. Rays yellow; disk flowers green.

243298. Col. No. 5862. 'Snugglebunny'. Rays light orange-yellow.

243299. Col. No. 5865. No. 767. Rays glowing orange.

243300. Col. No. 5873. No. 792. Foliage silvery.

243301. Col. No. 5875. No. 794. 'Bernardette'. Rays pinkish, eye blackish green.

243302. Col. No. 5878. No. 798. Leaves gray; rays light orange.

243303. Col. No. 5888. No. 708. Rays yellow, disk flowers blackish.

243304. Col. No. 5917. No. 537. Rays mauve pink with green eye.

243305. Col. No. 5870. No. 784. Rays yellow, dark eye.

243306. Col. No. 5984. 'Joan'. Very vigorous; rays light orange.

243307. (Undetermined.)

Unnumbered. Flowers clear yellow, vigorous growth.

243308 to 243319.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 4, 1957.

Caerhays Castle Garden, Cornwall, England.

243308. *AGAPETES* sp. Vacciniaceae.

Col. No. 6019. Scrambling evergreen shrub; flowers whitish-pink, translucent; berries deep red to maroon.

243309. *HYPERICUM* (hybrid). Hypericaceae.Col. No. 6040. (*H. hookerianum rogersii* × *H. leschenaultii*) 'Rowallane'. Evergreen shrub to 4 feet high; flowers cupshaped, deep yellow.**243310.** *ILEX* × *ALTACLARENSIS* Dallim. Aquifoliaceae.**Holly.**

Col. No. 6033. Evergreen tree to 40 feet high; leaves mostly oblong, entire, somewhat undulate-margined, dark lustrous green; berries red.

243311. *ILEX CORNUTA* Lindl. & Paxt.**Chinese holly.**

Col. No. 6021. Evergreen shrub; leaves essentially square in outline with spines on the angles.

243312. *ILEX FRANCHETIANA* Loes.**Holly.**

Col. No. 6026. Evergreen tree to 25 feet high; berries red.

243313. *ILEX DIPYRENA* Wall.**Holly.**

Col. No. 6030. Evergreen tree to 20 feet high.

243314. *ILEX GEORGEI* Comber**Holly.**

Col. No. 6032.

243315. *LAURELIA SEMPERVIRENS* (Ruiz & Pav.) Tulasne Monimiaceae.

Col. No. 6028. Cold-hardy evergreen tree to 40 feet high, forming a symmetrical, densely branched tree.

243316. *PHOTINIA FLAVIDIFLORA* W. W. Smith Malaceae.

Col. No. 6023. Evergreen shrub; leaves elliptic to obovate.

243317. *PIERIS FORMOSA* (Wall.) D. Don Ericaceae.

Col. No. 6035. Evergreen shrub to 20 feet high.

243308 to 243319—Continued

243318. RHODODENDRON (hybrid). Ericaceae.

Col. No. 6039. *R.* 'Lady Alice Fitzwilliam' $\times$ *R. bullatum*. Erect evergreen shrub to 4 feet high; flowers white to pink, fragrant.

243319. RHODODENDRON (hybrid).

Col. No. 6041. 'Lady Alice Fitzwilliam'. (Maddenii hybrid.) Erect evergreen to 5 feet high; flowers fragrant.

243320. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.

From Guatemala. Seeds collected by Christian Brunn, Guatemala City. Received November 4, 1957.

243321 to 243333.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 5, 1957.

From the Caerhays Castle Garden, Cornwall, England. Received as cuttings unless otherwise noted.

243321. AGAPETES sp. Vacciniaceae.

Col. No. 6020. Scrambling evergreen shrub; flowers whitish-pink; berries deep red to maroon.

243322 and 243323. CAMELLIA $\times$ WILLIAMSH W. W. Smith Theaceae. (*C. japonica* $\times$ *C. saluenensis*)

243322. Col. No. 6034. 'J. C. Williams'. Flowers single, flattish, pale bluish pink with central yellow stamens.

243323. Col. No. 6042. 'Mary Christian'. Flowers dark pink.

243324. EUONYMUS sp. Celastraceae.

Col. No. 6022. Evergreen tree to 20 feet high.

243325. HARTIA SINENSIS Dunn. Theaceae.

Col. No. 6031. Evergreen tree to 50 feet high; flowers white. (Seed.)

243326. ILEX CORALLINA Franch. Aquifoliaceae. **Coral holly.**

Col. No. 6029. Evergreen tree to 20 feet high; twigs purplish; leaves with a peachlike aspect.

243327. ILEX FRANCHETIANA Loes.

Holly.

Col. No. 6027. Evergreen tree to 25 feet high; fruit red.

243328. ILEX PLATYPHYLLA Webb. & Berth.

Holly.

Col. No. 6024. Evergreen tree to 20 feet high; bark smooth, gray; leaves dark glossy-green; flowers white, solitary.

243329. PHOTINIA PRIONOPHYLLA (Fr.) Schneid. Malaceae.

Col. No. 6036. Evergreen shrub to 10 feet high, dense habit; berries orange.

243330. PIERIS FORMOSA var. FORRESTII Harrow Ericaceae.

Col. No. 6038. Penjerrick Garden, near Falmouth, Cornwall. Evergreen shrub to 10 feet high; young twigs red; flowers white.

243331. VACCINIUM TRICHOPHYLLA Diels Vacciniaceae.

Col. No. 6037. Spreading evergreen shrub to 24 inches high, much-branched; stems reddish; flowers white; berries black.

243332. (Undetermined.)

Col. No. 6018. Evergreen shrub to 8 feet high; branches ascending.

243333. EURYA JAPONICA Thunb. Theaceae.

Col. No. 6025. (Seed.)

243334. ARACHIS GLABRATA var. HAGENBECKII (Harms.) F. J. Herm. Fabaceae.

From Brazil. Plant growing at the Regional Plant Introduction Station, Experiment, Ga. Numbered November 7, 1957.

A colchicine-induced mutant from P.I. 163452, originally collected at the Botanical Garden, Rio de Janeiro, April 1, 1948. This mutant has no noticeable dormancy.

243335 to 243339.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Pretoria. Received November 6, 1957.

243335. LUPINUS ALBUS L. Fabaceae.

White lupine.

'Phluges Gala'.

243336 to 243338. LUPINUS ANGUSTIFOLIUS L.

Blue lupine.

243336. 'Jakkalsfontein'.

243337. 'S. E. Blue No. 1'.

243338. 'Svalofs Borre'.

243339. LUPINUS LUTEUS L.

European yellow lupine.

243340 to 243513.

From the United States. Plant material at the Potato Introduction Station, Sturgeon Bay, Wisconsin. Numbered November 6, 1957.

Localities given are the original sources of seeds.

243340 and 243341. SOLANUM CHOMATOPHILUM Bitter Solanaceae. Presented by the Direccion de Agricultura, Lima, Peru.

243340. Ochoa 1512.

243341. Ochoa 1664.

243342. SOLANUM sp.

Presented by the Inter-American Institute of Agricultural Sciences, San Jose Costa Rica.

243343 to 243359. Presented by the Department of Agriculture Science Service, Botany and Plant Pathology Laboratory, Ontario, Canada.

243343 to 243347. Received from Mexico.

243343. SOLANUM TUBEROSUM L.

Potato.

CSC 97-2. 'Criolla'. Cruz Colorada.

243344. SOLANUM BRACHYCARPUM (Correll) Correll

CSC 93. San Mateo.

243345. SOLANUM BULBOCASTANUM Dun.

CSC 26 × 27. Pedregal de San Angel, D. F.

243346. SOLANUM MORELLIFORME Bitter & Muench.

CSC 93. San Mateo.

243347. SOLANUM STOLONIFERUM Schlecht.

CSC 82. Cerro San Felipe, Oaxaca.

243348 to 243359. Received from Guatemala.

243348 to 243352. SOLANUM AGRIMONIFOLIUM Rydb.

243348. CSC 116. Above Totonicapan, Route 1, Kilometer 159, elevation 9,000 feet.

243340 to 243513—Continued**243343 to 243359—Continued****243348 to 243359—Continued****243348 to 243352—Continued**

243349. CSC 136. Mujulia, elevation 5,700 feet.

243350. CSC 145. Chemal, elevation 8,700 feet.

243351. CSC 145A. Chemal, elevation 8,700 feet.

243352. CSC 145B. Chemal, elevation 8,700 feet.

243353 and 243354. SOLANUM BULBOCASTANUM Dun.

243353. CSC 152. Zacapulas, elevation 4,950 feet.

243354. CSC 161. Santiago de Atitilan, elevation 4,200 feet.

243355. SOLANUM CLARUM Correll

CSC 138. Between Totonicapan and Los Encuentros, elevation 9,000 feet.

243356 to 243359. SOLANUM MORELLIFORME Bitter & Muench.

243356. CSC 111. Quezaltenango, elevation 7,650 feet.

243357. CSC 120. Tecpan, elevation 6,750 feet.

243358. CSC 122. Above Tecpan, elevation 7,200 feet.

243359. CSC 159. Los Encuentros, elevation 7,500 feet.

243360 to 243500. Presented by the Rockefeller Foundation Agricultural Program in Colombia, Bogota.**243360 to 243457. SOLANUM TUBEROSUM L.****Potato.**

243360. CCC 2. 'Yema'.

243361. CCC 4. 'Lizaraza Blanca'.

243362. CCC 8. 'Tocana'.

243363. CCC 21. 'Chava Negra'.

243364. CCC 22. 'Chava'.

243365. CCC 23. 'Pana Colorada'.

243366. CCC 27. 'Arbolona Negra'.

243367. CCC 28. 'Anamaria'.

243368. CCC 32. 'Pana Negra'.

243369. CCC 37. 'Anamaria'.

243370. CCC 39. 'Italiana'.

243371. CCC 43. 'Pana Blanca'.

243372. CCC 44. 'Bijagua o Morada'.

243373. CCC 49. 'Argentina'.

243374. CCC 51. 'Caiceda Careta'.

243375. CCC 52. 'Arracachuela Blanca'.

243376. CCC 54. 'Arracachuela Careta'.

243377. CCC 58. 'Pajarita Morada'.

243378. CCC 59. 'Pajarita Careta'.

243379. CCC 60. 'Tocana Blanca'.

243380. CCC 105. 'Curipamba'.

243340 to 243513—Continued**243360 to 243500—Continued****243360 to 243457—Continued**

- 243381. CCC 107. 'Leona'.
- 243382. CCC 109. 'Jabonilla'.
- 243383. CCC 112. 'Pamba Rosada'.
- 243384. CCC 114. 'Ojo de Buey o Ojona'.
- 243385. CCC 128. 'Tocanguilla'.
- 243386. CCC 132. 'Chaucha Negra'.
- 243387. CCC 137. 'Negra'.
- 243388. CCC 138. 'Brasila'.
- 243389. CCC 139. 'Jabona'.
- 243390. CCC 141. 'Pamba Blanca'.
- 243391. CCC 142. 'Pamba Morada'.
- 243392. CCC 156. 'Caricina'.
- 243393. CCC 158. 'Negra Africana'.
- 243394. CCC 160. 'Caricina'.
- 243395. CCC 161. 'Huevo de Indio'.
- 243396. CCC 162. 'Ecuatoriana'.
- 243397. CCC 165. 'Pamba Colorada'.
- 243398. CCC 170. 'Plancha Blanca'.
- 243399. CCC 194. 'Caspa'.
- 243400. CCC 196. 'Curipamba'.
- 243401. CCC 198. 'Aglodona'.
- 243402. CCC 199. 'Flora'.
- 243403. CCC 201. 'Pamba Blanca'.
- 243404. CCC 203. 'Pintada'.
- 243405. CCC 205. 'Rosada'.
- 243406. CCC 207. 'Tableada Blanca'.
- 243407. CCC 208. 'Tableada Morada'.
- 243408. CCC 209. 'Negra o Mala Noche'.
- 243409. CCC 210. 'Yungara'.
- 243410. CCC 214. 'Blanca Leche'.
- 243411. CCC 216. 'Rosa'.
- 243412. CCC 221. 'Pijagua'.
- 243413. CCC 223. 'Papás Londres'.
- 243414. CCC 243. 'Guata'.
- 243415. CCC 249. 'Guata Almidona'.
- 243416. CCC 250. 'Sabanera'.
- 243417. CCC 254. 'Guata Colorada'.
- 243418. CCC 255. 'Caretá'.
- 243419. CCC 263. 'Guata Blanca'.

243340 to 243513—Continued

243360 to 243500—Continued

243360 to 243457—Continued

243420. CCC 268. 'Guata Blanca'.
243421. CCC 269. 'Careta'.
243422. CCC 282. 'Pamba Guata'.
243423. CCC 283. 'Guata Blanca'.
243424. CCC 300. 'Palinegra'.
243425. CCC 306. 'Argentina'.
243426. CCC 308. 'Argentina'.
243427. CCC 309. 'Salentuna'.
243428. CCC 310. 'Careta Blanca'.
243429. CCC 320. 'Argentina'.
243430. CCC 330. 'Tocana Blanca'.
243431. CCC 386. 'Pajara Punte-lanza'.
243432. CCC 388. 'Congola'.
243433. CCC 398. 'Pana'.
243434. CCC 403. 'Argentina'.
243435. CCC 404. 'Pana Azul'.
243436. CCC 409. 'Mortina'.
243437. CCC 410. 'Manzana'.
243438. CCC 425.
243439. CCC 549.
243440. CCC 552.
243441. CCC 563. 'Guata Negra'.
243442. CCC 614. 'Blanca'.
243443. CCC 815. 'Leona'.
243444. CCC 821. 'Negra Ceji-Blanca'.
243445. CCC 830. 'Argentina'.
243446. CCC 833. 'Extranjera Parda'.
243447. CCC 835.
243448. CCC 925. 'Brasila-B'.
243449. CCC 926. 'Tocana Rosada'.
243450. CCC 934.
243451. CCC 936.
243452. CCC 938.
243453. CCC 939.
243454. CCC 941.
243455. CCC 948. 'Negra o Extranjera'.
243456. CCC 950. 'Azucena Legitima'.
243457. CCC 952. 'Tuquerrena'.

243340 to 243513—Continued**243360 to 243500—Continued**

243458 and 243459. *SOLANUM MALINCHENSE* Hawkes

243458. CCC 72.

243459. CCC 605.

243460 to 243468. *SOLANUM RYBINII* Juz. & Buk.

243460. CCC 80. 'Criolla Colorada'.

243461. CCC 88. 'Criolla Colorada'.

243462. CCC 117. 'Chaucha'.

243463. CCC 152. 'Tabaca Negra'.

243464. CCC 154. 'Enfamiliada'.

243465. CCC 177. 'Chaucha Blanca Redonda'.

243466. CCC 182. 'Chaucha Amarilla Redonda'.

243467. CCC 227. 'Colorada'.

243468. CCC 299. 'Chaucha Manzana'.

243469. *SOLANUM STENOTOMUM* Juz. & Buk.

CCC 698. 'Quello Luntuesa'. Peru.

243470 and 243471. *SOLANUM TUBEROSUM* L.

243470. CCC 32 × 198. 'Pana Negra' × 'Algodona'.

243471. CCC 60 × 140. 'Tocana Blanca' × 'Ojo de Buey'.

243472 to 243500. *SOLANUM* (hybrid).

243472. CCC 97 × 814. 'Empire' × *S. tuberosum* 'Ojona'.

243473. CCC 453 × 198. 'Golden' × *S. tuberosum* 'Algodona'.

243474. CCC 530 × 814. 'Redskin' × *S. tuberosum* 'Ojona'.

243475. CCC 740 × 198. 'Harford' × *S. tuberosum* 'Algodona'.

243476. CCC 754 × 330. 'Calrose' × *S. tuberosum* 'Tocana Blanca'.

243477. CCC 804 × 60. 'Ackersegen' × *S. tuberosum* 'Tocana Blanca'.

243478. CCC 853 × 60. 'Vertifolia' × *S. tuberosum* 'Tocana Blanca'.

243479. CCC 853 × 198. 'Vertifolia' × *S. tuberosum* 'Algodona'.

243480. CCC 853 × 405. 'Vertifolia' × *S. tuberosum* 'Pana Blanca'.

243481. CCC 52-8-34 × 112. ('Madison' × *S. tuberosum* 'Argentina') × *S. tuberosum* 'Pamba Rosada'.

243482. CCC 52-8-34 × 140. ('Madison' × *S. tuberosum* 'Argentina') × *S. tuberosum* 'Ojo de Buey'.

243483. CCC 334 × 112. *S. tuberosum* 'Branca Cascuda' × *S. tuberosum* 'Pamba Rosada'.

243484. CCC 334 × 198. *S. tuberosum* 'Branca Cascuda' × *S. tuberosum* 'Algodona'.

243485. CCC 50-57-67 × 44-14. (*S. tuberosum* 'Branca Cascuda' × *S. tuberosum* 'Pana Blanca') × (*S. tuberosum* 'Quincha' × *S. tuberosum* 'Tocana Colorada')

243486. CCC 671 × 140. SSRPB 1591a(25) × *S. tuberosum* 'Ojo de Buey'.

243340 to 243513—Continued

243360 to 243500—Continued

243472 to 243500—Continued

243487. CCC 748 $\times$ 39-25. SSRPB 1611a(13) $\times$ (*S. tuberosum* 'Jabonilla' $\times$ *S. tuberosum* 'Curipamba')
243488. CCC 868 $\times$ 50-57-67. USDA B3515 $\times$ (*S. tuberosum* 'Branca Cascuda' $\times$ *S. tuberosum* 'Pana Blanca')
243489. CCC 870 $\times$ 105. USDA B3519 $\times$ *S. tuberosum* 'Curipamba'.
243490. CCC 870 $\times$ 198. USDA B3519 $\times$ *S. tuberosum* 'Algodona'.
243491. CCC 870 $\times$ 948. USDA B3519 $\times$ *S. tuberosum* 'Negra o Extranjera'.
243492. CCC 870 $\times$ 949. USDA B3519 $\times$ *S. tuberosum* 'Tocana Blanca'.
243493. CCC 870 $\times$ 39-25. USDA B3519 $\times$ (*S. tuberosum* 'Jabonilla' $\times$ *S. tuberosum* 'Curipamba')
243494. CCC 881 $\times$ 50-57-96. USDA B3548 $\times$ (*S. tuberosum* 'Branca Cascuda' $\times$ *S. tuberosum* 'Pana Blanca')
243495. CCC 888 $\times$ 60. USDA B1416 $\times$ *S. tuberosum* 'Tocana Blanca'.
243496. CCC 888 $\times$ 112. USDA B1416 $\times$ *S. tuberosum* 'Pamba Rosada'.
243497. CCC 888 $\times$ 39-25. USDA B1416 $\times$ (*S. tuberosum* 'Jabonilla' $\times$ *S. tuberosum* 'Curipamba')
243498. CCC 50-23-2 $\times$ 307. ((*S. demissum* $\times$ *S. tuberosum* 'Tuquerena') $\times$ *S. tuberosum* 'Tocana') $\times$ *S. tuberosum* 'Argentina'.
243499. CCC 53-5-2. *S. malinchense* $\times$ *S. tuberosum* 'Tocana Blanca'.
243500. CCC 53-12-25. *S. malinchense* $\times$ *S. rybinii* 'Colorada Blanca' $\times$ *S. rybinii* 'Colorada'.

243501 and 243502. Presented by the Ministerio de Agricultura, Servicio Agrícola Interamericano, "La Tamborada" Experiment Station, Cochabamba, Bolivia. Received June 1, 1957.

243501. SOLANUM ALANDIAE Card.

Collected at Kilometer 144, Carrasco, Cochabamba, Bolivia. Elevation 9,000 feet.

243502. SOLANUM CANDOLLEANUM P. Berth.

Kotanani near Tacacoma, Larecaja, La Paz, Bolivia. Elevation 8,100 feet. April 1957.

243503. SOLANUM COMMERSONII Dunal ex Poir.

Presented by the Ministerio de Agricultura y Ganderia, Laboratorio de Fitopatología del Delta del Parana, Campana, Buenos Aires, Argentina. Received July 10, 1957. Growing spontaneously in the Delta of the Parana River, near Buenos Aires, Argentina.

243504 to 243513. SOLANUM BULBOCASTANUM Dun.

Presented by the Natural Sciences Division, Rockefeller Foundation, Mexico D. F., Mexico. Received July 11, 1957.

- | | |
|-------------------------------|------------------------------|
| 243504. S-360 $\times$ S-395. | 243509. S-395 $\times$ S-398 |
| 243505. S-361 $\times$ S-359. | 243510. S-397 $\times$ S-359 |
| 243506. S-362 $\times$ S-361. | 243511. S-397 $\times$ S-360 |
| 243507. S-386 $\times$ S-362. | 243512. S-398 $\times$ S-359 |
| 243508. S-395 $\times$ S-359. | 243513. S-398 $\times$ S-379 |

243514 to 243551. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seeds presented by the Regional Soybean Breeding Laboratory, Tokati Branch of Hokkaido Agricultural Experiment Station, Obihiro, Hokkaido.

Originally from the Experimental Farm, Omagari.

243514. 'Abura-mame'.	243533. 'Karimame'.
243515. 'Achumuri'.	243534. 'Kimusume'.
243516. 'Akanedzumime'.	243535. 'Kura-kake'.
243517. 'Akazuka'.	243536. 'Madara'.
243518. 'Ao'.	243537. 'Miyako'.
243519. 'Aobishi'.	243538. 'Nedzumi-meta'.
243520. 'Aomame'.	243539. 'Omejiro'.
243521. 'Aoturunoko'.	243540. 'Sennari'.
243522. 'Beni-iro-daizu'.	243541. 'Shokujo'.
243523. 'Cha'.	243542. 'Shiro-hackikoku'.
243524. 'Dateao'.	243543. 'Shonai-wase'.
243525. 'Fukui-shiro'.	243544. 'Takiya'.
243526. 'Ginpaku'.	243545. 'Tanishi'.
243527. 'Goishi'.	243546. 'Tora-mame'.
243528. 'Goku-ao'.	243547. 'Toyo-naga'.
243529. 'Goyo'.	243548. 'Uma-daidzu'.
243530. 'Haiiro'.	243549. 'Wearucong'.
243531. 'Juseita'.	243550. 'Yoshioka'.
243532. 'Kariha-takiya'.	243551. 'Yukino-shita'.

243552. STENOTAPHRUM SECUNDATUM (Walt.) Kuntze Poaceae. St. Augustinegrass.

From the Union of South Africa. Plants presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria.

B-53246.

243553 to 243555.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md.

243553. AGAVE POLYACANTHA Haw. Amaryllidaceae.

Col. No. 12269. 15 miles east of Jacala, Hidalgo.

243554. AGAVE sp.

Col. No. 8013. Sierra Charuco, Sonora.

243555. AGAVE sp.

Col. No. 10304. Arroyo Purissima, Baja California.

243556 to 243558.

From the United States. Seeds collected by O. F. Reed, Texas.

243556. MANFREDIA MACULOSA (Hook.) Rose Amaryllidaceae.

Col. No. 1211. College Station.

243556 to 243558—Continued**243557 and 243558.** *MANFREDA VARIEGATA* (Jacobi) Rose.**243557.** Col. No. 1213.**243558.** Col. No. 1214.**243559.** *STIFFTIA CHRYSANTHA* Mikan Asteraceae.

From Ceylon. Seeds presented by the Royal Botanic Gardens, Peradeniya.

243560. *SORGHUM VERTICILLIFLORUM* (Steud.) Stapf Poaceae.**Tabucki grass.**

From Nyasaland Protectorate. Seeds held at the United States Sugar Crop Field Station, Meridian, Mississippi.

Originally from 12 miles north of Blantyre.

N. N. 1977. Caryopsis small, oval, dark brown, awned; glumes black, very hairy.

243561 and 243562. *NICOTIANA RUSTICA* L. Solanaceae.**Aztec tobacco.**

From Peru. Seeds presented by the Extension Advisor, American Embassy, Lima.

243561. Cajamarca highlands.**243562.** From plants collected over 3,000 meters elevation.**243563.** *CHRYSANTHEMUM* sp. Asteraceae.

From China. Cuttings presented by the International Cooperation Administration, University of California Advisory Team, National Taiwan University, Taipei.

Taiwan No. 9. 'The Happy God'. A deep red standard.

243564. *CHRYSANTHEMUM* sp.

From Japan. Cuttings presented by N. Takahashi, Mishima, Shizuoka. Takahashi No. A6. Flowers purple, tubular.

243565 to 243569. *GOSSYPIUM* (hybrid). Malvaceae.**Cotton.**

From France. Seeds presented by the Institut de Recherches du Cotton et des Textiles Exotiques, Paris.

Originated at the Agricultural Experiment Station, Bouake, Ivory Coast, West Africa.

243565. No. 1.**243568.** No. 15.**243566.** No. 5. Selfed.**243569.** No. 30.**243567.** No. 5. Open.**243570 and 243571.**

From Iran. Seeds collected by H. S. Gentry and E. E. Smith, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md.

243570. *DACTYLIS GLOMERATA* L. Poaceae.**Orchardgrass.**

A selection from P.I. 222526. Plant erect, not leafy, medium vigor, medium crown width, relatively late, good fall recovery; leaf spot infection moderate.

243571. *TRIFOLIUM REPENS* L. Fabaceae.**White clover.**

A selection from P.I. 230274. Plant prostrate, spreading, vigor good, mid-season, medium hardy, good spring recovery, poor fall recovery; leaves small.

243572 to 243794.

From Iran. Seeds presented by the Food and Agricultural Operations, Tehran.
Received November 6, 1957.

243572 to 243629. HORDEUM sp. Poaceae.

Barley.

243572. No. 5345. Tabriz.

243573. No. 5347. Khoy.

243574. No. 5450. Miandoab.

243575. No. 5352. Moghan.

243576. No. 5358. Brujerd.

243577 to 243580. Miandoab.

243577. No. 5366.

243578. No. 5378.

243579. No. 5379.

243580. No. 5380.

243581. No. 5381. Ardabil.

243582. No. 5382. Torbat-Jam.

243583. No. 5383. Kerend.

243584 and 243585. Torbat-Haydarieh.

243584. No. 5384.

243585. No. 5385.

243586. No. 5386. Zabol.

243587. No. 5387. Extahard.

243588. No. 5418. Kerman.

243589. No. 5434. Behshar.

243590. No. 5435. Extahard.

243591 and 243592. Erbalieh.

243591. No. 5436.

243592. No. 5437.

243593. No. 5438. Meymunabad.

243594. No. 5439. Chimban.

243595. No. 5440. Zakhiaabad.

243596. No. 5441. Yazd.

243597. No. 5442. Isfahan.

243598 to 243600. Ghazvin.

243598. No. 5443.

243600. No. 5445.

243599. No. 5444.

243601. No. 5525. Marand.

243602 and 243603. Maragen.

243602. No. 5526.

243603. No. 5527.

243604. No. 5528. Tabriz.

243605. No. 5529. Ghazvin.

243572 to 243794—Continued**243572 to 243629—Continued****243606 and 243607.** Sabzevar.**243606.** No. 5530.**243607.** No. 5531.**243608 to 243616.** Bojnourd.**243608.** No. 5532.**243613.** No. 5537.**243609.** No. 5533.**243614.** No. 5538.**243610.** No. 5534.**243615.** No. 5539.**243611.** No. 5535.**243616.** No. 5540.**243612.** No. 5536.**243617 to 243622.** Meshed.**243617.** No. 5541.**243620.** No. 5544.**243618.** No. 5542.**243621.** No. 5545.**243619.** No. 5543.**243622.** No. 5546.**243623.** No. 5547. Share-Kord.**243624.** No. 5548. Golpayegan.**243625.** No. 5557. U.S.A.**243626 to 243629.** Azerbaijan.**243626.** No. 5558.**243628.** No. 5560.**243627.** No. 5559.**243629.** No. 5561.**243630 and 243631.** SECALE CEREALE L. -Poaceae.**Rye.****243630.** No. 5480. Khoy.**243631.** No. 5503. Semnan.**243632 to 243789.** TRITICUM AESTIVUM L. Poaceae.**Common wheat.****243632.** No. 5335.**243633.** No. 5336.**243634.** No. 5337.**243635.** No. 5338.**243636.** No. 5339.**243637.** No. 5340.**243638.** No. 5341.**243639.** No. 5342.**243640.** No. 5343.**243641.** No. 5344. Tabriz.**243642.** No. 5346. Khoy.**243643 and 243644.** Rezayeh.**243643.** No. 5348.**243644.** No. 5349.**243645.** No. 5351. Astara.**243646 and 243647.** Brujerd.**243646.** No. 5353.**243647.** No. 5354.

243572 to 243794—Continued**243632 to 243789—Continued**

243648 and 243649. Sahneh.

243648. No. 5355.

243649. No. 5356.

243650. No. 5357. Harsin.

243651. No. 5359. Khoramabad.

243652. No. 5360. Golpayegan.

243653. No. 5361.

243654. No. 5362. Khoramabad.

243655. No. 5363. Dashte-Mishan.

243656. No. 5364. Cheyeni.

243657. No. 5365. Tarhan.

243658. No. 5367. Sahneh.

243659. No. 5368. Hamadan.

243660. No. 5369. Saveh.

243661. No. 5371. Hyadarieh.

243662. No. 5372. Torbat-Jam.

243663 and 243664. Ghasre-Shirin.

243663. No. 5373.

243664. No. 5374.

243665. No. 5375. Hamadan.

243666. No. 5376. Esfarayen.

243667. No. 5377. Siahdohon.

243668. No. 5388. Sabzevar.

243669. No. 5389. Behbahan.

243670. No. 5390. Kerman.

243671. No. 5391. Khoy.

243672 and 243673. Shahbatar.

243672. No. 5392.

243673. No. 5394.

243674 and 243675. Dezaj.

243674. No. 5396.

243675. No. 5397.

243676. No. 5398. Shahbatar.

243677 to 243679. Saveh.

243677. No. 5399.

243678. No. 5400.

243679. No. 5401.

243680. No. 5402. Behbahan.

243681. No. 5404. Dezful.

243682. No. 5405.

243683. No. 5406.

243572 to 243794—Continued**243632 to 243789—Continued**

- 243684. No. 5407. Birjand.
- 243685. No. 5408. Torbat-Jam.
- 243686. No. 5409. Kashvar.
- 243687. No. 5411. Hamadan.
- 243688. No. 5412. Kan.
- 243689. No. 5413. Hamadan.
- 243690. No. 5414. Ghasre-Shirin.
- 243691. No. 5415. Kermanshah.
- 243692. No. 5416. Ghasre-Shirin.
- 243693. No. 5417. Kermanshah.
- 243694 and 243695. Azerbaijan.

243694. No. 5419.

243695. No. 5420.

- 243696. No. 5421. Shahi.
- 243697. No. 5422. Sari.
- 243698. No. 5423. Chubak.
- 243699. No. 5424. Khalkhal.
- 243700. No. 5425. Hamadan.
- 243701. No. 5426. Isfahan.

243702 to 243704. Shiraz.

243702. No. 5427.

243703. No. 5428.

243704. No. 5429.

243705 to 243707. Bakhtiari.

243705. No. 5430.

243706. No. 5431.

243707. No. 5432.

243708. No. 5433. Songhorabad.**243709. No. 5446. Iraq.****243710. No. 5447. Aedestan.****243711. No. 5448. Hamadan.****243712. No. 5449. Bahbahan.****243713. No. 5450. Isfajam.****243714. No. 5451. Shahre-Kord.****243715 and 243716. Natanz.**

243715. No. 5452.

243716. No. 5453.

243717 and 243718. Isfahan.

243717. No. 5454.

243718. No. 5455.

243572 to 243794—Continued**243632 to 243789—Continued**

243719 to 243721. Kermanshah.

243719. No. 5456.

243720. No. 5457.

243721. No. 5458.

243722. No. 5459. Tabriz.

243723. No. 5461. Khoy.

243724 to 243726. Marageh.

243724. No. 5462.

243725. No. 5463.

243726. No. 5464.

243727 and 243728. Ahar.

243727. No. 5466.

243728. No. 5467.

243729 and 243730. Ghazvin.

243729. No. 5468.

243730. No. 5469.

243731 to 243733. Mianeh.

243731. No. 5470.

243732. No. 5471.

243733. No. 5472.

243734 and 243735. Tabriz.

243734. No. 5473.

243735. No. 5474.

243736 to 243739. Marand.

243736. No. 5475.

243737. No. 5476.

243738. No. 5477.

243739. No. 5478.

243740. No. 5479. Meshed.

243741 to 243747. Maku.

243741. No. 5481.

243742. No. 5482.

243743. No. 5483.

243744. No. 5484.

243745. No. 5485.

243746. No. 5486.

243747. No. 5487.

243748. No. 5488. Khoy.

243749. No. 5489. Marageh.

243750. No. 5490. Ghazvin.

243751. No. 5491. Sari.

243572 to 243794—Continued**243632 to 243789—Continued****243752 and 243753.** Gorgan.

243752. No. 5492.

243753. No. 5493.

243754 to 243758. Meshed.

243754. No. 5494.

243755. No. 5495.

243756. No. 5496.

243757. No. 5497.

243758. No. 5498.

243759. No. 5499. Sabzevar.**243760 and 243761.** Shahrud.

243760. No. 5500.

243761. No. 5501.

243762. No. 5502. Semnan.**243763 to 243765.** Alborz.

243763. No. 5504.

243764. No. 5505.

243765. No. 5506.

243766 and 243767. Shahre-Kord.

243766. No. 5507.

243767. No. 5508.

243768. No. 5509. Azerbaijan.**243769 and 243770.** Golpayegan.

243769. No. 5510.

243770. No. 5511.

243771 and 243772. Khotamabad.

243771. No. 5512.

243772. No. 5513.

243773 and 243774. Meshed.

243773. No. 5514.

243774. No. 5515.

243775. No. 5518. Shahre-Kord.**243776 to 243778.** Golpayegan.

243776. No. 5519.

243777. No. 5520.

243778. No. 5521.

243779 and 243780. Mianeh.

243779. No. 5522.

243780. No. 5523.

243781. No. 5524. Marageh.

243572 to 243794—Continued**243632 to 243789—Continued****243782 to 243789. Azerbaijan.**

243782. No. 5549.

243783. No. 5550.

243784. No. 5551.

243785. No. 5552.

243786. No. 5553.

243787. No. 5554.

243788. No. 5555.

243789. No. 5556.

243790 to 243794. TRITICUM DURUM Desf.**Durum wheat.**

243790. No. 5370. Songhor.

243791 and 243792. Bojnourd.

243791. No. 5403.

243792. No. 5410.

243793. No. 5460. Khoy.

243794. No. 5465. Ahar.

243795 to 243801.

From France. Seed presented by the Institut be Botanique, Strasbourg.

Received November 7, 1957.

243795. *MERCURIALIS ANNUA* L. Euphorbiaceae.243796. *ONOBRYCHIS ARENARIA* DC. Fabaceae.243797. *PENSTEMON BARBATUS* (Cav.) Roth Scrophulariaceae.243798. *PENSTEMON HIRSUTUS* Willd.243799. *STIPA CAPILLATA* L. Poaceae.**Needlegrass.**243800. *VERBASCUM PHLOMOIDES* L. Scrophulariaceae.243801. *VERNONIA FASCICULATA* Michx. Asteraceae.**243802 to 243805.**

From the British West Indies. Seeds presented by the Imperial College of Tropical Agriculture, Trinidad. Received November 7, 1957.

243802. *PANICUM MAXIMUM* Jacq. Poaceae.**Guineagrass.**243803. *PASPALUM PLICATULUM* Michx. Poaceae.**Black grass.**243804 and 243805. *PASSIFLORA EDULIS* Sims Passifloraceae.**Purple granadilla.**

243804. No. 1.

243805. No. 2.

243806 to 243840.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 8, 1957.

From the Royal Botanical Garden, Kew, England, unless otherwise noted. Received as cuttings unless otherwise noted.

243806. *BERBERIS LEPIDIFOLIA* Ahrendt Berberidaceae.**Barberry.**

Col. No. 6081. Evergreen shrub to 8 feet high; branches arching; leaves linear.

243806 to 243840—Continued

243807 to 243810. Myddleton House Gardens near Enfield, Herts, England.

243807. *CHLOROPHYTUM BOWKERI* Baker Liliaceae.

Col. No. 6090. Rhizomatous perennial to 4 feet high; leaves to 3 inches wide; flowers greenish.

243808. *COLCHICUM CILICICUM* U. Dammer Melanthiaceae.

Col. No. 6091. Flowers white.

243809. *COLCHICUM SPECIOSUM* Stev.

Col. No. 6086. 'Rubrum'. Deep purplish form; excellent.

243810. *CYCLAMEN GRAECUM* Link Primulaceae.

Col. No. 6087.

243811. *CYCLAMEN ROHLFSIANUM* Aschers.

Col. No. 6089. Chelsea Physic Garden, London, England. Leaves dark green, orbicular-mottled.

243812. *DISTYLIMUM RACEMOSUM* Sieb. & Zucc. Hamamelidaceae.

Col. No. 6079. Evergreen shrub to 15 feet high.

243813. $\times$ *GAULTHETTYA WISLEYENUS* (Marchant) Rehd. Ericaceae.

Col. No. 6078. *Gaultheria shallon* $\times$ *Pernettya mucronata*. Spreading evergreen shrub to two feet high.

243814. *GUNNERA CHILENSIS* Lam. Haloragidaceae. **Chilean gunnera.**

Col. No. 6059. Caerhays Castle Garden, near St. Austell, Cornwall. Coarse rhizomatous perennial; leaves to ten feet long, blades three feet wide.

243815. *ILEX* $\times$ *ALTAACLARENSIS* Dallim. Aquifoliaceae. **Holly.**

Col. No. 6069. 'Camelliaefolia'. Tree to 30 feet high; leaves entire lustrous green, flat; berries bright red. (Pistillate.)

243816 to 243824. *ILEX AQUIFOLIUM* L. **English holly.**

243816. Col. No. 6067. 'Angustifolium'. Leaves mostly flat, uniformly spiny toothed, dark lustrous green; fruit small. (Pistillate.)

243817. Col. No. 6074. 'Aurea Marginata'. Leaves yellow margined coarsely spiny-undulate. (Pistillate.)

243818. Col. No. 6073. 'Ferox'. (Staminate.)

243819. Col. No. 6072. 'Ferox Argentea'. Leaves silvery margined. (Staminate.)

243820. Col. No. 6080. 'Ferox Aurea'. Leaves yellowish-green margined. (Staminate.)

243821. Col. No. 6076. 'Latispina Major'. (Staminate.)

243822. Col. No. 6066. 'Maderensis Variegata'. Leaves mostly ovate, coarsely spiny-toothed, variously yellowish-green mottled; berries red. (Pistillate.)

243823. Col. No. 6065. 'Pyramidalis'. Evergreen bush to 10 feet high, forming a narrow pyramid; branches mostly ascending; berries turn red early October. (Pistillate.)

243824. Col. No. 6075. 'Pyramidalis Fructo-Luteo'. Plant with a pyramidal habit; fruit yellow. (Pistillate.)

243825. *ILEX* $\times$ *ALTAACLARENSIS* Dallim. **Holly.**

Col. No. 6062. Leaves larger than normal.

243826. *ILEX CILIOSPINOSA* Loes.

Col. No. 6063. Evergreen tree to 15 feet high.

243806 to 243840—Continued

- 243827.** *ILEX CRENATA* var. *NUMMULARIA* (Fr. & Sav.) Yatabe **Holly.**
Col. No. 6085. Evergreen shrub; twigs reddish.

- 243828.** *ILEX INTEGRATA* Thunb.

Col. No. 6068. Small tree; leaves all entire, ovate.

- 243829.** *ILEX* × *ALTAACLARENSIS* Dallim. **Holly.**

Col. No. 6064. 'Nobilis Variegata'. Evergreen shrub to 20 feet high; leaves mottled yellow, sparsely spiny near the top; berries red.

- 243830 to 243832.** *ILEX PERNYI* Franch. **Holly.**

243830. Col. No. 6060. Small evergreen tree; leaves nearly flat.

243831. Col. No. 6061. Leaves small.

243832. Col. No. 6071. Leaves mostly recurved.

- 243833 and 243834.** *ILEX* × *ALTAACLARENSIS* Dallim. **Holly.**

243833. Col. No. 6058. 'Nigrescens'. Evergreen tree to 30 feet high; leaves variously spiny-toothed, sometimes entire.

243834. Col. No. 6070. Leaves thick, leathery, dark green above, sparingly toothed.

- 243835.** *ILEX PURPUREA* Hassk. **Holly**

Col. No. 6084.

- 243836.** *ILEX* sp.

Col. No. 6083.

- 243837.** *NARCISSUS SEROTINUS* L. Amaryllidaceae.

Col. No. 6097. Vicinity of Palermo, Sicily. Bulbous perennial; flowers white.

- 243838.** *NERINE SARNIENSIS* (L.) Herbert Amaryllidaceae. **Guernsey-lily.**

Col. No. 6088. Vigorous plant; flower heads to 4 inches across, pink.

- 243839.** *OSMANTHUS* × *FORTUNEI* Carr. Oleaceae.

Col. No. 6077. *O. fragrans* × *O. heterophyllus*. Evergreen shrub to 8 feet tall, much-branched; leaves to 3 inches long, strongly spine-toothed, lustrous green above; flowers white, very fragrant.

- 243840.** *SARCOCOCCA HOOKERIANA* var. *DIGYNA* Franch. Buxaceae.

Col. No. 6082. Evergreen shrub to 3 feet high, forming a dense much-branched bush.

243841 to 243843.

From the British West Indies. Plants presented by the Imperial College of Tropical Agriculture, St. Augustine, Trinidad. Received November 18, 1957.

- 243841.** *MUCUNA NOVAGUINENSIS* Scheff. Fabaceae.

- 243842.** *MUCUNA ROSTRATA* Benth.

- 243843.** *ODONTADENIA GRANDIFLORA* Miquel Apocynaceae.

- 243844.** *ILEX* × *ALTAACLARENSIS* Dallim. Aquifoliaceae. **Holly.**

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 8, 1957.

(Unnumbered.) Branches with berries.

243845 to 243860.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 12, 1957.

From Kew, England. Received as cuttings unless otherwise noted.

243845. *GLEICHENIA LINEARIS* (Burm.) C. B. Clarke Gleicheniaceae.

Col. No. 6106. Rhizomatous fern to 24 inches high; best cultivated in osmundine or masses of coarse fern roots.

243846. *SELAGINELLA BIFORMIS* A. Br. Selaginellaceae.

Col. No. 6112. Rhizomatous creeper. Propagate by layering.

243847. *SELAGINELLA COMMUTATA* v. A. & v. R.

Col. No. 6108. Erect to 6 inches high; fibrous-rooted. Propagate as stem cuttings.

243848. *SELAGINELLA PALLESCENS* f. *AUREA* (J. Hill) Alston

Col. No. 6111. Rhizomatous creeper. Propagate by layering.

243849. *SELAGINELLA ERYTHROPUS* (Mart.) Spring.

Col. No. 6109. Rhizomatous creeper. Propagate by layering.

243850. *SELAGINELLA HAEMATODES* (Kuntze) Spring.

Col. No. 6105. Rhizomatous creeper. Propagate by layering.

243851. *SELAGINELLA MARTENSII* Spring.

Col. No. 6113. Fibrous-rooted; erect. Propagate by stem cuttings. Native of Mexico.

243852. *SELAGINELLA MICRODENDRON* Bak.

Col. No. 6101. Rhizomatous creeper. Propagate by layering.

243853. *SELAGINELLA MYOSURUS* (Sw.) Alston

Col. No. 6100. Rhizomatous creeper and climber. Propagate by layering. Native of Ghana.

243854. *SELAGINELLA PLANA* (Desv.) Hieron.

Col. No. 6103. Fibrous-rooted, erect. Propagate by stem cuttings. Native of tropical Asia.

243855. *SELAGINELLA PULCHERRIMA* Liebm.

Col. No. 6107. Rhizomatous creeper. Propagate by layering.

243856. *SELAGINELLA* sp.

Col. No. 6110. 'Stansfieldii'. Fibrous-rooted, erect. Propagate by stem cuttings.

243857. *SELAGINELLA UMBROSA* Lemaire

Col. No. 6099. Rhizomatous creeper. Propagate by layering.

243858. *SELAGINELLA VERSICOLOR* Spring.

Col. No. 6098. Rhizomatous creeper. Propagate by layering. Native of Ghana.

243859. *SELAGINELLA WALLICHII* (Hook. & Grev.) Spring.

Col. No. 6102. Rhizomatous creeper, erect, to 2 feet high. Propagate by layering. Native to tropical Asia.

243860. *SELAGINELLA MARTENSII* f. *ALBO-LINEATA* (Moore) Alston

Col. No. 6104. Propagate by stem cuttings.

243861 to 243878.

From Great Britain and Portugal. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 11, 1957.

From Caerhays Castle Garden, Cornwall, England, unless otherwise noted.

243861. *CAMELLIA RETICULATA* Lindl. Theaceae. **Netvein camellia.**

Col. No. 6096. (Wild form) Large evergreen shrub to 15 feet high.

243862. *CAMELLIA SALUENENSIS* Stapf

Col. No. 6093. Evergreen shrub to 15 feet tall; leaves oblong, shining dark green; flowers white, rose, or carmine, about 3 inches wide.

243863. *CORNUS CAPITATA* Wall. Cornaceae. **Evergreen dogwood.**

Col. No. 6092. Penjerrick Gardens, near Falmouth, Cornwall, England. Deciduous tree to 30 feet high, floral bracts white.

243864. *ILEX DIPHYRENA* Wall. Aquifoliaceae. **Holly.**

Col. No. 6011. Evergreen tree to 25 feet high; berries red.

243865. *ILEX INSIGNIS* Hook. f.

Col. No. 6014. Evergreen tree to 15 feet high; branches grayish-white, smooth; leaves elliptic, very finely serrate, furrowed above, dull green; fruit red.

243866 and 243867. *MAGNOLIA CAMPBELLII* Hook. f. & Thoms. Magnoliaceae.

243866. Col. No. 6052. 'Alba'. Deciduous tree to 40 feet high; flowers white.

243867. Col. No. 6055. Deciduous tree to 40 feet high; flowers pink.

243868 to 243870. Mr. George H. Johnstone's garden, Cornwall, England.

243868. *MAGNOLIA DAWSONIANA* Rehd. & Wils.

Col. No. 6051. Deciduous tree to 40 feet high; flowers pink.

243869 and 243870. *MAGNOLIA GLOBOSA* Hook. f. & Thoms.

243869. Col. No. 5968. Large spreading shrub to 15 feet high.

243870. Col. No. 6050. Deciduous tree to 15 feet high.

243871 and 243872. *MAGNOLIA MOLLIOMATA* W. W. Smith

243871. Col. No. 6094. Deciduous tree to 40 feet high; flowers pink.

243872. Col. No. 6095. Deciduous tree to 40 feet high; flowers pink.

243873 to 243875. *MAGNOLIA SARGENTIANA* Rehd. & Wils.

243873. Col. No. 6049. Mr. George H. Johnstone's garden, Cornwall, England. Deciduous tree to 40 feet high; flowers white.

243874. Col. No. 6053. Tree to 40 feet high; flowers pink.

243875. Col. No. 6054. Mr. George H. Johnstone's garden, Cornwall, England. Tree to 40 feet high; flowers pink.

243876. *MAGNOLIA GLOBOSA* Hook. f. & Thoms.

Col. No. 6000. Large deciduous shrub; leaves whitish, pubescent beneath.

243877. *MELIOSMA VEITCHIUM* Hemsl. Sabiaceae.

Col. No. 6016. Deciduous tree to 20 feet high; fruit purplish-black, size of a concord grape.

243878. *POLYGALA MICROPHYLLA* L. Polygalaceae.

Col. No. 6048. Near the Rio Vieja, northern Portugal. Spreading perennial to 8 inches high, forming a rosette; flowers indigo blue.

243879 to 243882.

From Great Britain. Plants presented by Perry's Hardy Plant Farm, Enfield, Middlesex, England. Received November 12, 1957.

243879. *APONOGETON LEPTOSTACHYUM* Mey. Aponogetonaceae.

243880. *GUNNERA MANICATA* Linden Haloragidaceae. **Great gunnera.**

243881. *SCIRPUS ENUNDATUS* Poir. Cyperaceae.

243882. *SCIRPUS* sp.

243883. *PERSEA AMERICANA* Mill. Lauraceae. **Avocado.**

From Morocco. Budsticks presented by the Institut Francais de Recherches Fruitieres, Rabat. Received November 12, 1957.

Fuerte $\times$ Caliente hybrid. 'Fuca'.

243884. *MEDICAGO TRIBULOIDES* Desr. Fabaceae. **Barrel medic.**

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received November 12, 1957.

'Barrel Medic 173'.

243885 to 243899.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 12, 1957.

From John Innes Horticultural Institute, Hertfordshire. Received as cuttings unless otherwise noted.

243885. *BEAUFORTIA SPARSA* R. Br. Myrtaceae.

Col. No. 6125. Heathlike evergreen shrub to 6 feet high; flowers scarlet.

243886. *BOUVARDIA LONGIFLORA* (Cav.) H. B. K. Rubiaceae.

Col. No. 6118. Perennial; flowers white.

243887. *BOUVARDIA* sp.

Col. No. 6120. 'Pink Giant'. Perennial; flowers deep pink.

243888. *BOUVARDIA* sp.

Col. No. 6119. 'Rosalinda'. Perennial; flowers light salmon-pink.

243889. *CESTRUM* sp. Solanaceae.

Col. No. 6116. 'Newelii'. Large evergreen shrub; foliage and stems pubescent; flowers vermillion.

243890. *CYANOTIS BARBATA* D. Don. Commelinaceae.

Col. No. 6114. Spreading perennial; stems succulent; leaves lanceolate, acuminate; flowers blue.

243891. *DOMBEYA* $\times$ *CAYEUXII* Andre Sterculiaceae.

Col. No. 6115. *D. masterii* $\times$ *D. wallichii*. Small tree; flowers pink.

243892. *MACLEANEA PUNCTATA* Hook. f. Vacciniaceae.

Col. No. 6126. Scrambling evergreen shrub on rocks; lustrous green above; flowers agapetes-like.

243893. *TRIOGANDRA GRANDIFLORA* (Donn. Smith) R. E. Woodson Commelinaceae.

Col. No. 6117. Sprawling perennial; stems wiry; leaves lustrous green; flowers whitish.

243894. *PASSIFLORA* $\times$ *ALLARDII* Chitt. Passifloraceae.

Col. No. 6124. *P. coerulea-racemosa* $\times$ *P. quadrangularis*. Flowers white shaded pink; corona white and dark purple.

243885 to 243899—Continued**243895.** *PASSIFLORA MIXTA* L. f.**Passionflower.**

Col. No. 6122. Vigorous climber; flowers tubular, to 5 inches long, pink.

243896. *PASSIFLORA SUBEROSA* L.**Cork passionflower.**

Col. No. 6128. Rank growing vine; flowers greenish; fruit black. (Seeds.)

243897. *PASSIFLORA* (hybrid).Col. No. 6121. *P. quadrangularis* × *P. caerulea*. 'John Innes'.**243898.** *PENTAPTERYGUM* (hybrid). *Vacciniaceae*.Col. No. 6123. *P. rugosum* × *P. serpens*. 'Ludgvan'. Scrambling evergreen shrub to 10 feet high; leaves lustrous green above; flowers clustered in 2's to 6's, pendulous, cream, red-veined; calyx green and pink.**243899.** *TRADESCANTIA FLUMINENSIS* Vell. *Commelinaceae*.

Col. No. 6127. Leaves variously green, white striped and pink, vermillion below.

243900. *DIOSCOREA* sp. *Dioscoreaceae*.

From the United States. Seed collected by H. S. Gentry and E. P. Imle, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 13, 1957.

Col. No. 16889. Small vines from tuberous roots, climbing to 7 feet on shrubs in wooded bottom land.

243901 to 243906.

From the British West Indies. Seeds presented by the Imperial College of tropical Agriculture, St. Augustine, Trinidad. Received November 14, 1957.

243901. *ANDROPOGON GAYANUS* Kunth *Poaceae*.**Bluestem.****243902 to 243905.** *CHLORIS GAYANA* Kunth *Poaceae*.**Rhodesgrass.****243902.** No. 1.**243903.** No. 2. (Ex-Kenya)**243904.** No. 3. (Katambora Rhodes)**243905.** No. 4. (Ex-Uganda)**243906.** *PANICUM ANTIDOTALE* Retz. *Poaceae*.**243907 to 243916.**

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received November 13, 1957.

243907. *ELEUSINE CORACANA* (L.) Gaertn. *Poaceae*.**Ragi.****243908 to 243912.** *ERAGROSTIS TEF* (Zuccagni) Trotter *Poaceae*.**Teff.****243908.** No. 1. 'Magna'. The whitest of all forms.**243909.** No. 2. 'Sergeyna'. A shade darker than 'Magna'.**243910.** No. 3. Gray-white teff, without local name.**243911.** No. 4. Black and white teff.**243912.** No. 5. Black teff.**243913.** *ERUCASTRUM ABYSSINICUM* (A. Rich.) O. E. Schulz *Brassicaceae*.**243914.** *GUIZOTIA ABYSSINICA* (L.f.) Cass. *Asteraceae*.**243915.** *HAGENIA ABYSSINICA* (Bruce) J. F. Gmel. *Rosaceae*.**243916.** *RHAMNUS PRINOIDES* L'Her. *Rhamnaceae*.**Buckthorn.**

243917. NEOGLAZIOVIA VARIEGATA (Arruda) Mex Bromeliaceae.

From Brazil. Plants presented by the Instituto Agronomico do Santo Paulo, Campinas, Sao Paulo. Received November 14, 1957.

243918 and 243919.

From the Union of South Africa. Bulbs presented by the Division of Botany, Pretoria, Transvaal. Received November 14, 1957.

243918. HAEMANTHUS AMARYLLOIDES Jacsq. Amaryllidaceae.

No. 1.

243919. HAEMANTHUS sp.

No. 2.

243920. DIOSCOREA MACROSTACHYA Benth. Dioscoreaceae. Yam.

From Honduras. Tubers presented by an unknown donor. Received November 15, 1957.

243921 to 243935. SORGHUM VULGARE Pers. Poaceae.

From India. Seeds presented by the Agricultural Research Station, Lam Farm, Andra State. Received November 18, 1957.

243921. AKP 1.	243939. N 3.
243922. AS 4003.	243930. N 7.
243923. Co 1.	243931. N 8.
243924. Co 5.	243932. N 9.
243925. G 1.	243933. N 10.
243926. G 3.	243934. N 11.
243927. N 1.	243935. NJ 1031.
243928. N 2.	

243936 and 243937.

From Turkey. Seeds collected by Justice William O. Douglas, Supreme Court of the United States. Received November 18, 1957.

From the Geleman State Farm, Samsun.

243936. CAPSICUM FRUTESCENS L. Solanaceae.

Redpepper.

243937. PRUNUS MAHALEB L. Amygdalaceae.

Mahaleb cherry.

243938 to 244005.

From Great Britain. Collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 18, 1957.

From the Royal Botanical Garden, Kew, England, unless otherwise noted. Received as cuttings unless otherwise noted.

243938. ASTER NOVI-BELGII L. Asteraceae.

'Angela Peel'.

243939. ASTER sp.

'Autumn Princess'.

243940 to 243945. ASTER NOVI-BELGII L.

243940. 'Blandie.	243943. 'Crimson Brocade'.
243941. 'Chequers'.	243944. 'Festival'.
243942. 'Chorister'.	243945. 'Gayboarder Royal'.

243938 to 244005—Continued

243946. *ASTER* sp.

'Lady in Blue'.

243947 to 243949. *ASTER NOVI-BELGII* L.

243947. 'Marie Ballard'.

243948. 'Mistress Quickly'.

243949. 'Picture'.

243950. *ASTER* sp.

'Rose Bonnett'.

243951 to 243952. *ASTER NOVI-BELGII* L.

243951. 'Twinkle'.

243952. 'Winston Churchill'.

243953. *AGAPETES BUXIFOLIA* Nutt. *Vacciniaceae*.

Col. No. 6142A.

243954. *BRUNFELSIA CALYCINA* Benth. *Solanaceae*.

Col. No. 6169. 'Macrantha'. Small evergreen tree.

243955 to 243959. Garden at Exbury House, Exbury, Hampshire.

243955. *CAMELLIA RETICULATA* Lindl. *Theaceae*. **Netvein camellia.**

Col. No. 6151. Evergreen shrub to 15 feet high; flowers single, deep pink.

243956. *CAMELLIA SALUENENSIS* Stapf.

Col. No. 6149. Evergreen shrub to 8 feet high; flowers pink, showy.

243957 to 243959. *COTONEASTER* × *WATERERI* Exell *Malaceae*.

243957. Col. No. 6140. 'Cornubia'. Evergreen shrub to 15 feet high; fruit scarlet.

243958. Col. No. 6137. 'Exburiensis'. Evergreen shrub to 15 feet high; branches spreading and arching; fruit yellow.

243959. Col. No. 6142. 'Exburiensis'. Evergreen shrub to 15 feet high; fruit yellow.

243960. *EPACRIS LONGIFLORA* Cav. *Epacridaceae*.

Col. No. 6164. Evergreen shrub to 5 feet tall; flowers crimson and white.

243961. *EPACRIS PULCHELLA* Cav.

Col. No. 6144. Evergreen shrub.

243962 to 243966. *ERIGERON* (hybrid). *Asteraceae*.

243962. 'Felicity'.

243965. 'Sincerity'.

243963. 'Festivity'.

243966. 'Unity'.

243964. 'Mesa Grande'.

243967. *EUPHORBIA SIKKIMENSIS* Boiss. *Euphorbiaceae*.

Col. No. 6176. (Root divisions.)

243968 and 243969. *EUPHORBIA WULFENII* Hoppe

243968. Col. No. 6170. (Plants.)

243969. Col. No. 6153. Chelsea Physic Garden, London. Evergreen perennial to 3 feet high; leaves silvery gray. (Plants.)

243970 and 243971. *FOKIENIA HODGINSII* (Dunn) A. Henry & H. H. Thomas *Pinaceae*.

243970. Col. No. 6154. Small evergreen tree.

243971. Col. No. 6143. Garden at Exbury House, Exbury, Hampshire. Small evergreen tree to 20 feet high; branches flat.

243938 to 244005—Continued**243972.** *ILEX FARGESII* Franch. Aquifoliaceae.**Holly.**

Col. No. 6135. Nursery Court, Windlesham, Surrey. Evergreen tree to 15 feet high; bark smooth, green.

243973 to 243975. *ILEX FRANCHETIANA* Loes.**Holly.**

Garden at Exbury House, Exbury, Hampshire.

243973. Col. No. 6146. Evergreen tree to 15 feet high; fruit red, in clusters.**243974.** Col. No. 6147. Seeds of P.I. 243973.**243975.** Col. No. 6148.**243976.** *IMPATIENS HAWKERI* W. Bull. Impatiaceae.

Col. No. 6166. Succulent stemmed perennial to 3 feet high; flowers deep pink; foliage reddish.

243977 and 243978. *LAVANDULA* sp. Menthaceae.

Nursery Court, Windlesham, Surrey.

243977. Col. No. 6130. 'Hidcote Giant'. Evergreen shrub to 2 feet high.**243978.** Col. No. 6133. 'Hidcote'. Evergreen shrub to 2 feet high; flowers very dark lavender.**243979.** *LIGUSTRUM CONFUSUM* Decne. Oleaceae.**Privet.**

Col. No. 6144. Garden at Exbury House, Exbury, Hampshire. Deciduous shrub to 20 feet high; leaves peachlike; fruit blue-black. (Seeds.)

243980. *BLECHNUM CHILENSE* (Kaulf.) Mett. Polypodiaceae.

Col. No. 6152. Rhizomatous perennial; fronds 3 feet long, leathery. (Plants.)

243981. *MANGLIETIA HOOKERI* Cubitt & W. W. Sm. Magnoliaceae.

Col. No. 6145. Garden at Exbury House, Exbury, Hampshire. Evergreen tree to 20 feet high.

243982. *MARCGRAVIA UMBELLATA* L. Marcgraviaceae.

Col. No. 6147. Evergreen creeper; leaves dimorphic.

243983. *NIVENIA CORYMBOSA* (Ker.) Bak. Proteaceae.

Col. No. 6162.

243984. *PELARGONIUM FRAGRANS* Willd. Geraniaceae.**Geranium.**

Col. No. 6157.

243985. *PELARGONIUM GLUTINOSUM* L'Her.

Col. No. 6161.

243986. *PELARGONIUM QUERCIFOLIUM* (L. f.) L'Her.**Geranium.**

Col. No. 6156. 'Major'.

243987. *PELARGONIUM* sp.

Col. No. 6134. Nursery Court, Windlesham, Surrey. Evergreen shrub to 10 feet high, strongly scented; flowers red and white.

243988 and 243989. *PELARGONIUM* (hybrids).**243988.** Col. No. 6158. 'Endsleigh'.**243989.** Col. No. 6155. 'Lady Plymouth'.**243990.** *PELARGONIUM RADULA* L'Her.

Col. No. 6160.

243991. *PELARGONIUM* × *VANDESIAE* Sweet

Col. No. 6159.

243938 to 244005—Continued

243992 to 243995. Garden at Exbury House, Exbury.

243992 and 243993. *PERNETTYA MUCRONATA* (L. f.) Gaud. Ericaceae.
Broadleaf pernettya.

243992. Col. No. 6138. Much-branched evergreen shrub to 3 feet high; fruit white.

243993. Col. No. 6141. Evergreen shrub to 4 feet high; leaves prickly.

243994. *PIERIS FORMOSA* var. *FORRESTII* Harrow Ericaceae.

Col. No. 6139. 'Wakehurst'. Evergreen shrub to 10 feet high; new foliage bright red; flowers white.

243995. *PIERIS JAPONICA* (Thunb.) G. Don **Japanese pieris.**

Col. No. 6150. 'Variegata'. Evergreen shrub to 8 feet high; leaves with a white border.

243996 to 243999. *RHODODENDRON* (hybrids). Ericaceae.

243996. Col. No. 6174. 'Clarinda'.

243997. Col. No. 6173. 'Princess Alexandra'. (*R. jasminiflorum* × *R. 'Princess Royal'*.)

243998. Col. No. 6171. 'Red Prince'.

243999. Col. No. 6172. 'Taylora'. (*R. brookeanum* × *R. 'Princess Alexandra'*.)

244000 to 244002. Nursery Court, Windlesham, Surrey.

244000. *RHODODENDRON SINONUTTALLII* Balf. f. & Forrest

Col. No. 6132. Evergreen shrub to 5 feet high; flowers white, trumpet-shaped, fragrant.

244001. *ROSMARINUS OFFICINALIS* L. Menthaceae. **Rosemary.**

Col. No. 6129. 'Jessups Upright'. Evergreen shrub to 4 feet high; branches all ascending.

244002. *RUTA GRAVEOLENS* L. Rutaceae. **Common rue.**

Col. No. 6131. 'Jackman'. Evergreen, suffrutescent subshrub to 12 inches high; foliage blue.

244003. *SINARUNDINARIA MURIELAE* (Gamble) Nakai Poaceae. **Bamboo.**

Col. No. 6156. (Plant.)

244004. *SINARUNDINARIA NITIDA* (Mitf.) Nakai Poaceae. **Bamboo.**

Col. No. 6157. (Plant.)

244005. *SOLIDAGO* sp. Asteraceae.

Col. No. 34.

244006 to 244010. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Cuba. Cuttings presented by Hans G. Sorensen, Central Jaronu, Camaguey. Received November 18, 1957.

244006. 51-1-1. **244009.** 55-488.

244007. 55-485. **244010.** 55-533.

244008. 55-487.

244011. *CLUSIA GRANDIFLORA* Splitg. Clusiaceae.

From Great Britain. Cuttings collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 18, 1957.

Col. No. 6167. Royal Botanic Gardens, Kew. Evergreen tree to 20 feet high; leaves leathery.

244012 to 244016.

From Madagascar. Seeds presented by the Institut de Recherches de Madagascar, Tananarive. Received November 19, 1957.

244012. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**
'Bealanana'.

244013. *COFFEA CONGENSIS* Froehn. **Coffee.**

244014. *COFFEA EXCELSA* A. Chev. **Congo coffee.**

244015. *COFFEA QUILLOU* P. J. S. Cramer **Coffee.**

244016. *COFFEA CANEPHORA* Pierre ex Froeh. **Robusta coffee.**

244017 to 244019. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae.
Watermelon.

From the Union of South Africa. Seeds presented by Oved Shifriss, Transvaal. Received November 20, 1957.

244017. No. 1. Stork River Dam. Fruit 11 by 9 cm.; skin buff, background green laced, relatively soft skin and flesh; flesh spongy and green.

244018. No. 2. Stork River Dam. Fruit 16 by 10 cm.; skin green striped; flesh green and spongy.

244019. No. 3. 'Delagoa'. Fruit 13 by 10 cm.; skin dark green, hard, with light green spots.

244020 and 244021.

From Brazil. Seeds presented by Mrs. McGehee, through Coconut Grove, Florida. Received November 20, 1957.

244020. *CAESALPINIA PELTOPHOROIDES* Benth. Caesalpinaceae.

244021. *LUEHEA GRANDIFLORA* Mart. Tiliaceae.

244022 to 244027.

From Great Britain. Plants presented by the Cross Green Nurseries, Liverpool, England. Received November 21, 1957.

244022. *MOLINIA CAERULEA* (L.) Moench Cyperaceae.
'Variegata'.

244023. *LOBELIA CARDINALIS* L. Campanulaceae.
'Queen Victoria'.

244024 and 244025. *LOBELIA* (hybrids).

244024. 'Jean'.

244025. 'Mrs. Humbert'.

244026. *SALIX CAPREA* L. Salicaceae. **Willow.**
'Kilmarnook Pendula'.

244027. *SCROPHULARIA NODOSA* L. Scrophulariaceae.
'Variegata'

244028 to 244030.

From the United States. Seeds presented by E. A. Menninger, Stuart, Florida. Received November 20, 1957.

244028. *CAPPARIS SPINOSA* L. Capparidaceae. **Caper.**
Originally from Cyprus.

244029. *DERRIS DALBERGIOIDES* Baker Fabaceae.
Originally from the Royal Botanical Gardens, Peradeniya, Ceylon.

244030. *SWARTZIA MADAGASCARIENSIS* Desv. Caesalpiniaceae.
Originally from Southern Rhodesia.

244031. ANGRAECUM KOTSCHYI Reichb. f. Orchidaceae.

From Ethiopia. Plants presented by Edgar Anderson, Jimma.
Received November 21, 1957.

244032. MAGNOLIA MOLLICOMATA W. W. Smith Magnoliaceae.

From Great Britain. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 25, 1957.

Col. No. 6154. Garden of George H. Johnstone, Trewithen, Cornwall. Deciduous tree to 40 feet high.

244033. TEPHROSIA CANDIDA DC. Fabaceae.

From Puerto Rico. Plants growing at the Federal Experiment Station, Mayaguez. Numbered November 21, 1957.

Originally received from Ceylon in 1949.

244034 and 244035.

From Italy. Trees presented by the Office of Agricultural Attache, United States Embassy, Rome. Received November 21, 1957.

244034. *OLEA* sp. Oleaceae.

'Nosteale di Rigali'.

244035. *OLEA* sp.

'Leccio del Coruo'.

244036. LOTUS CORNICULATUS L. Fabaceae.**Birdsfoot trefoil.**

From Brazil. Seeds presented by the Servico de Experimentacao, Zootecnia, Porto Alegre. Received November 25, 1957.

An erect, fast-growing variety that grows especially well in the spring. Used for grazing and for hay.

244037. TRITICUM sp. Poaceae.**Wheat.**

From Spain. Seeds collected by F. G. Meyer, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received November 25, 1957.

From northern slopes of Sierra Nevada Mountains, near Granada. Elevation 3,000 feet. Plants to 5 feet high with a stiff fibrous stem; awns to 4 inches long, black-colored down to the base. Cultivar grown locally.

244038 to 244069.

From Yemen. Seeds from the International Cooperation Administration, Mogadiscio, Somalia. Received November 21, 1957.

244038. *ACACIA* sp. Mimosaceae.

No. 32. Collected somewhere between Ta.'izz and San.'a.

244039. *ARACHIS HYPOGAEA* L. Fabaceae.

Peanut.

No. 20. Market, Ta.'izz. Grown northeast of Ta.'izz, elevation 3,000 feet.

244040. *GOSSYPIUM* (hybrid). Malvaceae.

Cotton.

No. 17. Coastal plain near Beit al Faqih; on sandy soils with some irrigation.

244041 *HORDEUM* sp. Poaceae.

No. 25. Grown at Ibb. Elevation 6,100 feet. Terraced land, rainfall to 20 inches; little, if any, disease noted.

244042. *INDIGOFERA* sp. Fabaceae.

Indigo.

No. 4. Samara Pass. Small creeping legume. Elevation 9,000 feet.

244038 to 244069—Continued

244043. *JATROPHA CURCAS* L. Euphorbiaceae.

No. 9. Near Hammen Ali. Elevation 5,000 feet. Called wild persimmon.

244044. *JATROPHA* sp.

No. 19. Plant and seeds said to be a very strong laxative used by natives.

244045 and 244046. *LENS CULINARIS* Medic Fabaceae.

Lentil.

244045. No. 5. San.'a. Elevation 7,000 feet.

244046. No. 29. Ta.'izz. Grown at high altitudes on terraced lands; no irrigation.

244047. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

No. 7. Near San.'a. Elevation 7,600 feet. 6 to 8 cuttings a year. Excellent color and apparently free from disease.

244048. *ORNITHOPUS* sp. Fabaceae.

No. 3. Elevation 9,000 feet.

244049. *PACHIRA* sp. Bombacaceae.

No. 31. Between Ta.'izz and San.'a.

244050 and 244051. *PENNISETUM SPICATUM* (L.) Willd. Poaceae.

Pearl millet.

244050. No. 14. Near Hodeida. Elevation 800 feet. Grown where other crops do not survive on account of heat and drought.

244051. No. 24. From the Ta.'izz market. Elevation 8,000 feet. Generally grown on droughty soils and in areas of little rainfall, but also grown throughout Yemen.

244052. *PHASEOLUS AUREUS* Roxb. Fabaceae.

No. 10. Near Hodeida. Elevation 600 feet. Sandy soil with some irrigation.

244053. *PHASEOLUS VULGARIS* L.

Common bean.

No. 26. Market, Ta.'izz. Grown from sea level to elevation 8,000 feet. Generally grown with corn. Used as green or dry beans.

244054 and 244055. *PISUM SATIVUM* L. Fabaceae.

Pea.

244054. No. 13. Market, Hodeida. Elevation 400 feet. Plant with corn, or alone, on sandy soils.

244055. No. 8. Near San.'a. Elevation 8,000 feet.

244056 to 244059. *SORGHUM VULGARE* Pers. Poaceae.

244056. No. 15. 'Orange Dura'. Grown under irrigation on the Red Sea Plain. Climate hot and dry, soil sandy or silt.

244057. No. 16. 'White Dura'. Market, Hodeida. Elevation 800 feet. Grown under irrigation; soil sandy or silty.

244058. No. 26. 'White Dura'. Plant to 18 feet high. Grown on terraces.

244059. No. 28. 'Dura'. Near Ta.'izz. Elevation 6,500 feet. Grown on terraced land; no irrigation.

244060. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae.

Fenugreek.

No. 6. 'Dilba'. Market, San.'a. Grown for human food.

244061. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

No. 1. Ibb. Elevation 2,100 feet. Not irrigated.

244038 to 244069—Continued

244062 and 244063. *VICIA FABA* L. Fabaceae. **Broadbean.**

244062. No. 2. Near Ibb, in market. Elevation 2,800 feet.

244063. No. 11. Market, Hodeida. Elevation 600 feet. Partial irrigation on sandy soils.

244064 to 244066. *VIGNA SINENSIS* (Torner) Savi Fabaceae. **Cowpea.**

244064. No. 12. Near Hodeida. Elevation 600 feet. Sand soil; climate hot; partial irrigation.

244065. No. 18. Red Sea coastal plain. Elevation 200 feet. Sandy soil, irrigated.

244066. No. 27. Near Ta.'izz. Elevation 4,000 feet. Grown with corn on terraced land; no irrigation.

244067 to 244069. *ZEA MAYS* L. Poaceae. **Corn.**

244067. No. 21. Market, Ta.'izz. Elevation 5,000 feet. Terraced land, some irrigation; ears small.

244068. No. 22. Market, Ta.'izz. Elevation 5,000 feet. Generally on terraces, dependent on rainfall.

244069. No. 23. Market, Ta.'izz. Elevation 6,000 feet. Terraced land; no irrigation; seeds white.

244070 to 244079.

From Hungary. Trees presented by Kerteszeti Kutato Intezet, Budapest. Received November 22, 1957.

244070 to 244074. *PRUNUS ARMENIACA* L. Amygdalaceae. **Apricot.**

244070. 'Ambrosia'.

244071. 'Borsi-fele Rozsa'.

244072. 'Kecskemeti Rozsa'.

244073. 'Magyar Kajszi'.

244074. 'Rokovszky'.

244075 to 244079. *PRUNUS* sp. Amygdalaceae.

244075. 'Badacsazi Orias'.

244076. 'Cserszegi Mezes'.

244077. 'Majasi Hosszuszaru'.

244078. 'Politur Herz'.

244079. 'Szomolyai Rovidszaru'.

244080 to 244083. *ORYZA SATIVA* L. Poaceae. **Rice.**

From Italy. Seeds presented by the Rice Experiment Station, Vercelli. Received November 22, 1957.

244080. 'Allorio'. Vercelli.

244081. 'Balilla'. Bologna.

244082. 'Pierrot'. Bologna.

244083. 'Pierrot Rossi'. Vercelli.

244084. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

From Italy. Seeds presented by the Federazione Italiana dei Consorzi Agrari, Rome. Received November 25, 1957.

244085. *JUGLANS* sp. Juglandaceae.

From France. Scions presented by the Domaine de Castang, Bergeral, Dardogne.

244086. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Italy. Seeds presented by the Federazione Italiana dei Consorzi Agrari, Rome. Received November 25, 1957.

244087. SORGHUM VULGARE Pers. Poaceae.

From Jordan. Seeds collected by Harley Roath, Tulkarm. Received November 25, 1957.

244088 to 244272. PISUM SATIVUM L. Fabaceae. Pea.

From the Netherlands. Seeds presented by the Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received November 23, 1957.

- | | |
|----------------------------------|------------------------------------|
| 244088. 'Allerfruheste Mai'. | 244124. 'De Grace'. |
| 244089. 'Allervroegste Wonder'. | 244125. 'Delex'. |
| 244090. 'Allotment Holder'. | 244126. 'Deli'. |
| 244091. 'Alpha'. | 244127. 'Delikatesse'. |
| 244092. 'Anthonie'. | 244128. 'Delikatesse Improved'. |
| 244093. 'Apollo'. | 244129. 'Demi nain Debeve'. |
| 244094. 'Artemis'. | 244130. 'Dertigdaagse'. |
| 244095. 'Aureool'. | 244131. 'Dr. Neuers Kroneniperle'. |
| 244096. 'Balder'. | 244132. 'Early Onward'. |
| 244097. 'Battelse'. | 244133. 'Edelkrombek'. |
| 244098. 'Batt's Wonder'. | 244134. 'Eersteling'. |
| 244099. 'Belle de Chatenay'. | 244135. 'Eerste Vroege Mei'. |
| 244100. 'Berner Markt'. | 244136. 'Elberta'. |
| 244101. 'Bon Ami'. | 244137. 'Engelsk Sabel'. |
| 244102. 'Boordevol'. | 244138. 'Exalda'. |
| 244103. 'Brunsviga'. | 244139. 'Fairbeards Non Pareil'. |
| 244104. 'Brunswijker Volgers'. | 244140. 'Fin Des Gourmets'. |
| 244105. 'Caractacus'. | 244141. 'Fonette'. |
| 244106. 'Celsior'. | 244142. 'Foli'. |
| 244107. 'Censeur'. | 244143. 'Forto'. |
| 244108. 'Centurion'. | 244144. 'Fortuna'. |
| 244109. 'Ceres'. | 244145. 'Fuga'. |
| 244110. 'Cerosa'. | 244146. 'Furore'. |
| 244111. 'Chemin Long Hatif'. | 244147. 'Gentse Vroege'. |
| 244112. 'Chemin Long Tardif'. | 244148. 'Geschenk'. |
| 244113. 'Clamart Demi Nain'. | 244149. 'Gloire de Quimper'. |
| 244114. 'Clamart Trois Gousses'. | 244150. 'Goldkonigin'. |
| 244115. 'Clause '50'. | 244151. 'Goudvaartje'. |
| 244116. 'Columba'. | 244152. 'Greca'. |
| 244117. 'Concordia'. | 244153. 'Grijze Reuzen'. |
| 244118. 'Conserva'. | 244154. 'Grote Slier'. |
| 244119. 'Conservenkonigin'. | 244155. 'Gruno'. |
| 244120. 'Conso'. | 244156. 'Haarsteegse'. |
| 244121. 'Crescent'. | 244157. 'Hada'. |
| 244122. 'Cupido'. | 244158. 'Halfstam'. |
| 244123. 'Debut'. | 244159. 'Helda'. |

244088 to 244272—Continued

244160.	'Helios'.	244202.	'Pacemaker'.
244161.	'Heraut'.	244203.	'Petit Breton'.
244162.	'Hoge Late Groene'.	244204.	'Petit Cevenol'.
244163.	'Insulinde'.	244205.	'Phenomenon'.
244164.	'Jubilee'.	244206.	'Piccolo'.
244165.	'Juni Sabel'.	244207.	'Prasident Kruger'.
244166.	'Juwel'.	244208.	'Primata'.
244167.	'Kaapse Groene'.	244209.	'Quarante Deux de Sarcelles Amelioree'.
244168.	'King of the Dwarfs'.	244210.	'Rapid'.
244169.	'Knight's Dwarf White'.	244211.	'Rapida'.
244170.	'Konig der Carouby'.	244212.	'Rasper Groene'.
244171.	'Konig der Middelvroegen'.	244213.	'Rasper Ruige Gele'.
244172.	'Konservestolz'.	244214.	'Rasperpeulen'.
244173.	'Kristallglass'.	244215.	'Rembrandt'.
244174.	'Kungsart'.	244216.	'Reuzen Mei'.
244175.	'Lage Smeltpeul'.	244217.	'Reuzenboter Gekreukt'.
244176.	'Largo'.	244218.	'Reuzenboter Rond'.
244177.	'Laurell'.	244219.	'Reva'.
244178.	'Lav. Sabel'.	244220.	'Rex'.
244179.	'Lentedopper'.	244221.	'Rigi'.
244180.	'Lentekrombek'.	244222.	'Roi des Conserves'.
244181.	'Limbergse Groene Krombek'.	244223.	'Roi des Fins Verts'.
244182.	'Lolo'.	244224.	'Rondo'.
244183.	'Mandvuller'.	244225.	'Rubens'.
244184.	'Meidoppers'.	244226.	'Sabre'.
244185.	'Meikoningin'.	244227.	'Safir'.
244186.	'Michoux d'Hollande'.	244228.	'Salzmunder Edelperle'.
244187.	'Michoux Ordinaire'.	244229.	'Salzmunder Grune'.
244188.	'Mira'.	244230.	'Saxa Vert'.
244189.	'Moerheims Reuzen'.	244231.	'Senator'.
244190.	'Monster'.	244232.	'Serpette Cent Pour Un'.
244191.	'Morgenster'.	244233.	'Serpette d'Auvergne'.
244192.	'Multifold'.	244234.	'Serpette Express a Grain Vert'.
244193.	'Nain Hatif Ameliore'.	244235.	'Serpette Vert'.
244194.	'Nanum'.	244236.	'Shah de Perse'.
244195.	'New Era'.	244237.	'Siegerin'.
244196.	'Olympia'.	244238.	'Skandia'.
244197.	'Onsa'.	244239.	'Sprinter'.
244198.	'Orion'.	244240.	'Stam of Kruip'.
244199.	'Oscar'.	244241.	'Stam Kruip geel'.
244200.	'Osterlen'.	244242.	'Stens'.
244201.	'Overvloed'.		

244088 to 244272—Continued

- | | |
|--------------------------|----------------------------------|
| 244243. 'Stomppeul'. | 244258. 'Vlijmse Krombet'. |
| 244244. 'Suikerzoete'. | 244259. 'Volontaire'. |
| 244245. 'Supermangout'. | 244260. 'Voorloper'. |
| 244246. 'Sylvester'. | 244261. 'Vroege Hendriks'. |
| 244247. 'Tidriga Stens'. | 244262. 'Vroege Suikerpeul'. |
| 244248. 'Tilly'. | 244263. 'Waxless'. |
| 244249. 'Uberreich'. | 244264. 'Wilhelm Tell'. |
| 244250. 'Unique'. | 244265. 'William Hurst'. |
| 244251. 'Universalis'. | 244266. 'Wonder van Amerika'. |
| 244252. 'Veense'. | 244267. 'Wonder van Engeland'. |
| 244253. 'Velocity'. | 244268. 'Wonder van Witham'. |
| 244254. 'Venlona II'. | 244269. 'Wunder von Rhein'. |
| 244255. 'Vermeer'. | 242740. 'Zeiners Grune Bastard'. |
| 244256. 'Vesta'. | 244271. 'Zelka Schokker'. |
| 244257. 'Vincent'. | 244272. 'Zwitserse Reuzen'. |

244273 to 244291.

From Spain. Plants growing at the Soil Conservation Service Observation Nurseries, Beltsville, Md. Numbered November 26, 1957.

Originally received as seeds from the Botanical Garden, Madrid. Numbers (B.N.) indicate the Beltsville Nurseries.

244273. *ASTRAGALUS* sp. Fabaceae.

B. N. 7869.

- 244274 to 244276. *ASTRAGALUS HAMOSUS* L.

Milkvetch.

244274. B. N. 7867.

244275. B. N. 7880.

244276. B. N. 7885.

244277. *ASTRAGALUS SCORPIOIDES* Pourr.

Milkvetch.

B. N. 7884.

244278. *CROTALARIA INCANA* L. Fabaceae.

B. N. 7892.

244279. *DALEA LAGOPUS* (Cav.) Willd. Fabaceae.

B. N. 7893.

244280. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.

B. N. 7897.

244281. *LOTUS EDULIS* L. Fabaceae.

B. N. 8580.

244282. *MEDICAGO AURICULATA* All. Fabaceae.

B. N. 7925.

244283. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinn.
California burclover.

B. N. 7922.

244284. *MEDICAGO LACINIATA* (L.) Mill.

Medic.

B. N. 7924.

244273 to 244291—Continued244285. *MEDICAGO TRIBULOIDES* Desv.

B. N. 8581.

244286. *MELILOTUS INDICA* (L.) All. Fabaceae.

Sweetclover.

B. N. 7935.

244287. *MELILOTUS ITALICA* (L.) Lam.

Sweetclover.

B. N. 7934.

244288. *TRIGONELLA CAERULEA* (L.) Ser. Fabaceae.

B. N. 7968.

244289 and 244290. *TRIGONELLA CORNICULATA* L.

244289. B. N. 7969.

244290. B. N. 7966.

244291. *TRIGONELLA FOENUM-GRÆCUM* L.

Fenugreek.

B. N. 7944.

244292. *ELEOCHARIS DULCIS* (Burm. f.) Trin. Cyperaceae.

Walnut.

From the United States. Plants growing at the Plant Introduction Station, Chico, California. Numbered January 13, 1958. Presented by Mas Yamaguchi, University of California, Davis.

Corms small, yield about 600 gms. Originally cultivated in Hong Kong.

244293 to 244306. *ZEA MAYS* L. Poaceae.

Corn.

From Australia. Seeds presented by the Department of Agriculture, Sydney Received November 26, 1957.

244293. 12A. Backcross derivative, recurrent parent 12 which is an 'Improved Yellow' dent inbred from Lawes, Queensland.

244294. 13A. Backcross recovery from 64 × 132. Origin of 13 unknown.

244295. 61B. Backcross recovery, recurrent parent 61 from 'Improved Yellow' dent. Named 1949.

244296. D21N. Unknown—probably Experiment Farm Fitzroy. Has been inbred over 20 years.

244297. DT317. Inbred at Lawes, Queensland from 'Yellow Tuxpan' from Texas. Received Grafton 1948.

244298. FF3. Inbred directly from Experiment Farm Fitzroy, common source material to that of M16 and M3.

244299. FG353; (Tx 203 mst × 25) × (13A × GJ 39-25).

244300. GH355; (Tx 203 mst × Y1) × (13A × GJ 39-25).

244301. H234. From 'Leaming', fixed from segregating material received from Hawkesbury Agricultural College, N.S.W. in 1954-55.

244302. KE132. Inbred from 'King of the Earlies'.

244303. L1. Inbred from 'Leaming', named 1949.

244304. M3. Same source material as M16, different original cob selection.

244305. M16. Inbred from Grafton Experiment Farm, Department of Agriculture, N.S.W. Strain of 'Fitzroy' previously carried under the Macanley Plot Technique.

244306. NN13. Inbred from an unnamed open pollinated variety. Named 1951.

244307. DRACAENA sp. Liliaceae.

From the Philippines. Plants intercepted by quarantine official at Honolulu, Hawaii.

244308 to 244330.

From Spain. Plants growing at the Soil Conservation Service Observation Nurseries, Beltsville, Md. Numbered November 26, 1957.

Originally received as seeds from the Botanical Garden, Madrid. Numbers (B.N.) indicate the Beltsville Nurseries.

244308. ASTRAGALUS HAMOSUS L. Fabaceae.

B.N. 7873.

244309 and 244310. ASTRAGALUS STELLA Goun.

244309. B.N. 7882.

244310. B.N. 7883.

244311. CORONILLA SCORPIOIDES Koch Fabaceae.

B.N. 7889.

244312 to 244315. MEDICAGO POLYMORPHA var. VULGARIS (Benth.) Shinnery Fabaceae.

244312. B.N. 7923.

244313. B.N. 7927.

244313. B.N. 7920.

244315. B.N. 7930.

244316. MEDICAGO ORBICULARIS (L.) All.

B. N. 7926.

244317. MEDICAGO SATIVA L.

B. N. 7928.

244318. MEDICAGO TURBINATA var. ACULEATA (Gaertn.) Moris.

B. N. 7931.

244319. ONONIS BIFLORA Desf. Fabaceae.

B. N. 8587.

244320. ONONIS MITISSIMA L.

B. N. 7941.

244321. ORNITHOPUS COMPRESSUS L. Fabaceae.

B. N. 7942.

244322. TRIFOLIUM ARVENSE L. Fabaceae.

B. N. 7955.

244323. TRIFOLIUM LAPPACEUM L.

B. N. 7963.

244324. TRIFOLIUM RESUPINATUM L.

Persian clover.

B. N. 9072.

244325. TRIFOLIUM SPUMOSUM L.

B. N. 8592.

244326. TRIGONELLA BRACHYCARPA (Fisch.) Moris. Fabaceae.

B. N. 7967.

244327. TRIGONELLA MONSPELIACA L.

B. N. 7945.

244308 to 244330—Continued**244328 and 244329.** *TRIGONELLA POLYCEPATA* L.**244328.** B. N. 7946.**244329.** B. N. 8865.**244330.** *VICIA ANGUSTIFOLIA* L. Fabaceae.**Vetch.**

B. N. 8599.

244331. *STIPA TENACISSIMA* Jusl. Poaceae. **Esparto needlegrass.**

From Libya. Seeds presented by the United States Operations Mission to Libya, American Embassy, Tripoli. Received November 27, 1957.

244332 to 244345.

From Ethiopia. Seeds presented by the Rockefeller Foundation, Jimma. Received November 27, 1957.

244332 and 244333. *CICER ARIETINUM* L. Fabaceae.**Chickpea.****244332.** Market sample. Seeds mostly black; toasted and used like nuts.**244333.** Seeds mostly red, small, of high quality; used like nuts.**244334.** *ERYTHRINA* sp. Fabaceae.

Ornamental tree.

244335. *EULOPHIA* sp. Orchidaceae.**244336.** *GUIZOTIA ABYSSINICA* (L. f.) Cass. Asteraceae.

Yields high quality cooking oil.

244337. *HORDEUM* sp. Poaceae.**Barley.**

Market sample.

244338 to 244340. *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.****244338.** Market samples of soft wheats.**244339.** Market samples of soft wheats.**244340.** Market samples of soft wheats.**244341.** *TRITICUM DICOCCUM* Schrank.**Emmer.**

Market sample. Used in broth for invalids.

244342. *TRITICUM DURUM* Desf.**Durum wheat.**

Market sample A. From mixed fields. Probable source of semidurums.

244343 and 244344. *TRITICUM* sp.**244343.** Market sample A. From mixed fields. Probable source of semidurums.**244344.** Market sample B. From mixed fields. Probable source of semidurums.**244345.** *VICIA FABA* L. Fabaceae.**Broadbean.**

Market sample.

244346 to 244352.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered December 9, 1957.

Received October 17, 1957, as seeds, from the University of Washington Arboretum, Seattle, Wash. Localities given are original sources.

244346. *ACER GLABRUM* Torr. Aceraceae.**Maple.**

Received from the University of British Columbia, Vancouver, B. C., Canada.

244346 to 244352—Continued

- 244347.** *ACER GLABRUM* var. *DOUGLASII* (Hook.) Hemsl **Maple.**
Columbia River, Oregon.

- 244348.** *CASTANOPSIS CHRYSOPHYLLA* (Dougl.) DC. *Fagaceae*.
Curry County, Oregon.

- 244349.** *LITHOCARPUS DENSIFLORUS* (Hook. & Arn.) Rehder *Fagaceae*.
Northern Del Norte County, California.

- 244350.** *LITHOCARPUS DENSIFLORUS* var. *MONTANA* (Mayr) Rehder
Southern Curry County, Oregon.

- 244351.** *QUERCUS BREWERI* Engelm. *Fagaceae*.
Southwestern Josephine County, Oregon.

- 244352.** *QUERCUS VACCINIFOLIA* Kell.
Southeastern Curry County, Oregon.

- 244353.** *DACTYLIS GLOMERATA* L. *Poaceae*. **Orchardgrass.**

From Canada. Seed presented by the Department of Agriculture, Experimental Farms Service, Lethbridge, Alberta. Received November 29, 1957.

Selection for winter hardiness in southern Alberta.

- 244354.** *CARTHAMUS TENUIS* (Boiss. & Blanche) Bornm. *Asteraceae*.

From Israel. Seeds presented by the Agricultural Experiment Station, Nive-Yaar. Received December 2, 1957.

- 244355 to 244357.** *ORYZA SATIVA* L. *Poaceae*. **Rice.**

From Pakistan. Seeds presented by the Economic Botanist, Dacca Farm, P. O. Tejgaon, Dacca. Received December 2, 1957.

- 244355.** 'Dhalasaita'.

- 244356.** 'Dharial'.

- 244357.** 'Kumari'.

244358 to 244364.

From Germany. Seeds presented by the Botanical Garden, Munchen. Received December 2, 1957.

- 244358.** *ANGELICA SYLVESTRIS* L. *Apiaceae*.

- 244359.** *ASTRAGALUS HAMOSUS* L. *Fabaceae*.

Milkvetch.

- 244360.** *NIGELLA SATIVA* L. *Ranunculaceae*.

Black cumin.

- 244361.** *ONOBRYCHIS CAPUT-GALLI* (L.) Lam. *Fabaceae*.

- 244362.** *SPILANTHES OLERACEA* L. *Asteraceae*.

- 244363.** *STEVIA PURPUREA* Pers. *Asteraceae*.

- 244364.** *TETRAGONOLOBUS PURPUREUS* Moench *Fabaceae*.

244365 to 244367.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paula. Received December 2, 1957.

- 244365 and 244366.** *LUPINUS ALBUS* L. *Fabaceae*.

White lupine.

- 244365.** I-22.418 Tremoco.

- 244366.** I-22.419 Tremoco.

- 244367.** *LUPINUS ANGUSTIFOLIUS* L.

Blue lupine.

- I 22.417.

244368 to 244374.

From Germany. Seeds presented by the Botanical Garden, Stuttgart, Hohenheim. Received December 2, 1957.

244368. *ANGELICA SYLVESTRIS* L. Apiaceae.

244369. *ASTRAGALUS VERNUS* Georgi Fabaceae.

244370. *ASTRAGALUS* sp.

244371. *ONOBRYCHIS ARENARIA* DC. Fabaceae.

244372. *ONOBRYCHIS PETRAEA* Desv.

244373. *LINUM AUSTRIACUM* L. Linaceae.

244374. *TETRAGONOLOBUS PURPUREUS* Moench Fabaceae.

244375 to 244380. *SOLANUM TRIFIDUM* Correll Solanaceae.

From Mexico. Tubers presented by the Rockefeller Foundation, Calle Londres. Received December 3, 1957.

244375 and 244376. Road to Uruapan, Michoacan.

244375. S-372.

244376. S-458.

244377. North of Paricutin, Michoacan.

S-459.

244378. Road to Uruapan, Michoacan.

S-460.

244379 and 244380. North slope of Nevado de Colima, Jalisco.

244379. S-461.

244380. S-462.

244381. *MERCURIALIS ANNUA* L. Euphorbiaceae.

From France. Seeds presented by P. Plantiveau, Nantes. Received December 3, 1957.

244382. *PINUS PUMILA* (Pallas) Regel Pinaceae.

Pine.

From Japan. Seeds presented by the Kyoto University, Kyoto. Received December 3, 1957.

244383 and 244384. *POLYGONUM SACHALINENSE* F. Schmidt ex Maxim. Polygonaceae.

Sacaline.

From Germany. Presented by the Botanic Garden, Hesse. Received December 6, 1957.

244383. Rhizomes.

244384. Seed.

244385 to 244388. *DIOSCOREA QUATERNATA* J. F. Gmel. Dioscoreaceae.

From the United States. Seeds collected by E. P. Imle, plant explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received December 6, 1957.

Tyler's Woods, near Powder Mill Road and Cherry Hill Road, near Beltsville, Md. Vines leafless as a result of frosts.

244385. No. 64.

244387. No. 66.

244386. No. 65.

244388. No. 67.

244389 to 244393. SAMBUCUS GLAUCA Nutt. Caprifoliaceae. Elder.

From the United States. Donor unknown.

244389 to 244391. Collected on roadside, John Day, Oregon.

244389. No. 1.

244391. No. 3.

244390. No. 2.

244392 and 244393. Collected on roadside, Pendleton, Oregon.

244392. No. 4.

244393. No. 5.

**244394. PINUS PONDEROSA Dougl. ex Lawson Pinaceae.
Western yellow pine.**

From Mexico. Seeds presented by the Instituto de Investigaciones Forestales, Coyoacan. Received December 6, 1957.

244395. TURNERA DIFFUSA Willd. Turneraceae.

From Mexico. Plants growing at the United States Plant Introduction Station, Glenn Dale. Numbered December 9, 1957.

Gentry 16551. San Bernardo, Sonora, May 2, 1957.

Damiana. Bushy perennial to 2 feet high; flowers yellow. Reported to be a tonic and an aphrodisiac.

244396 to 244460.

From Great Britain and Ireland. Cuttings collected by Donald Egolf, National Arboretum, Washington, D.C. Received October 25, 1957.

244396 and 244397. VIBURNUM ATROCYANEUM C. B. Clarke Caprifoliaceae.

244396. No. 1236. Royal Botanic Garden, Kew, England.

244397. No. 1267. National Botanic Garden, Dublin, Ireland, K. W. 9198, ex Kingdon-Ward.

244398. VIBURNUM BETULIFOLIUM Batal.

No. 1187. Royal Botanic Garden, Edinburgh, Scotland, F 346, ex Forrest.

244399 to 244401. VIBURNUM BITCHIUENSE Makino

244399. No. 1193. Royal Botanic Garden, Edinburgh, Scotland.

244400. No. 1221. Royal Botanic Garden, Kew, England.

244401. No. 1246. Royal Horticultural Society Garden, Wisley, England.

244402. VIBURNUM BRACTEATUM Rehder

No. 1222. Royal Botanic Garden, Kew, England.

244403. VIBURNUM BREVIPES Rehder

No. 1215. Royal Botanic Garden, Edinburgh, Scotland.

244404. VIBURNUM $\times$ BURKWOODII Burk. & Skipw.

No. 1213. *V. carlesii* $\times$ *V. utile*. Royal Botanic Garden, Edinburgh, Scotland.

244405. VIBURNUM $\times$ CARLCEPHALUM Burk. ex Pike

No. 1200. *V. carlesii* $\times$ *V. macrocephalum*. Royal Botanic Garden, Edinburgh, Scotland.

244406 and 244407. VIBURNUM CINNAMOMIFOLIUM Rehder

244406. No. 1270. National Botanic Garden, Dublin, Ireland. W 963, ex Wilson.

244407. No. 1276. Headford Court, Kells, Meath, Ireland.

244396 to 244460—Continued**244408.** *VIBURNUM CONGESTUM* Rehder

No. 1188. Royal Botanic Garden, Edinburgh, Scotland.

244409. *VIBURNUM COTINIFOLIUM* D. Don

No. 1190. Royal Botanic Garden, Edinburgh, Scotland, ex Ludlow & Sherriff 10.

244410. *VIBURNUM CORIACEUM* Blume

No. 1235. Royal Botanic Garden, Kew, England.

244411 to 244414. *VIBURNUM DAVIDII* Franch.**244411.** No. 1214. Royal Botanic Garden, Edinburgh, Scotland, W 963, ex Wilson.**244412.** No. 1277. Highdown, Goring-by-Sea, Sussex, England.**244413.** No. 1320. Royal Botanic Garden, Edinburgh, Scotland.**244414.** No. 1211. 'Femina'. Royal Botanic Garden, Edinburgh, Scotland.**244415.** *VIBURNUM EROSUM* Thunb.

No. 1244. Royal Horticultural Society Garden, Wisley, England.

244416. *VIBURNUM FOETENS* Decne.

No. 1192. Korean form. Royal Botanic Garden, Edinburgh, Scotland.

244417. *VIBURNUM FRAGRANS* var. *NANUM* Boom

No. 1238. Royal Horticultural Society Garden, Wisley, England.

244418 and 244419. *VIBURNUM HARRYANUM* Rehder**244418.** No. 1194. Royal Botanic Garden, Edinburgh, Scotland.**244419.** No. 1275. Birr Castle, Birr, Kings, Ireland.**244420.** *VIBURNUM HENRYI* Hemsl.

No. 1224. Royal Botanic Garden, Kew, England.

244421. *VIBURNUM JAPONICUM* (Thunb.) Spreng.

No. 1207. Royal Botanic Garden, Edinburgh, Scotland.

244422 and 244423. *VIBURNUM LANTANA* L.**Wayfaring-tree.****244422.** No. 1325. Kenneth Beckett, South Downs, England.**244423.** No. 1322. 'Variegatum'. Royal Botanic Garden, Edinburgh, Scotland.**244424.** *VIBURNUM RHYTIDOPHYLLUM* Hemsl.

No. 1226. Royal Botanic Garden, Kew, England, ex Wilson 238.

244425. *VIBURNUM STELLULATUM* Wall. ex DC.

No. 1212. Royal Botanic Garden, Edinburgh, Scotland.

244426. *VIBURNUM NERVOSUM* D. Don

No. 1189. Royal Botanic Garden, Edinburgh, Scotland.

244427 and 244428. *VIBURNUM ODORATISSIMUM* Ker-Gawl. **Sweet viburnum.****244427.** No. 1263. Royal Horticultural Society Garden, Wisley, England.**244428.** No. 1324. Howth Demense, Howth, Ireland.**244429 and 244430.** *VIBURNUM* × *BURKWOODII* Burk. & Skipw.**244429.** No. 1202. 'Park Farm'. Royal Botanic Garden, Edinburgh, Scotland.

244396 to 244460—Continued**244429 and 244430—Continued**

244430. No. 1225. 'Park Farm'. Royal Horticultural Society Garden, Wisley, England.

244431. VIBURNUM PAUCIFLORUM Raf.

No. 1209. Royal Botanic Garden, Edinburgh, Scotland.

244432. VIBURNUM PROPINQUUM Hemsl.

No. 1264. National Botanic Garden, Dublin, Ireland.

244433 and 244434. VIBURNUM SIEBOLDII f. RETICULATUM Rehder

244433. No. 1185. Royal Botanic Garden, Edinburgh, Scotland.

244434. No. 1231. Royal Botanic Garden, Kew, England.

244435 to 244437. VIBURNUM RHYTIDOPHYLLUM Hemsl. Leatherleaf viburnum.

244435. No. 1203. 'Aureovariegatum'. Royal Botanic Garden, Edinburgh, Scotland.

244436. No. 1217. Royal Botanic Garden, Edinburgh, Scotland. W 220A, ex Wilson.

244437. No. 1278. Highdown, Goring-by-Sea, Sussex, England. (Wilson original.)

244438. VIBURNUM RIGIDUM Vent.

No. 1220. Royal Botanic Garden, Kew, England.

244439. VIBURNUM SARGENTII var. CALVESCENS Rehder

No. 1197. Royal Botanic Garden, Edinburgh, Scotland, R13485, ex Rock.

244440 and 244441. VIBURNUM SCHENSIAANUM Maxim.

244440. No. 1210. Royal Botanic Garden, Edinburgh, Scotland.

244441. No. 1237. Royal Botanic Garden, Kew, England.

244442. VIBURNUM CALVUM Rehd.

No. 1216. Royal Botanic Garden, Edinburgh, Scotland.

244443. VIBURNUM SUSPENSUM Lindl.

No. 1272. Howth Demense, Howth, Ireland.

244444 to 244447. VIBURNUM TINUS L.

Laurustinus.

244444. No. 1279. Highdown, Goring-by-Sea, Sussex, England. Collected in Algiers by Bowles.

244445. No. 1232. 'Hirtulum'. Royal Botanic Garden, Kew, England.

244446. No. 1230. 'Purpureum'. Royal Botanic Garden, Kew, England.

244447. No. 1233. 'Pyramidale'. Royal Botanic Garden, Kew, England.

244448 and 244449. VIBURNUM PLICATUM Thunb.

Japanese snowball.

244448. No. 1249. 'Brockhurst'. Royal Horticultural Society Garden, Wisley, England.

244449. No. 1196. 'Lananth'. Royal Botanic Garden, Edinburgh, Scotland.

244450. VIBURNUM PLICATUM f. MARISSII (Veitch) Rehd.

No. 1201. Royal Botanic Garden, Edinburgh, Scotland.

244451. VIBURNUM PARVIFOLIUM Hayata

No. 1254. 'Parvifolium'. Royal Horticultural Society Garden, Wisley, England.

244396 to 244460—Continued**244452.** *VIBURNUM PLICATUM* Thunb.**Japanese snowball.**

No. 1313. 'Rowallane'. Royal Horticultural Society Garden, Wisley, England.

244453. *VIBURNUM* sp.

No. 1183. Royal Botanic Garden, Edinburgh, Scotland.

244454. *VIBURNUM* sp.

No. 1184. Royal Botanic Garden, Edinburgh, Scotland.

244455. *VIBURNUM* sp.

No. 1191. Royal Botanic Garden, Edinburgh, Scotland, ex Polumin 55.

244456. *VIBURNUM* sp.

No. 1219. Royal Botanic Garden, Edinburgh, Scotland.

244457. *VIBURNUM* sp.

No. 1227. Royal Botanic Garden, Kew, England ex Chung.

244458. *VIBURNUM* sp.

No. 1234. Royal Botanic Garden, Kew, England ex Chung.

244459. *VIBURNUM* sp.

No. 1269. National Botanic Garden, Dublin, Ireland, W1302-237, ex Wilson.

244460. *VIBURNUM* sp.

No. 1273. Birr Castle, Birr, County Kings, Ireland.

244461 and 244462. *LUPINUS ROTHMALERI* Klingk. Fabaceae.

From Spain. Seeds presented by the Estacion Experimental de Aula Dei, Zaragoza, Spain. Received December 10, 1957.

Collected by P. Silva, Beira Baipa, Portugal, in granite soil.

244461. Red spotted.**244462.** White seeded.**244463 to 244484.**

From Brazil. Seeds presented by the American Consulate, Porto Alegre. Received December 10, 1957.

244463 to 244483. *AVENA SATIVA* L. Poaceae.**Common oats.****244463.** S.A. 1.**244474.** S.A. 16.**244464.** S.A. 2.**244475.** S.A. 18.**244465.** S.A. 6.**244476.** S.A. 19.**244466.** S.A. 7.**244477.** S.A. 21.**244467.** S.A. 9.**244478.** S.A. 22.**244468.** S.A. 10.**244479.** S.A. 23.**244469.** S.A. 11.**244480.** S.A. 3A.**244470.** S.A. 12.**244481.** S.A. 5A.**244471.** S.A. 13.**244482.** S.A. 3B.**244472.** S.A. 14.**244483.** S.A. 5B.**244473.** S.A. 15.**244484.** *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.**

H 620-IS.

244485 to 244570.

From Great Britain. Plants collected by Donald Egolf, National Arboretum, Washington, D.C. Received October 31, 1957.

244485 and 244486. *VIBURNUM* × *BODNANTENSE* Aberc. Caprifoliaceae.

244485. No. 1199. Royal Botanic Garden, Edinburgh, Scotland.

244486. No. 1245. Royal Horticultural Society Garden, Wisley, England.

244487 to 244489. *VIBURNUM* *BETULIFOLIUM* Batal.

244487. No. 1223. Royal Botanic Garden, Kew, England.

244488. No. 1242. Royal Horticultural Society Garden, Wisley, England.

244489. No. 1247. Royal Horticultural Society Garden, Wisley, England.

244490 to 244492. *VIBURNUM* *BUDDLEIFOLIUM* Wright. **Woolly viburnum.**

244490. No. 1182. Royal Botanic Garden, Edinburgh, Scotland.

244491. No. 1296. Royal Botanic Garden, Kew, England.

244492. No. 1328. John Innes Horticultural Institute Gardens, England.

244493 to 244495. *VIBURNUM* × *BURKWOODII* Burk. & Skipw.

(*V. carlesii* × *V. utile*).

244493. No. 1213. Royal Botanic Garden, Edinburgh, Scotland.

244494. No. 1239. Royal Horticultural Society Garden, Wisley, England.

244495. No. 1302. Royal Botanic Garden, Kew, England.

244496. *VIBURNUM* *BUREJAETICUM* Regel & Herd. **Manchurian viburnum.**

No. 1291. Royal Botanic Garden, Kew, England.

244497. *VIBURNUM* *CALVUM* Rehd.

No. 1285. Royal Botanic Garden, Edinburgh, Scotland.

244498. *VIBURNUM* *CARLESII* Hemsl.

Fragrant viburnum.

No. 1329. John Innes Horticultural Institute Gardens, England.

244499. *VIBURNUM* × *CHENAULTII* Chenault

No. 1294. Royal Botanic Garden, Kew, England.

244500 and 24501. *VIBURNUM* *CINNAMOMIFOLIUM* Rehd.

244500. No. 1282. Royal Botanic Garden, Edinburgh, Scotland.

244501. No. 1309. Royal Horticultural Society Garden, Wisley, England.

244502. *VIBURNUM* *CORIACEUM* Blume

No. 1274. Birr Castle, Birr, County Kings, Ireland.

244503 to 244506. *VIBURNUM* *DAVIDII* Franch.

244503. No. 1240. Royal Horticultural Society Garden, Wisley, England.

244504. No. 1301. Royal Botanic Garden, Kew, England.

244505. No. 1316. National Botanic Garden, Dublin, Ireland.

244506. No. 1330. John Innes Horticultural Institute Gardens, England.

244507 to 244509. *VIBURNUM* *DENTATUM* L.

244507. No. 1186. Royal Botanic Garden, Edinburgh, Scotland.

244508. No. 1258. Royal Horticultural Society Garden, Wisley, England.

244509. No. 1306. Royal Horticultural Society Garden, Wisley, England.

244510 to 244512. *VIBURNUM* *DILATATUM* Thunb.

Linden viburnum.

244510. No. 1248. Royal Horticultural Society Garden, Wisley, England.

244511. No. 1256. Royal Horticultural Society Garden, Wisley, England.

244512. No. 1327. John Innes Horticultural Institute Gardens, England.

244485 to 244570—Continued

- 244513.** *VIBURNUM FLAVESCENS* W. W. Smith
No. 1305. Royal Horticultural Society Garden, Wisley, England.
- 244514.** *VIBURNUM FOETIDUM* Wall.
No. 1252. Royal Horticultural Society Garden, Wisley, England.
- 244515.** *VIBURNUM FRAGRANS* Bunge.
No. 1317. Highdown, Goring-by-Sea, Sussex, England, ex Farrer 13.
- 244516.** *VIBURNUM GLOMERATUM* Maxim.
No. 1297. Royal Botanic Garden, Kew, England.
- 244517.** *VIBURNUM HANCEANUM* Maxim.
No. 1290. Royal Botanic Garden, Kew, England.
- 244518.** *VIBURNUM HARRYANUM* Rehd.
No. 1314. National Botanic Garden, Dublin, Ireland.
- 244519.** *VIBURNUM HENRYI* Hemsl.
No. 1271. Howth Demense, Howth, Ireland.
- 244520.** *VIBURNUM HUPEHENSE* Rehd **Hupeh viburnum.**
No. 1321. Royal Horticultural Society Garden, Wisley, England
- 244521 and 244522.** *VIBURNUM ICHANGENSE* (Hemsl.) Rehd.
244521. No. 1308. Royal Horticultural Society Garden, Wisley, England.
244522. No. 1319. Birr Castle, Birr, County Kings, Ireland.
- 244523.** *VIBURNUM JAPONICUM* (Thunb.) Spreng.
No. 1289. Royal Botanic Garden, Kew, England.
- 244524 and 244525.** *VIBURNUM* × *JUDDII* Rehd.
(*V. carlesii* × *V. bilchiuense*).
244524. No. 1195. Royal Botanic Garden, Edinburgh, Scotland.
244525. No. 1312. Royal Horticultural Society Garden, Wisley, England.
- 244526 and 244527.** *VIBURNUM LOBOPHYLLUM* Graebn.
244526. No. 1284. Royal Botanic Garden, Edinburgh, Scotland, P14971.
244527. No. 1283. Royal Botanic Garden Edinburgh, Scotland, ex Hers 2781.
- 244528.** *VIBURNUM STELLULATIM* Wall. ex DC.
No. 1212. Royal Botanic Garden, Edinburgh, Scotland.
- 244529.** *VIBURNUM NUDUM* L.
No. 1241. Royal Horticultural Society Garden, Wisley, England.
- 244530.** *VIBURNUM ODORATISSIMUM* Ker-Gawl. **Sweet viburnum.**
No. 1288. Royal Botanic Garden, Kew, England.
- 244531 to 244533.** *VIBURNUM OPULUS* L. **European cranberrybush.**
244531. No. 1310. 'Aureum'. Royal Horticultural Society Garden, Wisley, England.
244532. No. 1251. 'Xanthocarpum'. Royal Horticultural Society Garden, Wisley, England.
244533. No. 1287. 'Xanthocarpum'. Royal Botanic Garden, Edinburgh, Scotland.
- 244534.** *VIBURNUM PAUCIFLORUM* Raf.
No. 1209. Royal Botanic Garden, Edinburgh, Scotland.

244485 to 244570—Continued**244535 to 244537. VIBURNUM DENTATUM L.**

244535. No. 1250. 'Pubescens'. Royal Horticultural Society Garden, Wisley, England.

244536. No. 1292. 'Pubescens'. Royal Botanic Garden, Kew, England.

244537. No. 1229. Royal Botanic Garden, Kew, England.

244538 to 244540. VIBURNUM RHYTIDOPHYLLUM Hemsl. Leatherleaf viburnum.

244538. No. 1205. Royal Botanic Garden, Edinburgh, Scotland.

244539. No. 1226. Royal Botanic Garden, Kew, England, ex Wilson 238.

244540. No. 1259. Royal Horticultural Society Garden, Wisley, England.

244541. VIBURNUM × RHYTIDOPHYLLOIDES Suringer

No. 1262. Royal Horticultural Society Garden, Wisley, England.

244542 to 244544. VIBURNUM RHYTIDOPHYLLUM Hemsl. Leatherleaf viburnum.

244542. No. 1299. Royal Botanic Garden, Kew, England.

244543. No. 1228. 'Aldenham'. Royal Botanic Garden, Kew, England.

244544. No. 1204. 'Roseum'. Royal Botanic Garden, Edinburgh, Scotland.

244545 to 244547. VIBURNUM SARGENTII Koehne Sargent cranberrybush.

244545. No. 1178. Royal Botanic Garden, Edinburgh, Scotland, ex Wilson 281.

244546. No. 1253. Royal Horticultural Society Garden, Wisley, England.

244547. No. 1303. Royal Botanic Garden, Kew, England.

244548. VIBURNUM CALVUM Rehd.

No. 1293. Royal Botanic Garden, Kew, England.

244549. VIBURNUM SETIGERUM Hance**Tea viburnum.**

No. 1257. Royal Horticultural Society Garden, Wisley, England.

244550. VIBURNUM SIEBOLDII Miquel**Siebold viburnum**

No. 1255. Royal Horticultural Society Garden, Wisley, England.

244551. VIBURNUM STELLULATUM Wall. ex DC.

No. 1265. National Botanic Garden, Dublin, Ireland.

244552 to 244558. VIBURNUM TINUS L.**Laurustinus.**

244552. No. 1180. Royal Botanic Garden, Edinburgh, Scotland.

244553. No. 1260. Royal Horticultural Society Garden, Wisley, England.

244554. No. 1179. 'Lucidum'. Royal Botanic Garden, Edinburgh, Scotland.

244555. No. 1198. 'Lucidum'. Royal Botanic Garden, Edinburgh, Scotland.

244556. No. 1300. 'Lucidum'. Royal Botanic Garden, Kew, England.

244557. No. 1295. 'Variegatum'. Royal Botanic Garden, Kew, England.

244558. No. 1181. 'Variegatum'. Royal Botanic Garden, Edinburgh, Scotland.

244559 and 244560. VIBURNUM PLICATUM Thunb.**Japanese snowball.**

244559. No. 1268. 'Tomentosum'. National Botanic Garden, Dublin, Ireland, ex Wilson W231A.

244560. No. 1243. 'Tomentosum'. Royal Horticultural Society Garden, Wisley, England.

244485 to 244570—Continued**244561.** *VIBURNUM TRILOBUM* Marsh.

No. 1311. Royal Horticultural Society Garden, Wisley, England.

244562 and 244563. *VIBURNUM UTILE* Hemsl.**Service viburnum.****244562.** No. 1218. Royal Botanic Garden, Edinburgh, Scotland.**244563.** No. 1298. Royal Botanic Garden, Kew, England.**244564.** *VIBURNUM VEITCHII* C. H. Wright**Veitch viburnum.**

No. 1266. National Botanic Garden, Dublin, Ireland ex Wilson W1288.

244565. *VIBURNUM VILLOSUM* Sw.

No. 1280. National Botanic Garden, Dublin, Ireland.

244566. *VIBURNUM WRIGHTII* Miquel**Wright viburnum.**

No. 1307. Royal Horticultural Society Garden, Wisley, England.

244567. *VIBURNUM* sp.

No. 1206. Royal Botanic Garden, Edinburgh, Scotland, ex Yii 15064.

244568. *VIBURNUM* sp.

No. 1208. Royal Botanic Garden, Edinburgh, Scotland, ex Rock W15898.

244569. *VIBURNUM DAVIDII* Franch.

No. 1286. Royal Botanic Garden, Edinburgh, Scotland.

244570. *VIBURNUM* sp.

No. 1326. John Innes Horticultural Institute Gardens, England.

244571. *VIGNA SINENSIS* (Torner) Savi Fabaceae.**Cowpea.**

From Guatemala. Seeds presented by the United States Operations Mission, Guatemala City. Received December 12, 1957.

'Tiquisate'. Local strain. Used as green manure. Has rapid growth habit and general freedom from insects and diseases.

244572. *LUPINUS ALBUS* L. Fabaceae.**White lupine.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received December 12, 1957.

Collected in Irati, Parana.

244573. *RICINIUS COMMUNS* L. Euphorbiaceae.**Castorbean.**

From Brazil. Seeds presented by the American Consulate General, Sao Paulo. Received December 16, 1957.

Ana IA-38.

244574. *CITRUS RETICULATA* Blanco Rutaceae. **Mandarin orange.**

From China. Seeds presented by the Department of Horticulture, Agricultural Research Institute, Taipei, Taiwan. Received December 16, 1957.

'Ponkan'.

244575 to 244577. *FRAGARIA VESCA* L. Rosaceae.**European strawberry.**

From Great Britain. Plants presented by R. J. Ruck, Carneddi, Beddgelert, Caernarvon, Wales. Received December 19, 1957.

Propagated in natural isolation for the Nuclear Stock Association, London, England.

244575. 'Cambridge Vigour'.**244576.** 'Early Cambridge'.**244577.** 'Talisman'.

244578. ANEMONE sp. Ranunculaceae.

From Great Britain. Seeds presented by C. Newberry, Bulbs Green, Knebwarth, Herts, England. Received December 13, 1957.

'White Creagh Castle'.

244579 to 244600.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria, Transvaal. Received December 13, 1957.

244579. CROTALARIA ANTHYLLOPSIS Welw. Fabaceae.

Originally from Southern Rhodesia.

244580. CROTALARIA BROWNEI Bert.

Originally from Australia.

244581. CROTALARIA GAZENSIS E. G. Baker

Originally from Southern Rhodesia.

244582. CROTALARIA GRAHAMIANA Wight & Arn.

Originally from Australia.

244583. CROTALARIA INCANA L.**244584 to 244587. CROTALARIA INTERMEDIA Kotschy Slenderleaf crotalaria.**

244584. No. 1.

244585. No. 2. From South Africa.

244586. No. 3. Originally from Australia.

244587. No. 4. 'Gunson'. Gunson's Seed Firm. (Local).

244588. CROTALARIA LACHNOCARPA Hochst.

Originally from Southern Rhodesia.

244589. CROTALARIA LANCEOLATA E. Mey.

Lance crotalaria.

Originally from Australia.

244590 and 244591. CROTALARIA MUCRONATA Desv.

Striped crotalaria.

244590. From Paraguay.

244591. From Congo.

244592. CROTALARIA MYSORENSIS Roth

Originally from Southern Rhodesia.

244593. CROTALARIA PAULINA Schrank.**244594. CROTALARIA RECTA A. Rich.****244595. CROTALARIA RHODESIAE E. G. Baker**

Originally from Southern Rhodesia.

244596. CROTALARIA SPECIOSA Heyne

Originally from Southern Rhodesia.

244597. CROTALARIA SPECTABILIS Roth**244598. CROTALARIA USARAMOENSIS Baker f.****244599. CROTALARIA VERRUCOSA L.****244600. CROTALARIA INCANA L.**

244601 to 244609. ARACHIS HYPOGAEA L. Favaceae. Peanut.

From Tanganyika. Seeds presented by the Director of Agriculture, Dar es Salaam. Received December 16, 1957.

Selections that show resistance to *Cercospora* spp.

- | | |
|---------------------------|-----------------------------------|
| 244601. 'Kanyoma'. | 244606. 'Mwitunde II'. |
| 244602. 'Kongwa Runner'. | 244607. 'Mwitunde'. (Unselected.) |
| 244603. 'Kutambaa'. | 244608. 'Samaru'. |
| 244604. 'Maloya Tunduru'. | 244609. 'Wima'. |
| 244605. 'Matevere'. | |

244610 to 244612.

From Kenya. Seeds presented by R. J. Godbey, Kendall, Florida. Received December 16, 1957.

244610. BRACHYCHITON POPULNEUS R. Br. Sterculiaceae. **Black kurrajong.**
 244611. FICUS MALLATOCARPA Warb. Moraceae.
 244612. ONCOBA ROUTLEDGEI Sprague Flacourtiaceae.

244613 to 244617.

From Nigeria. Seeds presented by F. R. Irvine, Pendle Hill, Wallingford. Received December 16, 1957.

244613. BRACHYSTEGIA EURYCOMA Harms Caesalpiniaceae.

A large tree; wood is a possible substitute for mahogany; the seed are used as a soup thickening.

244614. PENTACLETHRA MACROPHYLLA Benth. Mimosaceae.

Tree produces pods to 18 inches long; seeds yield to 45 percent oil and are rich in protein, exceeded only by *Glycine max* and *Vicia faba*, but are poor in starch; beans are commonly eaten after roasting but used more as a condiment than as a staple food; oil used in soups, for candles, and for lubrication.

- 244615 to 244617. SPHENOSTYLIS STENOCARPA (Hochst.) Harms Fabaceae.

244615 and 244616. Grown by the Ibo tribe.

244615. Seeds brown.

244616. Seeds white.

244617. Grown by the Ibibio tribe. Seed black.

244618 to 244622. CHRYSANTHEMUM (hybrids). Asteraceae.

From China. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered December 17, 1957.

Originally received January 16, 1957, from R. E. Baker, United States Operations Mission, Taipei, Taiwan.

244618. No. 10. 'Happy God'. Flowers deep red.
 244619. No. 11. 'Taiwan'. Flowers white.
 244620. No. 20. 'Imperial Pavilion'. Flowers red.
 244621. No. 21. 'Autumn of Taiwan'. Flowers yellow.
 244622. No. 25. 'Wongsi Lion'. Flowers multicolored.

244623 to 244638.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received December 17, 1957.

244623. NICOTIANA INGULBA J. M. Black Solanaceae.

T.S. No. 123.

244623 to 244638—Continued244624 to 244628. *NICOTIANA STENOCARPA* Wheeler

244624. T.S. No. 178.

244627. T.S. No. 217.

244625. T.S. No. 185.

244628. T.S. No. 221.

244626. T.S. No. 189.

244629 to 244634. *NICOTIANA VELUTINA* Wheeler

244629. T.S. No. 107.

244632. T.S. No. 149.

244630. T.S. No. 112A.

244633. T.S. No. 151.

244631. T.S. No. 141.

244634. T.S. No. 152.

244635. *NICOTIANA INGULBA* J. M. Black

T. S. No. 155.

244636. *NICOTIANA INGULBA* J. M. Black

T. S. No. 156.

244637. *NICOTIANA STENOCARPA* Wheeler

T. S. No. 174.

244638. *NICOTIANA VELUTINA* Wheeler

T. S. No. 288.

244639. STACHYS SIEBOLDII Miquel *Menthaceae.***Chorogi.**

From Japan. Tubers presented by the Hokkaido University, Sapporo, Hokkaido.
Received December 17, 1957.

244640 to 244659.

From Great Britain. Plants presented by Waithman Nurseries, Silverdale
Carnforth, Lancaster, England. Received December 18, 1957.

244640. *ABIES BALSAMEA* (L.) Mill. *Pinaceae.***Balsam fir.**

'Nana'.

244641 and 244642. *CRYPTOMERIA JAPONICA* (L. f.) D. Don *Pinaceae.*

244641. 'Knaptonensis'.

244642. 'Nana Alba Spicata'.

244643 and 244644. *CHAMAECYPARIS LAWSONIANA* (Murr.) Parl. *Pinaceae.***Lawson falsecypress.**

244643. 'Ellwoodii'.

244644. 'Gimbornii'.

244645 and 244646. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl.**Hinoki falsecypress.**

244645. 'Juniperoides Compacta'.

244646. 'Kosteri'.

244647 to 244650. *CHAMAECYPARIS PISIFERA* (Sieb. & Zucc.) Endl.**Sawara retinospora.**

244647. 'Compacta'.

244649. Rogersii'.

244648. 'Plumosa Aurea Nana'.

244650. 'Squarrosa Argentea'.

244651. *CYTISUS ARDOINII* Fourn. *Fabaceae.*244652. *DAPHNE ARBUSCULA* Celak. *Thymelaeaceae.*244653. *ILEX CRENATA* var. *NUMMULARIA* Fr. & Sav. *Aquifoliaceae.* **Holly.**244654. *POTENTILLA FRUTICOSA* L. *Rosaceae.***Shrubby cinquefoil.**

'Beesii'.

244640 to 244659—Continued244655 and 244656. *THUJA OCCIDENTALIS* L. Pinaceae.

244655. 'Hillieri'.

244656. 'Rheingold'.

244657 and 244658. *THUJA ORIENTALIS* L.

Oriental arborvitae.

244657. 'Juniperoides'.

244658. 'Meldensis'.

244659. *THUJA PLICATA* D. Don

'Aurea Rogersii'.

244660 and 244661. COFFEA ARABICA L. Rubiaceae. **Arabian coffee.**

From El Salvador. Seeds presented by the Instituto Salvadoreño de Investigaciones del Café, Santa Tecla. Received December 18, 1957.

244660. SL 28—No. 57110.

244661. SL 34—No. 57111.

244662 to 244680.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received December 19, 1957.

244662. *ARTHAXON* sp. Poaceae.

I.W. 1190.

244663 and 244664. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

244663. Early.

244664. Late.

244665 and 244666. *EULALIOPSIS BINATA* (Retz.) C. E. Hubb. Poaceae.

244665. No. 1.

244666. I.W. 1191.

244667 to 244670. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

244667. N.P. 34.

244669. N.P. 51.

244688. N.P. 41.

244670. N.P.U. 6A.

244671. *HORDEUM* sp. Poaceae.244672. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.**Tomato.**244673. *MEDICAGO OBSCURA* Retz. Fabaceae.244674. *MEDICAGO SATIVA* var. *GLUTINOSA* (Bieb.) Urban**Alfalfa.**244675 and 244676. *PASPALUM SCROBICULATUM* L. Poaceae.

244675. 694-1 (I.C. 5165)

244676. 80-2 (I.C. 5166)

244677. *TRIFOLIUM BALANSAE* Boiss. Fabaceae.**Clover.**244678. *TRIFOLIUM GLOBOSUM* L.244679. *TRIFOLIUM ISTHMOCARPUM* Brot.244680. *TRITICUM AESTIVUM* L. Poaceae.**Common wheat.****244681 to 244684. ORYZA SATIVA** L. Poaceae.**Rice.**

From Cuba. Seeds presented by the Lone Star Farm, Cienfuegos. Received December 20, 1957.

244681. A.

244683. P.

244682. B.

244684. 'Dima.'

244685 to 244687.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered December 23, 1957.

Presented by the Missouri Botanic Garden, St. Louis, Missouri.

244685. *HEDERA HELIX* L. Araliaceae.

English ivy.

'Bulgaria'. Collected by E. Anderson near Rila Monastery, Bulgaria. A juvenile form.

244686 and 244687. *ILEX AQUIFOLIUM* L. Aquifoliaceae.

English holly.

244686. 'Balkan'. (Female.) From central Bosnia, Yugoslavia.

Woods above Serajevo, elevation 1,000 feet. A Balkan form originally sent in by Edgar Anderson.

244687. 'Balkan'. (Male.) From central Bosnia, Yugoslavia.

244688 and 244689.

From France. Seeds presented by the Ministere de l'Agriculture, Antibes. Received December 26, 1957.

244688. *RUSCUS* sp. Convallariaceae.

244689. *VERONICA BALDWINII* Torr. Scrophulariaceae.

244690. *RUSCUS ACULEATUS* L. Convallariaceae. **Butcher's-broom.**

From Italy. Seeds presented by the Amministrazione Borromeo, Milan. Received December 26, 1957.

244691 and 244692.

From the United States. Seeds presented by the California State Department of Agriculture, Forestville, Sonoma County, California. Received December 26, 1957.

244691. *ANGELICA ARGUTA* Nutt. Apiaceae.

No. 391-57.

244692. *ANGELICA TOMENTOSA* S. Wats.

No. 406-57.

244693 and 244694. *LITCHI CHINENSIS* Sonner Sapindaceae.

Lychee.

From China. Trees presented by Yuan-ping Hung, Pintung, Taiwan. Received December 26, 1957.

244693. 'Black Leaf'.

244694. 'Kwie-Way'.

244695 to 244701.

From France. Seeds presented by the Jardin Botanique, Nancy. Received December 26, 1957.

244695. *ANGELICA HETEROCARPA* Lloyd Apiaceae.

244696. *CARTHAMUS LANATUS* L. Asteraceae.

244697. *EUPHORBIA PEPLIS* L. Euphorbiaceae.

244698. *EUPHORBIA PLATYPHYLLOS* L.

244699. *MERCURIALIS ANNUA* L. Euphorbiaceae.

244700. *SYMPHYTUM* sp. Boraginaceae.

244701. *TETRAGONOLOBUS REQUIENII* (Mauri) Fisch. Fabaceae.

244702 to 244707.

From Brazil. Plants growing at the Regional Plant Introduction Station, Experiment, Georgia. Numbered December 26, 1957.

Selections made by Dr. Olympio D. Toledo Prado, Instituto Agronomico, Campinas, Sao Paulo.

244702 to 244704. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. **Squash.**

244702. G. 2628. 'Moranga'. Fruits flattened; orange.

244703. G. 2629. 'Verde 610 Moganga'. Fruits cylindric, green.

244704. G. 2630. 'Ovo de Ganzo 619 Moganga'. Fruits the size of small 'Table Queen'; buff. Quality good.

244705 to 244707. *CUCURBITA MOSCHATA* Duchesne **Cushaw.**

244705. G-2631. 'Menina Amarela 724'. Fruits large, crookneck, buff.

244706. G-2632. 'Paca 595'. Fruits large, oval, green mottled with orange.

244707. G-2633. 'Tatur'. Fruits oval; buff.

244708 to 244716.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered December 26, 1957.

Localities given are original sources of material.

244708. *ALLIUM CEPA* L. Liliaceae. **Common onion.**

G-2227. 'Owen Button'. From Fulton, N.Y., called 'Mother's Button' around Fulton.

244709. *ALLIUM PORRUM* L. **Leek.**

G-2483. 'Italian Leek'. Grown by Italian-Americans near Painted Post, N.Y.

244710 to 244712. *ALLIUM SATIVUM* L. **Garlic.**

244710. G-6100. 'Egyptain Garlic'. From Seabrook, N.H.

244711. G-6563. 'Perennial Garlic'. From Fort Worth, Texas.

244712. G-6564. 'Oriental Garlic'. From a California seed firm.

244713. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon**

G-6611. 'Mango Melon Chito'. Found in a seed packet of 'Surecrop' from Hart Seed Co., Wethersfield, Conn. Flesh firm, sweet.

244714. *CUCUMIS MELO* var. *INODORUS* Naudin

G-5619. 'Turkish Honeydew'. From Turkey. Fruits 8 by 7 inches diameter; rind orange and green; flesh orange and white. Free from wilt and mosaic.

244715. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

G-2272. 'Black Mexican'. From Cornwall, England, but originally from Mexico. Bush to half runner type.

244716. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**

G-2629. A nearly prostrate form introduced from Turkey with seeds of *Capsicum frutescens* in 1949. Fruits oblong ovate, to 6 inches long, purple turning dull brown.

244717 to 244721.

From Great Britain. Seeds presented by F. J. Williams, St. Austell, Cornwall, England. Received December 27, 1957.

244717. *Ilex sikkimensis* Kurz. Aquifoliaceae. **Holly.**
Originally from China.

244718. *Ilex insignis* Hook. f.
No. 27767.

244719. *Photinia* sp. Malaceae.
Originally from China.

244720. *Hartia sinensis* Dunn. Theaceae.
No. 24406. Shrub to 20 feet high; flowers creamy white.

244721. *Camellia reticulata* Lindl. Theaceae. **Netvein camellia.**
Wild form. Originally from S. W. China.

244722. *Zizania latifolia* (Griseb.) Stapf Poaceae. **Wild rice.**
From Japan. Seeds presented by the Gifu University, Gifu. Received December 27, 1957.

Collected from wild plants in the stream near the University.

244723 to 244726. *Malus sylvestris* Mill. Malaceae. **Common apple.**

From Spain. Trees and scions presented by the Estacion Pomologica Villaviciosa, Asturias. Received December 27, 1957.

Tree medium size, vigorous, heavy producer; fruit flattened with the calyx cavity characteristic of the Carapono, red and yellow-orange.

244723. 'Carapono'. **244725.** 'Solafuente'.

244724. 'Mingan'. **244726.** 'Vigneole de Monton'.

244727. *Oryza sativa* L. Poaceae. **Rice.**

From Cuba. Seeds presented by an unknown donor, Jobabo. Received December 30, 1957.

'Experanza'.

244728 to 244732.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received December 30, 1957.

244728 to 244730. *Corchorus capsularis* L. Tiliaceae. **Jute.**

244728. 'Huwei Green Bark No. 7'.

244729. 'Shui-shang Green Bark'.

244730. 'Taichung Special No. 1'.

244731. *Hibiscus mutabilis* L. Malvaceae.

244732. *Hibiscus* sp.

INDEX OF COMMON AND SCIENTIFIC NAMES

*If the species of a genus do not have distinct common names they share the same common name as the genus.

- Abelia chinensis*, 242386.
engleriana, 242387.
floribunda, 243011.
spathulata, 239228, 242388.
triflora, 239229, 242389, 242921.
umbellata, 239230.
zanderi, 242390.
- Abelia*, Himalaya. See *Abelia triflora*.
 Japanese. See *A. spathulata*.
 Mexican. See *A. floribunda*.
- Abies balsamea*, 237219, 238579, 244640.
balsamea var. *hudsonia*, 238578.
concolor, 237307-237310.
nebrodensis, 237827.
nordmanniana, 237220.
numidica, 238008.
pinsapo, 238009, 238580.
recurvata, 238010.
- Abroma augusta*, 236424.
- Abutilon hybridum*, 242060.
insigne, 242307.
megapotamicum, 242308.
vitifolium, 242309.
 sp., 242310.
- Acacia bonariensis*, 241114.
cardiophylla, 241403.
cibaria, 241874.
dealbata, 241208.
horrida, 241873.
howittii, 241349, 241850.
pendula, 241093, 241207, 241482.
raddiana, 239033.
spirocarpa, 239034.
willardiana, 240699.
 sp., 244038.
- Acalypha australis*, 242636.
- Acanthopanax henryi*, 240677.
trifoliatus, 239991.
- Acer acuminatum*, 239674.
buergerianum, 238593.
caesium, 237918.
caudatum var. *ukurunduense*, 238100.
davidii, 243236.
flabellatum, 243231, 243233.
glabrum, 236660, 244346.
glabrum var. *douglasii*, 244347.
grosseri, 243234.
grosseri var. *hersii*, 243235.
lobelii, 238161.
negundo, 238101.
palmatum, 238102.
platanoides, 237221.
rufinerve, 237835, 238103.
sikkimense, 242266.
wilsonii, 238162.
 sp., 237432, 242322.
- Achimenes coccinea*, 241894.
lanata, 241602.
- Aconitum* sp., 237433, 237434.
- Actaea rubra*, 236661.
rubra f. *neglecta*, 236662.
- Acuan* sp., 240701.
- Ada aurantiaca*, 240486.
- Adenandra umbellata*, 241229.
- Adenium obesum*, 240893, 242545.
- Adenocarpus anagyriifolius*, 241350.
complicatus, 238759.
- Adesmia muricata*, 238221.
- Adhatoda duvernoia*, 237612.
vasica, 238876.
- Adina pilulifera*, 237836.
- Adlay*. See *Coix lacryma-jobi* var. *mayuen*.
- Aerangis modesta*, 242684.
- Aeranthus ramosa*, 242685.
 sp., 242783.
- Aesculus chinensis*, 238163, 238164.
hippocastanum, 237222, 237919, 240524.
 × *hybrida*, 237224, 237225.
neglecta var. *tomentosa*, 237223.
- Agapanthus orientalis*, 242517.
- Agapetes burifolia*, 243953.
 sp., 243308, 243321.
- Agave lecheguilla*, 238919.
parryi, 242661.
polyacantha, 243553.
sisalana, 236425.
utahensis var. *nevadensis*, 236360.
 sp., 238887, 239934, 243554, 243555.
- Agropyron buonapartis*, 239709, 239710.
dasystachyum, 236663-236667.
elongatum, 238222.
inermis, 236668-236672.
intermedium, 240129.
kosanini, 237636.
latiglume, 236673-236675.
orientale, 239711, 239712.
pseudorepens, 236676.
repens, 240128.
scabriglume, 238225.
semicostatum, 238223.
smithii, 236677, 236678.
smithii var. *molle*, 236679, 236680.
spicatum, 236681-236683.
subsecundum, 236684-236698.
trachycaulum, 236699-236728.
ugamicum, 238224.
 sp., 240130, 243217.
- Agrostis castellana*, 240131-240145.
pallida, 238226.
tenuis, 237717.
- Albizzia lebbek*, 238121-238139.
 sp., 236361, 241374, 241375.
- Alder. See *Alnus orientalis*.
- Aleurites montana*, 237154, 240625-240630.
- Alfalfa. See *Medicago sativa*.
 yellow-flowered. See *M. falcata*.

- Allium aflatunense*, 236298.
angulosum, 236299-236301, 236312.
beesianum, 236302.
campanulatum, 236303.
cepa, 239633, 243008, 244708.
cernuum, 236729.
chamoemoly, 239036.
cyaneum, 236304.
cyalophorum var. *farreri*, 236305, 236306.
dioscoridis, 236337.
elatum, 236307.
fistulosum, 236308.
giganteum, 236309.
heldreichii, 236310.
hymenorrhizum, 236311.
kansuense, 236338.
karataviense, 236313, 236339.
macranthum, 236314, 236340.
margaritaceum, 236333, 236341.
mariae, 236315.
moly, 236316.
narcissiflorum, 236317.
nigrum, 236318, 236342, 240525.
obliquum, 236319, 236336.
ochroleucum, 236353.
oreophilum, 236320.
ostrowskianum, 236343.
paniculatum, 236321.
platyspathum, 236344.
polyastrum, 236345.
porrum, 244709.
pskemense, 236322.
ramosum, 236323.
rubellum, 243009.
sativum, 237107, 244710-244712.
schoenoprasum, 236324.
siculum, 236325.
stellatum, 236326.
stipitatum, 236327.
triquetrum, 236328.
ursinum, 236329.
victorialis, 243010.
sp., 236330, 236331, 236332, 236334, 236335, 236346, 236347, 236348, 236349, 236350, 236351, 236352, 237155, 237435, 237436, 241626.
Almeida rubra, 240434.
Almond. See *Prunus amygdalus*.
Alnus orientalis, 238011.
Alocasia cucullata, 242013.
macrorrhiza, 241466.
portei, 242026.
wavriniana, 242014.
Aloe africana, 239471.
claviflora, 239472.
pienaaraii, 239473.
thraskii, 239474.
Alonsoa *sp.*, 241627.
Alopecurus alpinus, 241035, 241036.
aequalis, 236730-236732.
arundinaceus, 237637, 240146-240148.
pratensis, 236600.
utriculatus, 238227.
Alpinia intermedia, 237837, 237838.
Alstroemeria ligtu, 241628.
sp., 241629.
Alysicarpus rugosus, 240410.
Alyxia daphnoides, 242311.
Amaralia sherbourniae, 242312.
Amblygonocarpus obtusangulus, 242256.
Amblygonum pilosum, 242637.
Amelanchier alnifolia, 236733, 236734, 241037.
canadensis, 240740.
florida, 236735-236737.
Amicia zygomeres, 242922.
Ammi visnaga, 242638.
Amomum harmandii, 237690.
ovoideum, 237691.
Amorphophallus titanum, 240624.
Ampelocissus latifolia, 237634.
Amphilophium paniculatum, 238888.
Anagyris foetida, 238760.
Ananas comosus, 236423, 241630.
Anchomanes hookeri, 242313.
Andropogon distachyon, 240313.
gayanus, 243901.
lateralis, 238228.
paniculatus, 238229.
sp., 237110, 238211, 239156, 239158, 239160, 239503, 241493.
Anemone flaccida, 239582.
multifida, 237121.
nemorosa, 238519.
nikoensis, 239583.
raddeana, 239584.
sp., 244578.
Angelica acutiloba, 242639.
archangelica, 239238.
arguta, 244691.
atropurpurea, 241306, 241307.
dahurica, 242640.
heterocarpa, 244695.
mayebarana, 236255.
sylvestris, 244358, 244368.
tomentosa, 241595, 244692.
sp., 241953, 241954, 241956, 241957, 241958, 241959.
Angraecum calceolus, 242686, 242687.
compactum, 242688.
flicornu, 242689.
humblotii, 242690.
kotschyi, 244031.
obesum, 242691.
sp., 242763, 242765.
Annona coriacea, 240593.
Ansellia gigantea var. *nilotica*, 242778.
Anthericum *sp.*, 241836.
Anthocleista zambesiaca, 236362.
Anthoxanthum amarum, 238230.
Anthurium digitatum, 238867.
radicans, 240497.
scandens, 240614.
scherzerianum, 237644.
sp., 238600.
Anthyllis hermanniae, 238761.
tetraphylla, 239858.

- Antirrhinum calycinum*, 239442.
glutinosum, 242030.
linkianum, 238762.
majus, 239365, 239443.
parviflorum, 239444.
tortuosum, 239992, 239993, 241851.
Aphyllanthes monspeliensis, 239357.
Apluda mutica, 239504, 239505, 241494, 241495.
Apollonias canariensis, 238868, 240115.
Aponogeton leptostachyum, 243879.
 Apple. See *Malus* spp.*
 common. See *M. sylvestris*.
 Apple-of-Peru. See *Nicandra physalodes*.
 Apricot. See *Prunus armeniaca*.
 Japanese. See *P. mume*.
Arachis glabrata var. *hagenbeckii*, 243334.
hypogaea, 237337, 237338, 237507-237511, 239037-239040, 240542-240584, 241631-241633, 242100-242103, 244039, 244601-244609.
Araucaria sp., 236624.
Araujia sericifera, 238498, 241098.
 Arborvitae, oriental. See *Thuja orientalis*.
Arbutus andrachne, 241319.
glandulosa, 241351.
Arctostaphylos glauca, 242260.
rubra, 236738.
Ardisia, coral. See *Ardisia crispa*.
Ardisia crenata, 237840.
 crispa, 236212, 237841.
 humilis, 240753, 241202.
 japonica, 237842.
 sp., 237843, 237844, 237845.
Argyreia hirsuta, 242314.
Arisaema fargesii, 241138.
 serratum var. *atropurpureum*, 237846.
 serratum f. *thunbergii*, 237849.
 urashima, 239585.
 sp., 237847, 237848.
Aristolochia argyroneura, 242315.
 elegans × *A. grandiflora*, 241404.
 grandiflora, 237953.
 westlandii, 243316.
 sp., 237437.
Aristolochia chilensis, 238763.
Arpophyllum gigantea, 240487.
Arrhenatherum elatius, 236601, 237173, 237706.
 palaestinum, 238231.
Arthraxon hispidus, 239500, 239502, 240345.
 sp., 244662.
Arthrostyidium longifolium, 240702.
Arundinaria sp., 240615, 241895.
Arundo sp., 238212.
Asarum caudigerum, 237674.
 grandiflorum var. *colecasiifolium*, 237675.
 leptophyllum, 237676.
 macranthum, 237677.
 Ash, European. See *Fraxinus excelsior*.
 Pax. See *F. paziana*.
 Aspen, European. See *Populus tremula*.
Asphodelus albus, 238745.
 cerasiferus, 239372.
Asplenium adiantum var. *nigrum*, 238681.
Aster novi-belgii, 243938, 243940-243945, 243947-243949, 243951, 243952, sp., 243939, 243946, 243950.
Astilbe sp., 237438.
Astragalus aboriginum, 236739, 236740.
 agrestis, 236741.
 alpinus, 236742.
 americanus, 236743, 241038.
 bisulcatus, 241039.
 canadensis, 236744.
 canadensis var. *brevidens*, 241040.
 collinus, 236745.
 crassicaulus var. *paysoni*, 236746.
 hamosus, 244274-244276, 244308, 244359.
 lentiginosus, 236747.
 lentiginosus var. *tremulatorum*, 241041.
 miser var. *oblongifolius*, 241042.
 miser var. *serotinus*, 236748.
 scorpioides, 244277.
 sinicus, 241587.
 stella, 244309, 244310.
 striatus, 236749.
 tenellus, 236750.
 vernus, 244369.
 sp., 236751, 237439, 238140, 238141, 244273, 244370.
Astrebla pectinata, 238232.
 sp., 240829.
Athyrium felix-femina, 238682.
Atropa belladonna, 241341.
Aucuba, Japanese. See *Aucuba japonica*.
Aucuba japonica, 236210, 236211.
Avena sativa, 237090, 238982, 241849, 243045-243048, 243289, 243290, 244463-244483.
 sp., 243004.
 Avocado. See *Persea americana*.
Azonopus compressus, 237128.
 ulei, 238233.
 Azalea. See *Rhododendron indicum*.
Azara integrifolia, 242391.
 microphylla, 242846.
 uruguayensis, 240304.
Baccharis rosmarinifolia, 240109.
Baikaia plurijuga, 242152.
Baillonia sp., 241352.
Ballota acetabulosa, 239364, 241024.
 Balsam-pear. See *Momordica charantia*.
 Bamboo. See *Arundinaria* spp.*
Chusquea culeou, *Dendrocalamus strictus*, *Phyllostachys makinoi*, *Sinarundinaria* spp.*
 Baneberry. See *Actaea rubra* f. *neglecta*.
 red. See *A. rubra*.

- Banksia grandis*, 241928.
integrifolia, 241310, 241914.
latifolia, 241094.
prionotes, 239489.
verticillata, 240754.
- Barberry. See *Berberis* spp.*
 Japanese. See *B. thunbergii*.
- Barley. See *Hordeum* spp.*
 bulbous. See *H. bulbosum*.
- Barnadesia spinosa*, 241209.
- Bauhinia reticulata*, 237419.
 sp., 238912.
- Bean, Adzuki. See *Phaseolus angularis*.
 common. See *P. vulgaris*.
 Lima. See *P. lunatus*.
 Mung. See *P. aureus*.
 Snail. See *P. caracalla*.
 tepary. See *P. acutifolius* var.
latifolius.
- Beaufortia sparsa*, 243885.
- Beautyberry. See *Callicarpa* spp.*
 Japanese. See *C. japonica*.
 purple. See *C. dichotoma*.
- Beckmannia syzigachne*, 241043.
 sp., 241044.
- Beech. See *Fagus orientalis*.
 European. See *F. sylvatica*.
- Beet. See *Beta vulgaris*.
- Beggarweed. See *Desmodium* spp.*
- Begonia* (hybrids), 241212, 142558.
acetosa, 241210.
augustae, 242546.
barkeri, 241211, 242547.
caroliniaefolia, 242548.
cathayana, 242549.
convolvulacea, 241213, 242551.
cooperi, 242550.
crispula, 242662.
daedalea, 242552.
dregei, 242453.
epipsila, 242554.
erythrophylla, 240616.
fagifolia, 242555.
fernando-costae, 242581.
fusca, 241139.
gigantea, 241214, 242556.
herbacea, 241215.
inflata, 242557.
lindleyana, 237983.
luxurians, 242317, 242560.
malabarica, 242561.
manicata, 241293.
mannii, 242562.
masoniana, 241217.
maxima, 238947.
mexicana, 241216.
natalensis, 242563.
paulinsis, 238723, 241976.
phyllomaniaca, 242573.
prismatocarpa, 242318.
quadrilocularis, 242564.
rajah, 242319, 242565.
rex, 240527.
rigida, 242566, 242567.
rotundifolia, 242568.
roxburghii, 242569.
- Begonia*—Continued
rubro-venia, 242570.
scharffii, 241140.
serratifolata, 241218, 242571.
ulmifolia, 242572.
venusta, 241219.
 sp., 237440, 237441, 237944, 241141,
 241142, 241220, 241634, 242559,
 242574-242580, 242582, 242583.
- Belladonna. See *Atropa belladonna*.
- Bencomia caudata*, 238869.
- Berberis* × *bristolensis*, 242663.
 × *chenaultii*, 238209.
heterophylla, 236993.
 × *hybrido-gagnepainii*, 237351,
 242267.
lepidifolia, 243806.
thunbergii, 237226.
valdiviana, 242584.
veitchii, 238641.
 sp., 238210, 238640.
- Bernardia grandifolia*, 340678.
- × *Bertolonia houtteana*, 242320.
- Beta macrorhiza*, 241115.
trigyna, 242383.
vulgaris, 238983.
 sp., 243218.
- Betula glandulosa*, 236752.
medwediewii, 238012.
- Bignonia* sp., 238889, 240703.
- Birch. See *Betula medwediewii*.
 bog. See *B. glandulosa*.
- Blackberry, Colombian. See *Rubus macrocarpus*.
- Blechnum chilense*, 243980.
- Blueberry. See *Vaccinium* spp.*
 Oriental. See *V. bracteatum*.
- Bluegrass. See *Poa* spp.*
 annual. See *P. annua*.
 big. See *P. ampla*.
 bulbous. See *P. bulbosa*.
 Canada. See *P. compressa*.
 Greenland. See *P. glauca*.
 Kentucky. See *P. pratensis*.
 Roughstalk. See *P. trivialis*.
- Bluestem. See *Andropogon* spp.*
- Boehmeria biloba*, 239076.
macrophylla, 240752.
nivea, 236426-236434.
utilis, 236435, 236436.
- Boenninghousenia* sp., 237442.
- Boltonia latisquama*, 241952.
- Bosea amherstiana*, 240810, 241379.
- Bossiaea foliosa*, 238234.
- Bothriochloa decipiens*, 239152, 239153,
 239162, 239163, 240830, 241499.
intermedia, 237553, 239164-239167,
 240831-240833, 241496-241498.
- Bottlebrush. See *Callistemon* spp.*
- Bougainvillea glabra*, 238764, 241896.
- Boussieria succulenta*, 240028.
- Bouteloua curtipendula*, 241045.
gracilis, 241046.
heterostegia, 238235.
- Bouvardia longiflora*, 243886.
 sp., 243887, 243888.

Bowkeria gerrardiana, 241095.
 Box. See *Buxus* spp.*
 common. See *B. sempervirens*.
 Japanese. See *B. microphylla* var. *japonica*.
 Spanish. See *B. balearica*.
 Boxelder. See *Acer negundo*.
Brachiaria lata, 238236.
 ruziensis, 238237.
Brachyachne convergens, 238238.
Brachychiton populneus, 244610.
Brachypodium distachyon, 239713–239716.
 pinnatum, 237791, 240150, 240151.
 ramosum, 238239.
 sylvaticum, 237792.
Brachystegia eurycoma, 244613.
Brassavola fragrans, 240488.
Brassica oleracea var. *botrytis*, 241588, 241589, 241609–241623, 244663, 244664.
 oleracea var. *gemmifera*, 243049–243051.
 oleracea var. *gongylodes*, 238984.
 oleracea var. *viridis*, 236256–236259.
 pekinensis, 241590.
 rapa, 236485.
Bredia hirsuta, 237850.
 tuberculata, 242335.
Brexia madagascarensis, 240029.
 Broadbean. See *Vicia faba*.
 Brome. See *Bromus* spp.*
 bald. See *B. racemosus*.
 California. See *B. carinatus*.
 Columbia. See *B. vulgaris*.
 field. See *B. arvensis*.
 fringed. See *B. ciliatus*.
 meadow. See *B. erectus*.
 mountain. See *B. marginatus*.
 nodding. See *B. anomalus*.
 quaking. See *B. brizaeformis*.
 Spanish. See *B. madritensis*.
Bromus (hybrids), 238244, 238245, 238247.
 anomalus, 236753.
 arduennensis, 238240.
 arenarius, 238241.
 arvensis, 240153, 243288.
 breviaristatus, 238242.
 brizaeformis, 238243.
 carinatus, 236754–236757.
 ciliatus, 236758–236763.
 danthoniae, 238246, 239717.
 erectus, 240152.
 japonicus, 239718–239721.
 madritensis, 239722.
 marginatus, 236765–236773, 241047, 241048.
 polyanthus, 238248.
 pumpellianus, 236764, 236774, 236775.
 racemosus, 239723.
 ramosus, 238249.
 sitchensis, 238250.
 stamineus, 238251.
 tomentosus, 240154.

Bromus—Continued
 vulgaris, 236776.
 willdenowii, 237793.
 sp., 237794.
Brongniartia sp., 240877.
 Broom. See *Cytisus* spp.*
 Aetna. See *Genista aethnensis*.
 Scotch. See *Cytisus scoparius*.
 silkyleaf. See *Genista pilosa*.
 spike. See *Cytisus nigricans*.
Browallia sp., 241635, 241636.
Brunfelsia calycina, 242627, 243954.
Brunsvigia rosea, 238946.
 Buckeye. See *Aesculus* spp.*
 Buckthorn. See *Rhamnus* spp.*
Buddleia colvilei, 239675.
 cordata, 238765.
 crispa var. *farreri*, 239332, 241018.
 curviflora, 237851.
 fallowiana, 241221, 242268.
 grandiflora, 240030.
 nappii, 242269.
Bulbophyllum auriflorum, 242693–242696.
 dendrochiloides, 242697.
 habropus, 242698.
 leucolhyrsus, 242699.
 minutipetalum, 242700.
 monosepalum, 242701.
 multiflorum, 242702–242704.
 occlusum, 242705.
 serratum, 242706.
 sparsifolium, 242707, 242708.
 urosepalum, 242709.
 sp., 242710, 242711, 242766, 242768, 242771, 242773, 242775, 242784, 242786, 242788, 242789.
Bunchosia argentea, 242321.
Burbridgea schizocheila, 242616.
 Burclover, California. See *Medicago polymorpha* var. *vulgaris*.
Bursera fagaroides, 240878.
 Butcher's-broom, narrow-leaved. See *Ruscus aculeatus*.
Bulia yatay, 241373.
 Buttercup. See *Ranunculus* spp.*
 creeping. See *R. repens*.
 Mediterranean. See *R. ophioglossifolius*.
 tall. See *R. acris*.
 Butterflybush. See *Buddleia* spp.*
 Buttonclover. See *Medicago orbicularis*.
Buxus balearica, 240340, 240937.
 harlandii, 240938.
 microphylla, 240756, 240939–240944.
 microphylla var. *japonica*, 240755, 240945.
 microphylla var. *koreana*, 240946.
 microphylla var. *sinica*, 240947.
 sempervirens, 238013, 240528, 240923, 240949–240971, 242518–242525, 242847.
 sempervirens var. *myrtifolia*, 240948.

- Cabbage, Chinese. See *Brassica pekinensis*.
- Cacao. See *Theobroma cacao*.
- Cadetia chionantha*, 242712.
- Caesalpinia peltophoroides*, 244020.
- platyloba*, 240704.
- Caladium X hortulanum*, 240500.
- Calandrinia cymosa*, 241637.
- Calathea fasciata*, 242392.
- flavescens*, 242393.
- nigricans*, 242322.
- rufibarba*, 242394.
- Calceolaria* sp., 241638.
- Calendula algeriensis*, 238091.
- suffruticosa* var. *balansae*, 238092.
- Calliandra* sp., 238577.
- Callicarpa dichotoma*, 239231.
- japonica* var. *angustata*, 239232.
- japonica* var. *leucocarpa*, 239233.
- japonica* var. *luxurians*, 237852.
- macrophylla*, 240796.
- tosaensis*, 237853.
- Callistemon*, *pachyphyllus*, 242153.
- rugulosus*, 240585.
- teretifolius*, 236447, 237293, 240586, 242154.
- Callitris cupressiformis*, 236363, 242031.
- roei*, 239490.
- Calonyction aculeatum*, 237091.
- sp., 241639.
- Calothamnus longissimus*, 242155.
- rupestris*, 242156.
- Calotropsis gigantea*, 241845.
- Calpurnia aurea*, 237613.
- Calvoa orientalis*, 238510.
- Camel hay. See *Cymbopogon schoenanthum*.
- Camellia, common. See *Camellia japonica*.
- netvein. See *C. reticulata*.
- Sasanqua. See *C. sasanqua*.
- Camellia* (hybrid), 243247.
- japonica*, 238499, 238500, 238724-238733, 238870, 241929-241934, 241977-241979, 243237.
- japonica* var. *macrocarpa*, 237855.
- reticulata*, 243238-243242, 243861, 243955, 244721.
- saluenensis*, 243862, 243956.
- sasanqua*, 236213-236221, 236419, 237854, 238734, 241935, 241936.
- sinensis*, 236246, 236247, 236356-236358.
- × *williamsii*, 243243-243246, 243322, 243323.
- Campsis radicans*, 240741.
- Canaigre. See *Rumex hymenosepalus*.
- Canarina campanulata*, 241852.
- Canarium indicum*, 241500, 242516.
- Canavalia obtusifolia*, 237856.
- Canthium attenuatum*, 236364.
- Cantua buxifolia*, 239475, 241083, 241353.
- Cape-honeysuckle. See *Tecomaria capensis*.
- Caper. See *Capparis spinosa*.
- Capillipedium parviflorum*, 239168, 239188, 239190, 239191, 239506, 239638, 240834.
- spicigerum*, 239161, 239189, 239501.
- Capparis cynophallophora*, 240435.
- spinosa*, 242157, 244028.
- Capsicum chinense*, 238046-238053, 238058.
- frutescens*, 236992, 237989, 238054-238057, 238059, 238060, 239703, 241640-241680, 242905, 243936, 244667-244670.
- microcarpum*, 238061.
- pendulum*, 238062, 238063.
- pubescens*, 241681-241686.
- stramonifolium*, 238909.
- sp., 241687.
- Carex aenea*, 236777.
- arcta*, 241049.
- atrosquama*, 236778.
- aurea*, 236779.
- capillaris*, 236780.
- disperma*, 236781.
- eurystachya*, 236782.
- flava*, 236783.
- hookeriana*, 236784.
- interior*, 236785.
- leptopoda*, 236786.
- limnophila*, 236787.
- media*, 236788.
- mertensii*, 236789.
- morrowii*, 241143, 241937.
- nigricans*, 236790.
- pachystachya*, 236791.
- petasata*, 236792, 236793.
- physocarpa*, 236794.
- praegracilis*, 236795.
- praticola*, 236796.
- raymondii*, 236797-236800.
- rossii*, 236801.
- scirpiformis*, 236802.
- stipata*, 236803.
- vaginata*, 236804.
- Carica papaya*, 237645, 239245, 241688.
- Carnation. See *Dianthus carophyllus*.
- Carpinus fargesiana*, 238014.
- Carriera calycina*, 242270.
- Carrot. See *Daucus carota*.
- Carthamus flavescens*, 243150.
- glaucus*, 243151.
- lanatus*, 244696.
- palaestinus*, 237346.
- tenuis*, 244354.
- tinctorius*, 237538-237552, 239041-239043, 239226, 239227, 239254, 239255, 239353, 240409, 242418, 242419, 243070.
- sp., 237343, 237344, 237345, 239706-239708.
- Caryopteris* × *clandonensis*, 242872, 242873.
- Cassia artemisioides*, 238252.
- viflora*, 240705.
- eremophila*, 240972.
- leptocarpa*, 240874.

- Cassia artemisioides*—Continued
oligophylla, 240123.
pleurocarpa, 238253.
sturtii, 238254.
 sp., 240995.
 Cassiabark-tree. See *Cinnamomum cassia*.
 Cassiaflower-tree. See *Cinnamomum lourierii*.
Cassine maurocenia, 241925.
papillosa, 239999.
Castanea sativa, 237920.
Castanopsis chrysophylla, 244348.
 Castorbean. See *Ricinus communis*.
Catapodium patens, 238255.
tenellum, 238256.
tuberculosum, 238257.
Catasetum scurra, 241032.
Catha edulis, 242793.
Cattleya maxima, 239120, 139121.
 Cauliflower. See *Brassica oleracea* var. *botrytis*.
Cavendishia acuminata, 239676.
 Cebadilla. See *Schoenocaulon officinale*.
 Cedar, atlas. See *C. atlantica*.
 Cyprian. See *C. brevifolia*.
 deodar. See *C. deodora*.
 Turkish. See *C. libani* f. *stenocoma*.
 Cedar of Lebanon. See *C. libani*.
Cedrus atlantica, 237311, 237312, 238581.
brevifolia, 237313.
deodora, 237314, 238015, 238582.
libani, 237227, 237315, 237316.
libani f. *stenocoma*, 237228.
Ceiba pentandra, 239635.
Celastrus diversifolius, 240031.
pyracantha, 240679.
Cenchrus myosuroides, 240706.
setigerus, 241425, 241426.
Centaurea verbascifolia, 240073, 240110.
Centradenia grandifolia, 241222.
Centrosema pubescens, 241427.
Ceratostylis platychila, 242714.
Ceratotheca sesamoides, 238940, 240857–240862.
Cercis siliquastrum, 238016.
Ceropegia ballyana, 241419.
 serpentina, 240010.
Cestrum elegans, 239476.
 fasciculatum, 241915.
 purpureum, 238766.
 sp., 243889.
Chaenorrhinum crassifolium var. *glareosum*, 242032.
Chamaecyparis lawsoniana, 242090, 242091, 244643, 244644.
 obtusata, 244645, 244646.
 pisifera, 236222, 244647–244650.
Chamaeranthemum beyrichii, 240538.
Chamaesyce humifusa, 242641.
Chasmanthe aethiopica, 241026, 241483.
Cheiranthodendron pentadactylon, 239995.
 Cherry, Higan. See *Prunus subhirtella*.
 Mahaleb. See *P. mahaleb*.
 oriental flowering. See *P. serrulata*.
 Sikkim. See *P. cerasoides*.
 sweet. See *P. avium*.
 Chestnut, European. See *Castanea sativa*.
 Chickpea. See *Cicer arietinum*.
 Chile-bells, red. See *Lapageria rosea*.
Chilianthus arboreus, 240379.
Chiliotrichium rosmarinifolium, 242271.
Chimonanthus praecox, 241484.
Chimonobambusa quadrangularis, 242796.
Chirita sinensis, 242664.
 sp., 237443.
 Chives. See *Allium schoenoprasum*.
Chloranthus japonicus, 239601.
 sp., 242323.
Chloris acicularis, 238258.
 gayana, 239225, 241270, 243902–243905.
 myriostachya, 238259.
 pectinata, 238260.
 pilosa, 238261.
 scariosa, 238262.
Chlorophytum bichetii, 242608.
 bowkeri, 243807.
 comosum, 238501.
 Chokecherry, black. See *Prunus virginiana* var. *melanocarpa*.
 Chorogi. See *Stachys sieboldii*.
Chrysanthemum (hybrids), 236156, 236158–236207, 238678, 240383–240395, 244618–244622.
 cinerariaefolium, 241342, 243110.
 pulverulentum, 241838.
 sp., 240819, 241841, 241842, 243563, 243564.
Chrysopogon aciculatus, 239169, 239639.
 sp., 238213.
Chrysosplenium sphaerospermum, 239586.
Chusquea culeou, 242395.
Cicer arietinum, 237558, 239859, 239860, 244332, 244333.
Cineraria saxifraga, 241092.
Cinnamomum brevifolium, 237857.
 cassia, 239031.
 daphnoides, 237858.
 lourierii, 236208.
 pedunculatum, 237859.
 sp., 237444.
 Cinquefoil. See *Potentilla fruticosa* var. *vilmoriniana*.
 shrubby. See *P. fruticosa*.
 Veitch. See *P. fruticosa* var. *veitchii*.
Cirrhopetalum umbellatum, 242692, 242713.
 sp., 242781, 242782.
Cissus cirrhosa, 241144.
 striata, 240820.

- Cistus albidus*, 241853.
monspeliensis, 242634.
villosus, 241320.
 sp., 241380.
- Citharexylum peoppigii*, 240757.
- Citrullus vulgaris*, 240532, 240533,
 241689, 242906, 244017-244019.
- Citrus* (hybrid), 240428, 241601.
aurantifolia, 239664, 249665.
aurantium, 240004, 240418, 240539.
grandis, 242490.
limon, 239634, 240419, 240420.
macroptera, 239985.
nobilis, 240421, 240422.
paradisii, 239621, 240423, 240424.
reticulata, 244574.
sinensis, 238669, 238794-238798.
 sp., 238537, 239622, 240425-
 240427, 241118, 241840.
- Clary, common. See *Salvia sclarea*.
- Clematis crassifolia*, 239488, 240738.
- Clerodendrum glabrum*, 242257.
tomentosum, 239996.
 sp., 242107.
- Clethra delavayi*, 242272.
- Cleyera japonica*, 237916.
- Clianthus formosus*, 238263.
speciosus, 240973.
- Clinogyne grandis*, 242324.
- Clockvine. See *Thunbergia* spp.*
- Clove. See *Eugenia caryophyllata*.
- Clover. See *Trifolium* spp.*
 alsike. See *T. hybridum*.
 berseem. See *T. alexandrinum*.
 crimson. See *T. incarnatum*.
 Kura. See *T. ambiguum*.
 Lappa. See *T. lappaceum*.
 mammoth. See *T. medium*.
 Persian. See *T. resupinatum*.
 red. See *T. pratense*.
 rose. See *T. hirtum*.
 strawberry. See *T. fragiferum*.
 striate. See *T. striatum*.
 subterranean. See *T.*
subterraneum.
 white. See *T. repens*.
- Clusia flava*, 239997.
grandiflora, 244011.
- Clymenia polyandra*, 238220.
- Clytostoma binatum*, 242325.
- Cneorum tricocon*, 239066, 241467.
- Cocaine—plant. See *Erythroxylon*
coca.
- Coccoloba excoriata*, 240594.
fagifolia, 240501.
- Cochlioda rosea*, 239122.
- Cochliostema jacobianum*, 242326.
- Cochlospermum tinctorium*, 239549.
- Cocona. See *Solanum hyporhodium*.
- Coelia macrastachya*, 240490.
- Coelogyne cristata*, 240489.
fragrans, 242715.
 sp., 242777, 242780.
- Coffea* (hybrids), 242055-242059.
abeokutae, 237340.
arabica, 236266-236273,
 237148-237153, 237423,
 237522-237525, 237566,
 240360-240362, 240932-
 240936, 242794, 242795,
 244012, 244660, 244661.
arabica var. *columnaris*, 236274,
 236275.
bengalensis, 237567.
canephora, 236471, 236473,
 237341, 237820, 242045-
 242054, 244016.
canephora var. *ugandae*, 236474.
congensis, 240359, 244013.
eugenioides, 237526.
excelsa, 236469, 236470, 244014.
liverica, 237342.
quillou, 244015.
rupestris, 241847.
stenophylla, 236276.
 sp., 236418, 236472, 241624.
- Coffee. See *Coffea* spp.*
 Arabian. See *C. arabica*.
 Congo. See *C. excelsa*.
 Liberian. See *C. liverica*.
 Robusta. See *C. canephora*.
 Uganda. See *C. canephora*
 var. *ugandae*.
- Coix lacryma-jobi*, 239172, 239640-
 239642, 241501-241503, 241505.
lacryma-jobi var. *ma-yuen*, 241504.
- Colchicum cilicicum*, 243808.
speciosum, 243809.
- Coleus penzigi*, 240758.
- Colletia infausta*, 242227.
- Colocasia esculenta*, 236397-236408.
- Colquhounia* sp., 237445.
- Combretum coccineum*, 242327.
- Conandron ramondoides*, 239587.
- Coniogramme japonica*, 241203.
- Convolvulus mauritanicus*, 240821,
 241854, 241855.
- Convolvulus*, Morocco. See *Convol-*
vulus mauritanicus.
- Conzattia sericea*, 240707.
- Coraltree. See *Erythrina coralloden-*
dum.
- Corchorus capsularis*, 240643, 240644,
 240997-241000, 241591, 241875,
 244728-244730.
- Cordia alliodora*, 237347.
angiocarpa, 236365.
francisci, 240032, 240305.
myxa, 240686.
- Cordylina stricta*, 241225.
terminalis, 241020.
 sp., 241224.
- Coreopsis douglasii*, 242158.
- Coriaria, myrtle. See *Coriaria myrti-*
folia.
- Coriaria myrtifolia*, 241321.
- Corktree. See *Phellodendron japonicum*.
- Corn. See *Zea mays*.

- Cornus alternifolia*, 242526.
capitata, 243863.
disciflora, 240708.
hessei, 242429.
Coronilla scorpioides, 244311.
varia, 238142.
Corydalis sp., 237446.
Corylus avellana, 239929.
 sp., 236507-236524.
Costus malortieanus, 242585.
mosiacus, 242586.
stenophyllus, 236366.
tappenbeckianus, 242328.
Cotoneaster salicifolia, 240529.
 X *watereri*, 243957-243959.
 sp., 237447.
 Cotton. See *Gossypium* spp.*
 Hawaiian. See *G. tomentosum*.
 sea island. See *G. barbadense*.
 Cowpea. See *Vigna* spp.*
 catjang. See *V. cylindrica*.
 Cranberrybush, European. See *Viburnum opulus*.
 Sargent. See *V. sargentii*.
Crataegus oxyacantha, 238017.
Crawfordia trinervis, 237860.
 sp., 237448.
Crocus carpetanus, 238683.
clusii, 238502, 238511.
Crossandra nilotica, 240811, 241381, 241382.
Crotalaria anthyllopsis, 244579.
brownei, 238264, 240411, 244580.
gazensis, 244581.
grahamiana, 238265, 240412, 244582.
incana, 244278, 244583, 244600.
intermedia, 238266, 239485, 244584-244587.
juncea, 236437.
lachnocarpa, 244588.
lanceolata, 244589.
mucronata, 244590, 244591.
mysorensis, 244592.
paulina, 244593.
recta, 244594.
retusa, 238267.
rhodesiae, 244595.
sericea, 238268, 240413.
speciosa, 244596.
spectabilis, 244597.
trifoliatum, 238269, 239337.
usaramoensis, 244598.
verrucosa, 244599.
 sp., 238270.
Crotalaria, lance. See *Crotalaria lanceolata*.
 slenderleaf. See *C. intermedia*.
 striped. See *C. mucronata*.
 sunn. See *C. juncea*.
 Crownvetch. See *Coronilla varia*.
 Cryptomeria, common. See *Cryptomeria japonica*.
Cryptomeria japonica, 236223-236232, 236420, 238018, 239487, 242092, 242093, 242377-242382, 242396, 244641, 244642.
japonica var. *sinensis*, 242869.
Cryptotaenia japonica, 242624.
Cucumis melo, 236355, 237109, 237257, 237258, 241690, 241691, 242907, 244713.
melo var. *inodorus*, 244714.
 sp., 236468.
Cucurbita digitata, 240879.
maxima, 244702-244704.
moschata, 241692, 244705-244707.
Culcasia scandens, 241226.
 Cumin, black. See *Nigella sativa*.
Cunonia capensis, 240436.
Cuphea lanceolata, 242897.
 Currant, winter. See *Ribes sanguineum*.
Curtisia faginea, 240759.
 Cushaw. See *Cucurbita moschata*.
Cussonia spicata, 240306.
thyrsiflora, 240760.
Cutandia maritima, 238271.
Cyamopsis tetragonoloba, 236478, 236479.
Cyanastrum cordifolium, 242665.
Cyanotis barbata, 243890.
cristata, 238684.
kewensis, 240536.
Cyclamen graecum, 243810.
repandum, 240033.
rohlfsianum, 243811.
Cyclanthera pedata, 241693, 241694.
Cydonia oblonga, 241963, 241964.
Cymbopogon exaltatus, 238272.
flexuosus, 241506, 241507.
procerus, 239157.
schoenanthum, 240155.
Cynanchum perrieri, 240011.
Cynodon dactylon, 238975-238979.
Cynorchis uncinata, 242527.
Cynosurus elegans, 238274.
Cypella sp., 241695, 241696.
Cyperus alternifolius, 240530, 241294.
Cypholepis yemenica, 238275.
Cyphomandra betacea, 241697, 241698.
 Cypress-pine. See *Callitris roei*.
Cypripedium (caudatum), 241033.
Cytosperma johnstonii, 242015.
Cytisus albidus, 238093.
arboreus, 238095.
arboreus ssp. *baeticus*, 238094.
ardoinii, 239366, 244651.
battandieri, 242628.
beanii, 238165.
 X *dallimorei*, 238104.
ingrami, 242304.
linifolius, 241468.
linifolius var. *angustifolius*, 238096.
lusitanicus, 238685.
monspessulanus var. *umbellulatus*, 238097.
multiflorus, 238503.
nigricans, 238105, 239989, 239990.

- Cytisus albidus*—Continued
pendulinus, 238767.
purpureus, 242666.
scoparius, 239078.
 sp., 238520, 238686, 238718.
- Dactylis glomerata*, 237174–237177,
 237262–237270, 237583–237600,
 237608, 237718, 237974–237979,
 242799, 242800, 243570, 244353.
glomerata ssp. *ibizensis*, 237609.
glomerata ssp. *juncinella*, 237601.
glomerata ssp. *lusitanica*, 237602,
 237603.
glomerata ssp. *santai*, 237605,
 237606.
glomerata ssp. *smithii*, 237607
glomerata ssp. *woronowii*, 237610.
maritima, 237604.
- Dactyloctenium radulans*, 238276.
- Daffodil, petticoat. See *Narcissus bulbocodium*.
- Dahoon. See *Ilex cassine*.
- Daisytree. See *Olearia pinifolia*.
- Dalea grayi*, 240709, 240880.
lagopus, 244279.
- Dalechampia spathulata*, 242329.
- Damnacanthus indicus*, 237861.
- Danthonia bipartita*, 238277.
caespitosa, 238278.
curva, 238279.
frigida, 238280.
racemosa, 237157.
raoulii var. *flavescens*, 237156.
semiannularis, 238282.
setacea, 138281.
stricta, 238283.
unarede, 237160.
 sp., 239173, 239174, 240346, 241050.
- Daphne arbuscula*, 244652.
gnidium, 242033.
laureola, 238521.
oleoides, 242034.
 sp., 237862.
- Daphne, olive. See *Daphne oleoides*.
- Daphniphyllum macropodum*, 237863,
 242643.
- Darnel. See *Lolium temulentum*.
- Dasheen. See *Colocasia esculenta*.
- Dateplum. See *Diospyros lotus*.
- Datura stramonium*, 237672, 238115.
- Daucus carota*, 242384, 242385.
- Debregeasia hypoleuca*, 240761.
- Decumaria sinensis*, 239246, 241311.
- Deinanthé bifida*, 239588.
- Delphinium* sp., 237449.
- Dendrobium chrysotropis*, 242718,
 242719, 242730.
cyanacentrum, 242720–242723.
dichroma, 242724.
flammula, 242726.
leucorhodium, 242727, 242728.
 sp., 242725, 242729, 242731, 242732,
 242762.
- Dendrocalamus strictus*, 240894.
- Dendrochilum bartonii*, 242716, 242717,
 242733.
- Dendropanax trifidus*, 237864.
- Derris dalbergioides*, 244029.
- Deschampsia caespitosa*, 241051.
elongata, 241052.
 sp., 243219.
- Desfontainea* sp., 241019.
- Desmodium canum*, 237145.
cinerascens, 238891.
distortum, 238890.
gyroides, 237954.
intortum, 241428, 241429, 244280.
ovalifolium, 237955.
uncinatum, 241430, 241431.
 sp., 237450, 237865, 237866, 238892.
- Devilpepper. See *Rauvolfia vomitoria*.
- Dialium guineense*, 236367.
- Diandrolyra bicolor*, 242587.
- Dianthus* (hybrid), 238064–238073.
armeria, 239445.
barbatus, 239446.
brachyanthus, 242035.
broteri, 241938.
caesius, 239447.
carthusianorum, 239448.
caryophyllus, 239449.
chinensis, 239450.
deltoides, 239451.
giganteus, 239452.
lusitanus, 239453.
monspessulanus, 239454.
plumarius, 239455.
- Dichanthium annulatum*, 240149.
aristatum, 240609.
sericeum, 238284, 239154, 239159,
 239182, 239637, 240835–240837,
 241508.
superciliatum, 238285.
- Dichelachne sciurea*, 237159.
- Dichotomanthes tristaniaecarpa*, 242874.
- Dieffenbachia* × *memoria-corsii*, 241228.
picta var. *baraquiniana*, 240537.
- Dierama pulcherrimum*, 239677.
- Digitalis lanata*, 241343.
lutea, 239367, 239368.
obscura, 242036.
purpurea, 241344–241346.
thapsi, 242630.
- Digitalia brownei*, 238286.
coenicola, 238287.
iburua, 238288.
pentzii, 238289.
smutsii, 236617, 236618.
swazilandensis, 238290.
- Dimeria ciliata*, 239643.
- Dioon* sp., 240495.
- Dioscorea balcanica*, 238560.
caucasica, 238561.
composita, 238601–238617, 238793,
 240795.
convolvulacea, 237938, 237956.
 ssp. *esurientium*, 237982.
esculenta, 237957.

Dioscorea balcanica—Continued

- floribunda*, 237930-237937, 237-941, 237947-237952, 237958, 237992-237999, 238001-238005
 238618, 240107, 243320.
macrostachya, 243920.
nipponica, 238562.
quaternata, 237303, 244385-244-388.
spiculiflora, 238619-238636, 238-893-238903.
sp., 237123-237127, 237514, 237-515, 237928, 237929, 237939, 237942, 237946, 237959-237965, 237971, 237980, 237981, 237984, 238637, 238904-238907, 239213-239222, 239687, 239986, 240049-240055, 240611, 242141-242151, 243900.
Diospyros kaki, 236143.
lotus, 236261.
Diplanthera tetraphylla, 237296.
Diplocaulobium fariniferum, 242734.
mischobulbum, 242735.
Diplotaxis erucoïdes, 239855.
Dipterocarpus alatus, 240687.
sp., 240691.
Dischidia albida, 242330.
bengalensis, 240822, 241230, 242736.
sagittata, 241231, 241232.
Disporum smilacinum, 239589.
Distichlis stricta, 241053.
Distylium racemosum, 236260, 243812.
Dodonaea viscosa, 240610.
Dogtooth violet. See *Erythronium japonicum*.
Dogwood. See *Cornus disciflora*.
evergreen. See *C. capitata*.
Dolichos biflorus, 237112, 237113, 237667.
lablab, 241432-241435, 241699.
Dolichos, twinflower. See *Dolichos biflorus*.
Dombeya burgessiae, 238948.
× careuxii, 243891.
wallichii, 240499.
Doritis pulcherrima, 242737.
Dorycnium rectum, 238291.
sp., 238143.
Douglas-fir. See *Pseudotsuga menziesii*.
Dracaena goldiæna, 241939.
reflexa, 239998.
thaliodes, 241856.
sp., 244307.
Dracena, common. See *Cordylina terminalis*.
Drimopsis kirkii, 242588.
Drimys lanceolata, 242331, 243249.
Drosophyllum lusitanicum, 241897.
Dryandra sp., 238871.
Dudleya sp., 241278.
Ebenus cretica, 241879.
Echinochloa crus-pavonis, 237129.
polystachya, 238292.
Echinopanax horridum, 241054.
Eggplant. See *Solanum melongena*.
Ehretia acuminata, 240692.
anacua, 242105.
tinifolia, 240034.
Elaeagnus pungens, 241389.
× reflexa, 239477.
umbellata, 237867.
Elaeagnus, thorny. See *Elaeagnus pungens*.
Elaeocarpus japonicus, 237868.
Elaeodendron australe, 240646.
glaucum, 240503.
ilicifolia, 240645.
Elder. See *Sambucus* spp.*
European. See *S. nigra*.
red. See *S. racemosa*.
scarlet. See *S. pubens*.
Eleocharis dulcis, 244292.
Eleusine coracana, 243907.
Elm. See *Ulmus wallichiana*.
Dutch. See *U. hollandica*.
Elymus canadensis, 236805-236808.
cinereus, 236809.
glaucus, 236810-236817.
innovatus, 236818-236820.
sp., 243220.
Emmenopterys henryi, 239678.
sp., 243250.
Emmer. See *Triticum dicoccum*.
Enk, white. See *Enkianthus perulatus*.
Enkianthus perulatus, 238594.
Enneapogon avenaceus, 238293.
desvauxii, 241055.
flavescens, 238294.
lindleyanus, 238295.
oblongus, 238297.
pallidus, 238296.
polyphyllus, 238298.
Ensete edule, 237923.
Entandrophragma delavayi, 237297.
Enteropogon macrostachys, 238299.
Epacris longiflora, 243960.
pulchella, 243961.
Ephedra altissima, 239478, 241485.
americana var. *andina*, 243292.
distachya, 243296.
fragilis, 240404.
gerardiana, 243294.
major, 243295.
monostachya, 243293.
Epiblastus auriculatus, 242738, 242739.
ornithidioides, 242740.
Epidendrum atropurpureum, 238000, 238006.
brachyphyllum, 239123.
prismatocarpum, 240491.
raniferum, 238638.
serpens, 239128.
sp., 237991, 239124-239127.
Epilobium sp., 237451.
Epimedium macranthum var. *violaceum*, 239590.
Epiphyllum sp., 242589.
Episcia lilicina, 242590.
punctata, 242591.

- Eragrostis curvula*, 236619-236623, 243005.
dielsii, 238301.
expansa, 238300.
laniflora, 238302.
leptocarpa, 238303.
setifolia, 238304.
tef, 243908-243912.
tremula, 238305.
- Eranthemum cinnabarinum*, 242592.
wattii, 242593, 242667.
- Ercilla volubilis*, 242273.
- Eremochloa ciliaris* var. *elata*, 240347.
- Eremophila longifolia*, 240974.
- Eria* sp., 242741.
- Eriachne aristidea*, 238306.
ciliata, 238307.
helmsii, 238308.
mucronata, 238309.
pallens, 241509.
pulchella, 238310.
trisetia, 241530.
- Erianthus ravennae*, 237795.
 sp., 238214, 238215.
- Erica australis*, 238687-238789, 241898.
lusitanica, 238690.
umbellata, 241899.
- Erinacea pungens*, 242037.
- Eriochloa nubica*, 238311.
pseudoacrotricha, 238312.
- Erigeron* (hybrid), 243962-243966.
- Erucastrium abyssinicum*, 243913.
- Eryngium pandanifolium*, 240617.
- Erythrina corallodendrum*, 238949.
lysistemon, 242159.
 sp., 237966, 239541, 241322, 244334.
- Erythronium japonicum*, 239591.
- Erythrophloeum africanum*, 237298.
- Erythroxylon coca*, 242333.
- Escallonia* (hybrids), 237304-237306.
macrantha, 242094, 242095.
 sp., 242096, 242097.
- Eucalyptus astringens*, 240336.
calcicultrix, 236448.
calophylla, 239324.
calycogona, 239491.
eremophila, 239492.
erythronema, 239325, 239493, 242160.
forrestiana, 239326, 239494.
grossa, 239495.
kessellii, 239496.
niphophila, 240587.
oldfieldii, 239327.
platycorys, 239497.
pyriformis, 239498.
sepulcralis, 242161.
stoatei, 239328.
tetragona, 239329.
tetraptera, 239330.
torquata, 239331.
- Eucommia ulmoides*, 240797.
- Eucryphia* × *nymanensis*, 242923.
- Eugenia caryophyllata*, 241308.
guabiju, 241295.
magnifica, 240437.
myriophylla, 242334.
 sp., 237869, 237870.
- Eulalia fulva*, 240838.
irritans, 240348, 241511.
leptostachys, 239507-239510, 239644, 241512, 241513.
trispicata, 239175, 239857, 241510, 241514.
 sp., 241515.
- Eulaliopsis binata*, 244665, 244666.
- Eulophia ramosa*, 242742.
 sp., 244335.
- Euonymus pendulus*, 240341, 240618, 243251.
wilsonii, 242274.
 sp., 243324.
- Eupatorium omphaliaefolium*, 241916.
sordidum, 242668.
 sp., 240710.
- Euphorbia beaumeriana*, 240012.
biglandulosa, 238691.
caerulescens, 240013.
characias, 238768.
delphinensis, 241420.
fruticosa, 240014.
gossypina, 240015.
intisy, 240017.
intisy var. *maintyi*, 240016.
lanceifolia, 242195.
laro, 240018.
leucocephala, 238576.
peptis, 244697.
phillipsiae, 240021.
platyphyllos, 244698.
pteroneura, 240022.
pulcherrima, 237967.
robbiae, 242875.
sikkimensis, 243967.
sipolisi, 240023.
splendens var. *bojeri*, 240019.
wulfenii, 243968, 243969.
 sp., 240020.
- Euphoria longana*, 241625.
- Eurya emarginata* var. *microphylla*, 240914.
japonica, 237871, 243287, 243333.
- Fagus orientalis*, 237692.
sylvatica, 238019.
- False-arborvitae. See *Thujaopsis dolabrata*.
- Falsebrome. See *Brachypodium* spp.*
 Japanese. See *B. pinnatum*.
 purple. See *B. distachyon*.
- Falsecypress, Hinoki. See *Chamaecyparis obtusa*.
 Lawson. See *C. lawsoniana*.
- False-olive. See *Elaeodendron australe*.
- Fenugreek. See *Trigonella foenum-graecum*.
- Feronia limonia*, 236991.

Fescue. See *Festuca* spp.*

Chewing's. See *F. rubra* var. *commutata*.

Idaho. See *F. idahoensis*.

meadow. See *F. elatior*.

red. See *F. rubra*.

rough. See *F. scabrella*.

sheep. See *F. ovina*.

tall. See *F. arundinacea*.

Festuca abyssinica, 238313.

alopecuroides, 238314.

ampla, 238315, 240156, 240157.

arundinacea, 237178, 237516,

237559, 237796-237801.

elatior, 237271-237276, 237707.

idahoensis, 236821-236825.

novae-zelandiae, 237161.

occidentalis, 236826-236829

ovina, 236830-236833, 236835-

236838, 237179, 237708.

rubra, 236602, 236834, 236839-

236846, 237158, 237180, 237181,

237277.

rubra var. *commutata*, 237182.

scabrella, 236847-236852.

sp., 237802, 237803.

Ficus altissima, 240074.

ampelos, 237168.

arbutifolia, 240762.

arisanensis, 236209.

auriculata, 240504.

bellengeri, 240126.

bibracteata, 240002.

cannonii, 242870.

capensis, 240111.

gigantea, 240000.

glabella, 238769, 241900.

hauili, 237169.

heterophylla, 240001.

magnifolia, 240405.

magnolioides, 238950, 240075.

mallatocarpa, 244611.

princeps, 240619.

pseudopalma, 243052.

pumila, 237415, 238770, 241233.

radulina, 240711.

retusa, 237416.

rubiginosa, 242016.

septica, 237417.

vogelii, 240505.

Fig. See *Ficus* spp.*

cape. See *F. capensis*.

climbing. See *F. pumila*.

lofty. See *F. altissima*.

rusty. See *F. rubiginosa*.

Filbert. See *Corylus avellana*.

Fir. See *Abies* spp.*

Algerian. See *A. numidica*.

balsam. See *A. balsamea*.

Hudson Bay. See *A. balsamea* var. *hudsonia*.

Nordmann. See *A. nordmanniana*.

Spanish. See *A. pinsapo*.

Flacourtia inermis, 236368.

Flax. See *Linum* spp.*

common. See *L. usitatissimum*.

perennial. See *L. perenne*.

Fokienia hodginsii, 243970, 243971.

Fortunearia sinensis, 239679.

Foxglove, common. See *Digitalis purpurea*.

straw. See *D. lutea*.

Foxtail. See *Alopecurus* spp.*

meadow. See *A. pratensis*.

shortawn. See *A. aequalis*.

Fragaria (hybrids), 237052, 237053, 242397.

chiloensis, 236550-236592, 236625-

236659, 236994, 237002-237051,

237096, 237619, 238120, 243291.

glauca, 236853.

vesca, 237097, 239019-239030,

244575-244577.

sp., 236854, 237348, 237633, 241700, 241701.

Fraxinus excelsior, 237229, 237678, 238166, 239079.

paxiana, 238106.

Freylinia cestroides, 238735.

Fuchsia integrifolia, 240506.

magellanica, 241702.

Fuchsia, Magellan. See *Fuchsia magellanica*.

Garcinia tinctoria, 242336.

Gardenia rothmannia, 239680.

Garlic. See *Allium sativum*.

Garnotia mezil, 241516.

Garrya fadyenii, 240342.

× *thuretii*, 241323, 242398.

Gaudinia fragilis, 238316.

Gaultheria forrestii, 243252, 243253.

Gaulthetia × *wisleyensis*, 243813.

Guar. See *Cyamopsis tetragonoloba*.

Gazania (hybrids), 241296, 241297,

242937, 242939-242946, 242948-

242964, 242969, 242992, 243297-

243304, 243305, 243306.

rigens, 242206.

× *splendens*, 241298, 241299

241390, 241405, 242204, 242938,

242947, 242965-242968, 242970-

242991, 242993.

sp., 242205, 242228.

Gelsemium sempervirens, 240737.

Genista aethnensis, 242631.

cinerea, 239057, 239077.

equisetiformis, 239071, 241950.

hystrix, 238692.

lusitanica, 238693, 242633.

pilosa, 242632.

tinctoria, 242098.

virgata, 242275, 242276.

Genistella tridentata, 238951.

Gentiana sp., 237452.

Geocaulon lividum, 236855.

Geranium. See *Pelargonium* spp.*

horseshoe. See *P. zonale*.

Geranium sp., 237453, 237454, 237455.

Gerbera anandria, 239595.

Germainia capitata, 241517.

Gesneria sp., 241703.
Gilibertia cuneata, 240035, 240112.
Ginkgo biloba, 237828, 242017, 242018.
Ginoria ginorioides, 236369.
Gladiolus illyricus, 239058.
Glaucium flavum, 241951, 242644.
Glaziovina bauhinoides, 242337.
Gleditsia triacanthos, 238020.
Gleichenia linearis, 243845.
Globularia wilkomii, 238528.
Glossorhyncha discharensis, 242743.
Glycine javanica, 241436.
 max., 238920-238925, 238926-238933, 239235-239237, 239484, 240079, 240661-240672, 240826, 241424, 243514-243551.
 tomentosa, 238108, 238109.
Gnetum gnemon, 240349.
Gnidia carinata, 238771.
 polystachya, 241901.
Goethea strictiflora, 241857.
Goldenchain. See *Laburnum anagyroides*.
Goodenia ovata, 242338.
Gordonia anomala, 237872.
Gossypium (hybrids), 236597-236599, 237212, 237217, 237825, 237826, 238111, 238670-238677, 238957-238969, 239002, 239003, 239941, 239942, 240401-240403, 240895-240897, 243082, 243083, 243565-243569, 244040.
 barbadense, 241704-241708.
 darwinii, 241709-241722.
 klotzschianum, 241723-241736.
 raimondii, 238160, 241727.
 somalense, 237425.
 sturtii, 237426-237428.
 thurberi, 240712, 240881.
 tomentosum, 236604.
 triphyllum, 237429, 237430.
 sp., 238971, 239645.
 Gourd, Calabash. See *Lagenaria leucantha*.
Gouania napalensis, 242339.
Grabowskia lindleyi, 240036.
Gramma. See *Bouteloua heterostega*.
Granadilla, purple. See *Passiflora edulis*.
 Grape. See *Vitis* spp.*
 European. See *V. vinifera*.
 Grapefruit. See *Citrus paradisi*.
 Grape-hyacinth, common. See *Muscari botryoides*.
 Grass, angleton. See *Dichanthium aristatum*.
 Bahia. See *Paspalum notatum*.
 bent. See *Agrostis* spp.*
 colonial. See *C. tenuis*.
 Bermuda. See *Cynodon dactylon*.
 black. See *Paspalum plicatulum*.
 bristle, plains. See *Setaria macrostachya*.
 buffel. See *Pennisetum ciliare*.

Grass—Continued

 canary. See *Phalaris* spp.*
 hood. See *P. paradoxa*.
 large. See *P. aquatica*.
 littleseed. See *P. minor*.
 Reed. See *P. arundinacea*.
 carpet. See *Axonopus ulei*.
 cogan. See *Imperata cylindrica*.
 crab. See *Digitaria* spp.*
 gama, Guatemala. See *Tripsacum lazum*.
 guinea. See *Panicum maximum*.
 hair, tufted. See *Deschampsia caespitosa*.
 Jaragua. See *Hyparrhenia rufa*.
 love. See *Eragrostis* spp.*
 weeping. See *E. curvula*.
 malabar. See *Cymbopogon flexuosus*.
 meadow, fowl. See *Poa palustris*.
 Mitchell. See *Astrelia pectinata*.
 natal. See *Tricholaena repens*.
 needle. See *Stipa* spp.*
 desert. See *S. speciosa*.
 Esparto. See *S. tenacissima*.
 green. See *S. viridula*.
 western. See *S. occidentalis*.
 oat. See *Danthonia* spp.*
 tall. See *Arrhenatherum elatius*.
 orchard. See *Dactylis glomerata*.
 palm. See *Setaria palmifolia*.
 quack. See *Agropyron repens*.
 Ravenna. See *Erianthus ravennae*.
 rescue. See *Bromus willdenowii*.
 Rhodes. See *Chloris gayana*.
 rice, Canada. See *Oryzopsis canadensis*.
 Indian. See *O. hymenoides*.
 roughleaf. See *O. asperifolia*.
 shorthorn. See *O. pungens*.
 rooi. See *Themeda triandra*.
 rye. See *Lomium* spp.*
 Italian. See *L. multiflorum*.
 perennial. See *L. perenne*.
 Wimmera. See *L. rigidum*.
 silver. See *Miscanthus floridulus*.
 smilo. See *Oryzopsis miliacea*.
 St. Augustine. See *Stenotaphrum secundatum*.
 sugar. See *Eulalia fulva*.
 tabucki. See *Sorghum verticilliflorum*.
 tussock. See *Poa flabellata*.
 velvet. See *Holcus lanatus*.
 wallaby. See *Danthonia semiannularis*.
 wheat. See *Agropyron* spp.*
 beardless. See *A. inerme*.
 bluebunch. See *A. spicatum*.
 drooping. See *A. semicostatum*.
 intermediate. See *A. intermedium*.
 slender. See *A. trachycaulum*.

- Grass—Continued
 wheat—continued
 tall. See *A. elongatum*.
 thickspike. See *A. dasystachyum*.
 western. See *A. smithii*.
 Greenbrier. See *Smilax china*.
Grevillea acanthifolia, 239479.
alpina, 239542.
asplenifolia, 239480, 241406.
rosmarinifolia, 241145, 242430.
Grewia occidentalis, 239373.
populifolia, 238872.
Greya sutherlandii, 241234.
 Groundsel. See *Senecio* spp.*
 Guamachil. See *Pithecellobium dulce*.
 Guar. See *Cyamopsis tetragonoloba*.
Guardiola sp., 240882.
 Guernsey-lily. See *Nerine sarniensis*.
Guizotia abyssinica, 243914, 244336.
 Gum. See *Eucalyptus* spp.*
 Port Gregory. See *E. calophylla*.
 Gunnera, Chilean. See *Gunnera chilensis*.
 great. See *G. manicata*.
Gunnera chilensis, 243814.
manicata, 243880.
Gussonia sp., 242744.
Habranthus robustus, 239004.
Hackelochloa granularis, 239511.
Haemanthus amarylloides, 243918.
 sp., 243919.
Haematoxylum brasiletto, 240713.
Hagenia abyssinica, 243915.
Hakea leucopetra, 240588.
multilineata, 239499.
Halenia sp., 237456.
Halleria lucida, 238873.
Hancornia speciosa, 236370.
Harpullia pendula, 240124.
Hartia sinensis, 243325, 244720.
 Hawthorn, English. See *Crataegus oxyacantha*.
Haynaldia hordeacea, 240158–240160.
villosa, 239724.
 Heath. See *Erica* spp.*
Hebanthe paniculata, 238874, 241902.
Hedera canariensis, 239930, 242876.
colchica, 242877–242878.
chrysocarpa, 239247, 241312.
helix, 239059, 242277, 242848, 244685.
rhombea, 242278.
Hedychium coronarium × *H. greenii*, 241146, 241237.
densiflorum, 41235.
greenii, 241147, 241236.
spicatum, 237458.
 sp., 237457.
Hedysarum boreale, 237638.
coronarium, 237560, 239943, 240659.
flexuosum, 239863, 240658.
pallidum, 239861, 239862, 239944.
spinosissimum, 239864.
 sp., 241056.
Heimia salicifolia, 240875.
Helianthemum umbellatum, 238719.
Helianthus annuus, 239426–239437, 240660, 243071–243080.
Helichrysum serotinum, 241238, 241940.
Helicia cochinchinensis, 237873.
Heliconia sp., 237968.
Hemerocallis thunbergii, 236263.
 sp., 236262.
Hepatica triloba, 238021.
Heptapleurum stellatum, 240307.
 sp., 239374, 239543, 241239.
Hermodactylus tuberosus, 238694.
Heterocentron elegans, 241262.
Heteromorpha arborescens, 240406.
Heteropogon contortus, 239184, 240839.
 sp., 239176.
Heteropteryx chrysophylla, 240076.
Hevea (hybrids), 243113–243123, 243125–243136.
brasiliensis, 237054–237077, 242061–242085, 243053–243057, 243124, 243137–243145.
 sp., 243111, 243112.
Hibbertia dentata, 242669.
Hibiscus acetosella, 242594.
hamabo, 242645.
liliflorus, 238773, 241903.
mutabilis, 244731.
rosa-sinensis, 238772, 241904, 241905.
sabdariffa, 240589, 241518.
syriacus, 241313, 241391, 242340.
 sp., 236501, 236503–236506, 244732.
 Hibiscus, Chinese. See *Hibiscus rosa-sinensis*.
Hintonia latifolia, 240714.
Hippobromus alatus, 240113, 241240.
Hippocratea obtusifolia, 242341.
Holarrhena antidysenterica, 236477.
Holboellia coriacea, 237829.
latifolia, 241354, 242879.
Holcus lanatus, 242849.
 Holly. See *Ilex* spp.*
 Chinese. See *I. cornuta*.
 coral. See *I. corallina*.
 English. See *I. aquifolium*.
 Japanese. See *I. crenata*.
 Honeylocust, common. See *Gleditsia triacanthos*.
 Honeysuckle. See *Lonicera* spp.*
 Hobbush, clammy. See *Dodonaea viscosa*.
 Hoptree. See *Ptelea trifoliata*.
Hordeum (hybrids), 237687, 237688, 243183–243189.
bulbosum, 237804–237806, 240161–240164, 243006.
distichon, 243180.
spontaneum, 243007.
vulgare, 243181, 243182.
 sp., 236382–236388, 237349, 237568–237582, 237988, 238387, 238666–238668, 241411, 242106, 242840, 243572–243629, 244041, 244337, 244671.

Hornbeam. See *Carpinus fargesiana*.
 Hornpoppy, yellow. See *Glaucium flavum*.
 Horsechestnut, common. See *Aesculus hippocastanum*.
Hovea longifolia, 238317.
Hoya affinis var. *solaniflora*, 242595.
 angustifolia, 241241, 241421, 242596.
 globulosa, 241242.
 imperialis, 242597, 242598.
 longifolia, 242600.
 obovata, 241243.
 ridleyi, 242599.
 Hyacinth-bean. See *Dolichos lablab*.
Hydrangea heteromalla, 240680, 242279, 242280.
Hylomecom japonica, 239592.
Hymenocallis amancaes, 239035.
Hyparrhenia clausenii, 238318.
 hirta, 237554, 238319, 240350.
 lintonii, 238320.
 rufa, 238321, 241378, 241848.
 ruprechtii, 238322.
 subplumosa, 238323.
Hypericum (hybrid), 243309.
 hircinum, 239239.
 hirsutum, 2392340.
 hookerianum, 239241.
 maculatum, 239242.
 patulum, 237459, 242281.
 perforatum, 238098, 239243.
 tetrapterum, 239244.
 sp., 237460.
Hypericum, Japanese. See *Hypericum patulum*.
Hypoestes sanguinolenta, 240798, 241204, 241383.
Idesia polycarpa, 237874.
Ilex × *altaclarensis*, 241324, 241325, 242111, 242116-242121, 242123, 242126, 242131, 242132, 242133, 242172, 242186, 242188, 242194, 242530, 242533, 242601, 242671, 242672, 242675, 242812, 242817, 242819, 242826, 242833, 242837, 242854, 242858-242860, 242865, 242866, 242900, 242902, 242903, 243000, 243310, 243815, 243825, 243829, 243833, 243834, 243844.
aquifolium, 238022, 242108-242110, 242112-242115, 242122, 242124, 242125, 242127-242130, 242134, 242138, 242171, 242173-242178, 242181-242185, 242187, 242189-242191, 242282, 242528, 242529, 242531, 242532, 242670, 242673, 242811, 242813-242816, 242818, 242820-242823, 242824, 842225, 242827-242832, 242850-242853, 242855-242857, 242861-242864, 242880, 242898, 242899, 242901, 242997, 243084-243091, 243816-243824, 244686, 244687.
 × *beanii*, 242180, 242834.
 cassine, 243102.

Ilex—Continued
 chinensis, 243196.
 ciliospinosa, 242135, 242881, 243826.
 corallina, 242283, 243092, 243254, 243326.
 cornuta, 243311.
 crenata, 236234, 242179, 242998.
 var. *mulchagara*, 237878.
 var. *nummularia*, 236233, 242099, 242431, 243827, 244653.
 diphyrena, 242835, 242924, 243093, 243255-243259, 243313, 243864.
 fargesii, 242999, 243094, 243095, 243972.
 ficoidea, 243101, 243260, 243261.
 fragilis, 243096.
 franchetiana, 242136, 242137, 242192, 242193, 243266, 243312, 243327, 243973-243975.
 georgei, 243104, 243265, 243314.
 hanceana, 237875.
 hookeri, 243097.
 insignis, 243098, 243099, 243267, 243865, 244718.
 integra, 237876, 242674, 242926, 243828.
 intricata, 243100.
 liukiuensis, 237877, 237880.
 pedunculosa, 242925, 243262, 243263.
 var. *continentalis*, 242927.
 perado, 241917, 241918.
 pernyi, 242139, 243830-243832.
 var. *veitchii*, 242140.
 platyphylla, 242836, 243328.
 purpurea, 242882, 243001, 243835.
 rotunda, 237879.
 rubra, 240715.
 serrata var. *sieboldii*, 238595.
 sikkimensis, 243264, 243268, 244717.
 yunnanensis, 243103.
 sp., 241728, 242838, 242839, 243836.
Illicium religiosum, 237881.
Impatiens hawkeri, 243976.
 repens, 241244, 242602.
 sp., 242342.
Imperata cylindrica, 239177, 240351.
 exaltata, 237671, 239178-239181, 239512, 239513, 239646, 239647.
 Indigo. See *Indigofera* spp.*
 creeping. See *I. endecaphylla*.
 hairy. See *I. hirsuta*.
 Himalayan. See *I. glandulosa*.
Indigofera australis. 238324.
 cryptantha, 238325.
 endecaphylla, 237140, 237146, 238112, 238326, 241437-241441.
 glandulosa, 238327.
 hirsuta, 238328.
 retroflexa, 238329.
 schimperii, 238331.
 subulata, 238330.
 suffruticosa, 240716.
 sp., 239514, 239935, 241116, 244042.
Iochroma coccineae, 241906.
 warscewiczii, 238774, 241907.

- Iodina rhombifolia*, 241148, 241205.
Impomoea arborescens, 240883, 240884.
batatas, 237635, 239689-239692, 242104.
carnea, 237301.
crassicaulis, 241729.
digitata, 237092.
gracilis, 237093.
 × *hardingii*, 240763, 241206.
horsfalliae, 242343.
megapotamica, 241730.
polyanthes, 241731.
pulchella, 237094.
purpurea, 237214.
rubro-caerulea, 237302.
triloba, 238116.
sp., 236475, 240496, 240612, 241732-241747.
Iris (hybrid), 242676.
alata, 238695, 238952.
biflora, 238953.
ensata, 237462.
japonica, 239593.
sisyrinchium, 238954, 239060.
sp., 237461, 237463.
Iris, fringed. See *Iris japonica*.
 Moraea. See *I. sisyrinchium*.
 Russian. See *I. ensata*.
 scorpion. See *I. alata*.
Ischaemum aristatum, 236409, 239515, 239648, 239650, 241519, 241520.
digitatum, 239183, 239516, 239517, 239649, 239651, 239652, 240353, 241521, 241522.
sp., 240352, 241523-241526.
Iseilema membranaceum, 240840.
Isopyrum dicarpon, 239594.
 Ivy. See *Hedera canariensis*.
 Caucasian. See *H. chrysocarpa*.
 Colchis. See *H. colchica*.
 English. See *H. helix*.
Jaborosa integrifolia, 240438, 242677.
Jacobinia suberecta, 241096, 241355, 241384.
Jacquemontia *sp.*, 241748.
Jacquinia pungens, 240885.
sp., 238908.
 Jasmine. See *Jasminum* *spp.**
Jasminum capense, 240037.
odoratissimum, 238775, 241908.
polyanthum, 239375, 239481, 241245.
wallichianum, 242284.
Jatropha curcas, 244043.
sp., 244044.
 Jobs-tears. See *Coix lacryma-jobi*.
 Jointfir. See *Ephedra fragilis*.
 climbing. See *E. altissima*.
 Judas-tree. See *Cercis siliquastrum*.
Juglans regia, 237420-237422.
sp., 244085.
Jumellea bathiei, 242745.
gracilipes, 242746, 242747.
 Juniper, Chinese. See *Juniperus chinensis*.
 common. See *J. communis*.
 creeping. See *J. horizontalis*.
 Juniper—Continued
 East African. See *J. procera*.
 prickly. See *J. oxycedrus*.
 sargent. See *J. sargentii*.
 Savin. See *J. sabina*.
 shore. See *J. conferta*.
Juniperus chinensis, 236235, 236236.
communis, 238696.
conferta, 237882.
horizontalis, 236856, 238680.
oxycedrus, 238697, 239080.
procera, 241376.
sabina, 239081.
sargentii, 238679.
thurifera, 238522, 238592.
Jussiaea *sp.*, 239653.
 Jute. See *Corchorus capsularis*.
Kadsura japonica, 237883.
 Kadsura, scarlet. See *Kadsura japonica*.
 Kaimi-clover. See *Desmodium canum*.
Kalanchoe longifolia, 241089.
manginii, 240024, 241090.
marnierana, 240025.
pumila, 240026.
sp., 238504, 241326.
 Kale. See *Brassica oleracea* *var. viridis*.
 Kanari. See *Canarium indicum*.
 Kapok. See *Ceiba pentandra*.
 Kat. See *Catha edulis*.
Kefersteinia tolimensis, 239129, 242534.
Kiggelaria africana, 240114.
Kniphofia *sp.*, 239681.
 Knotweed. See *Polygonum paleaceum*.
Koeleria phleoides, 239725.
Koeleria amabilis, 238875.
lindeniana, 242604.
 Kohlrahi. See *Brassica oleracea* *var. gongylodes*.
Kopsia fruticosa, 241223, 242344.
Kunzea pomifera, 237294.
 Kurrajong, black. See *Brachychiton populneus*.
Laburnum alpinum, 237230.
anagyroides, 238167, 238168.
 Laburnum, Scotch. See *Laburnum alpinum*.
Lachnophyllis floribunda, 241579.
Lactuca bourgaei, 237917.
canadensis *var. longifolia*, 237354.
denticulata, 236394.
livida, 237355.
muralis, 237356.
serriola, 237357.
squarrosa, 236395, 236396.
Lafoensia vandelliana, 240688.
Lagenaria leucantha, 241749.
Lagerstroemia fauriei, 237884.
Lallemantia *sp.*, 243221.
Lapageria rosea, 241750.
Lapiedra martinezii, 241603.
 Larch. See *Larix* *spp.**
 Dunkeld. See *L. × eurolepis*.
 European. See *L. decidua*.
 Japanese. See *L. leptolepis*.
Lardizabala biternata, 241407.

- Larix decidua*, 237317, 238547.
 × *eurolepis*, 238974.
gmelinii var. *japonica*, 237318.
griffithiana, 237319.
leptolepis, 237231.
Lastochloa echinata, 238332.
hispida, 238333.
Lathyrus cicera, 237639.
clymenum, 242792.
kilimandsharicus, 238384.
latifolius, 236481.
montanus, 236476.
ochroleucus, 236857, 236858.
sativus, 239865–239867.
 sp., 237561, 241960.
 Laurel, cherry. See *Prunus laurocerasus*.
 Grecian. See *Laurus nobilis*.
 spurge. See *Daphne laureola*.
Laurelia nova-zealandiae, 243105.
sempervirens, 243315.
Lauris nobilis, 242928.
Laurustinus. See *Viburnum tinus*.
Lavandula spica, 242994, 242995.
 sp., 243977, 243978.
 Lavender. See *Lavandula spica*.
 Leadtree. See *Leucaena leucocephala*.
Lecanorchis japonica, 237885.
Lecythis pisonis, 236371.
Leea amabilis, 242605.
 Leek. See *Allium porrum*.
 lily. See *A. moly*.
Leersia sp., 239856.
 Lemon. See *Citrus limon*.
Lens culinaris, 238758, 244045, 244046.
 Lentil. See *Lens culinaris*.
Leonotis dysophylla, 241858.
Leptarrhena pyrolifolia, 236859.
Leptocodon gracilis, 237464.
Leptospermum sp., 241246.
 Lettuce. See *Lactuca* spp.*
Leucadendron argenteum, 241580.
Leucaena lanceolata, 240700.
leucocephala, 237147, 241167.
Leucojum autumnale, 238505, 242229, 243002.
vernum var. *carpaticum*, 242230.
Leycesteria crocothyrsos, 242345.
Licuala amplifrons, 236372.
Ligusticum sp., 241961.
Ligustrum amurense, 239931.
confusum, 242929, 243979.
delavayanum, 239932.
sempervirens, 239547, 241304, 243273.
Lilium pomponium, 240924.
 Lily. See *Lilium pomponium*.
 Lime. See *Citrus aurantifolia*.
Limoniastrum monopetalum, 241086, 241919.
 Linden. See *Tilia miqueliana*.
 silver. See *T. tomentosa*.
Lindera communis, 243269.
Linum alpinum, 240337.
austriacum, 244373.
perenne, 240338.
usitatissimum, 238196, 238197, 239044–239055, 240339, 242196–242203.
Liparis confusa, 242748.
 sp., 242749.
Liquidambar orientalis, 238023.
Lilchi chinensis, 244693, 244694.
Lithocarpus densiflorus, 244349.
densiflorus var. *montana*, 244350.
edulis, 237886.
Lithospermum diffusum, 238024.
fruticosum, 241327, 241357.
Lobelia (hybrids), 244024, 244025.
cardinalis, 244023.
erinus, 242678.
fulgens, 242432.
 Lobelia, Mexican. See *Lobelia fulgens*.
 Locust. See *Robinia* × *holdtii*.
 Logwood. See *Haematoxylum brasiletto*.
Lolium multiflorum, 238885, 238886, 238937, 238939, 239486, 239804, 239805, 240632, 240698, 240731, 240732, 240977, 241586, 241912, 241913.
perenne, 237183–237187, 238938, 240978–240980, 241608.
persicum, 239726–239729.
remotum, 240981.
rigidum, 239730–239798, 240982.
strictum, 240984.
temulentum, 239799, 329800, 240983.
temulentum var. *muticum*, 239801–239803.
Lomatium lucidum, 241277.
simplex var. *leptophyllum*, 236860.
 sp., 236861.
Lonicera affinis, 237887.
etrusca, 238698.
 sp., 242285.
Lopezia miniata, 240799, 241859.
Lophanthera lactescens, 236373.
Lophanthus sp., 239620.
Lotus conimbricensis, 238334.
corniculatus, 237278, 244036.
edulis, 244281.
greenetii, 240886.
maroccanus, 239945.
pedunculatus, 237188, 239936–239940.
peregrinus, 238335.
purshianus, 236862.
pusillus, 238336.
tenuis, 238337.
 sp., 241386, 241387, 243222.
Luculia gratissima, 240824.
 sp., 237335.
Luehea divaricata, 241408.
grandiflora, 244021.
Luffa sp., 240887, 241751.
 Lungana. See *Euphoria longana*.

- Lupine. See *Lupinus* spp.*
 blue. See *L. angustifolius*.
 Washington. See *L. polyphyllus*.
 white. See *L. albus*.
 yellow, European. See *L. luteus*.
Lupinus albus, 237719, 237720, 240843,
 242659, 243335, 244365, 244366,
 244572.
angustifolius, 237721, 240748,
 240749, 242086-242088, 242660,
 243336-243338, 244367.
argenteus 241057, 241058.
caudatus, 241059, 241060.
humicola, 241061.
leucophyllus, 236863.
luteus, 238985, 240750, 240751,
 241880, 242000-242009, 243339.
pilosus, 241881.
polyphyllus, 236864, 236865.
rothmaleri, 244461, 244462.
sericeus, 236866, 241062.
 sp., 241271, 241272.
Lycaste denningiana, 239130.
gigantea, 239131.
skinneri, 241034.
xytriophora, 239132.
 sp., 239133.
 Lychee. See *Litchi chinensis*.
Lycium afrum, 242038.
Lycopersicon (hybrid), 237640.
esculentum, 237131-237137, 241592,
 244672.
Lysimachia acroademia, 239596.
Machilus viridus, 243286.
Mackaya bella, 240439.
Macleania punctata, 243892.
 Maqui. See *Aristotelia chilensis*.
Maesa sp., 237465, 240812.
Magnolia (hybrid), 242433.
campbellii, 242904, 243866, 243867.
dawsoniana, 238025, 243868.
globosa, 243869, 243870, 243876.
grandiflora, 242400.
mollicomata, 243871, 243872,
 244032.
nitida, 243270.
sargentiana, 238026, 238027,
 243873, 243874, 243875.
 × *soulangeana*, 241973.
 × *watsonii*, 240739.
Mahonia aquifolium, 237352, 237679,
 242287.
fortunei, 236237.
lomarifolia, 239376.
longipes, 240718.
moranensis, 241474.
siamensis, 239248, 241328.
toluacensis, 242535.
 × *wagneri*, 242286.
 Maidenhair-tree. See *Ginkgo biloba*.
Malpighia fucata, 240003.
punicifolia, 240685, 240815, 240816.
Malus (hybrid), 237353.
platycarpa, 237611.
 × *purpureus*, 236359.
sylvestris, 236480, 237685, 237686,
 237700-237703, 238028, 238074,
 238075, 238385, 238786-238791,
 240817, 241965, 241966, 241999,
 242010-242012, 244723-244726.
trilobata, 238169.
Malbaviscus conzattii, 239544.
Mandragora officinarum, 242231.
Manfreda maculosa, 243556.
variegata, 243557, 243558.
Manglietia hookeri, 243981.
insignis, 243271.
Manisuris sp., 239186, 241527, 241528,
 241529.
 Manzanita. See *Arctostaphylos rubra*.
 Maple. See *Acer* spp.*
 Japanese. See *A. palmatum*.
 Norway. See *A. platanoides*.
 Trident. See *A. buergerianum*.
Marah macrocarpa, 241962.
Marattia fraxinea, 242401.
Marcgravia picta, 241247.
umbellata, 242346, 242606, 243982.
Marrubium supinum, 242039.
Marsdenia edulis, 240888.
Masdevallia rosea, 239134.
Maurandia erubescens, 241300.
Maurocenia capensis, 240317.
Maxillaria grandiflora, 239135.
nigrescens, 239136.
sanderiana, 239137.
 sp., 239138, 242770.
 Medic. See *Medicago* spp.*
 barrel. See *M. tribuloides*.
 black. See *M. lupulina*.
Medicago auroculata, 244282.
falcata, 236413.
hemicycla, 236411.
laciniata, 239868, 244284.
lupulina, 237279.
murex, 239869.
obscura, 244673.
orbicularis, 238144, 244316.
polymorpha var. *vulgaris*, 244283,
 244312-244315.
sativa, 236605-236608, 236614-
 236615, 237213, 237215, 238145-
 238153, 238591, 238914-238918,
 239946-239952, 241442, 241882,
 243223, 243224, 244047, 244084,
 244317.
sativa var. *gaetula*, 239953-239956.
sativa var. *glutinosa*, 236410, 244674.
sativa var. *varia*, 237722, 237723,
 238338.
sogdiana, 236412.
tianschanica, 236414.
transoxana, 236415.
tribuloides, 239870-239881, 241443,
 243884, 244285.
turbincta, 239882-239888.
 var. *aculeata*, 244318.
 sp., 3236416, 26417, 243225.

- Medinilla curtisii*, 241941.
scortechinii, 241942.
sedifolia, 242543, 242544, 242603.
venosa, 242347.
- Mediocalcar erectum*, 242751.
monticola, 242750.
uniflorum, 242752, 242753.
- Melaleuca densa*, 242162.
elliptica, 240975.
glomerata, 236449, 242163.
incana, 242164.
lateriflora, 242165.
longicoma, 242166.
megacephala, 242167.
squamea, 242168.
squarrosa, 242169.
steedmanii, 242170.
uncinata, 236450.
wilsonii, 240976.
- Melic. See *Melica* spp.*
- Melica imperfecta*, 241273, 241274.
smithii, 236867.
subulata, 236868.
- Melilotus indica*, 244286.
italica, 244287.
neapolitana, 238339.
- Meliosma veitchiorum*, 243877.
- Melodinus scandens*, 240038.
- Melothria hederacea*, 241149, 241248, 241860.
- Mercurialis annua*, 240288, 243795, 244381, 244699.
- Mesua ferrea*, 236374, 236375.
- Michelia nilagirica*, 240689.
 sp., 237466, 237467.
- Miconia saldanhaei*, 242348.
- Microlaena stipoides*, 238340.
- Microleptia strigosa*, 241924.
- Micromeria obovata*, 240507.
- Microseris scapigera*, 236389.
- Microstegium ciliatum*, 239636.
spectabile, 238852-238854.
- Milkvetch. See *Astragalus* spp.*
- Alpine. See *A. alpinus*.
 prairie. See *A. striatus*.
 purple. See *A. agrestis*.
- Millet, pearl. See *Pennisetum spicatum*.
- Millettia pendula*, 240693.
- Mimosa invisa*, 237646.
 sp., 238910.
- Mirabilis* sp., 241752.
- Miscanthidium erectum*, 241489-241492.
- Miscanthus floridulus*, 237670, 238855, 239518, 241531-241538.
 sp., 238216, 238217.
- Mitchella undulata*, 237888.
- Mitraria coccinea*, 241249.
- Molinia caerulea*, 244022.
- Momordica charantia*, 237985, 242349.
- Monetia barlerioides*, 240039.
- Monodora tenuifolia*, 239550.
- Montanoa rosei*, 240717.
tomentosa, 240814.
- Montrichardia arborescens*, 236157.
- Moonflower. See *Calonyction aculeatum*.
- Morinda umbellata*, 237889.
- Morning-glory. See *Ipomoea* spp.*
- common. See *I. purpurea*.
 fingerleaf. See *I. digitata*.
 tree. See *I. arborescens*.
- Moschosma riparium*, 242350.
- Mosla perforata*, 24246.
- Mountain-ash. See *Sorbus* spp.*
- Korean. See *S. commixta*.
 white beam. See *S. aria*.
- Mucuna atropurpurea*, 241150.
novaguinensis, 243841.
rostrata, 243842.
 sp., 237969.
- Muehlenbeckia sagittifolia*, 238776.
- Mu-oil tree. See *Aleurites montana*.
- Musa* sp., 241340.
- Muscari botryoides*, 239369.
- Muskmelon. See *Cucumis melo*.
- Mussaenda* (hybrid), 240697.
philippica, 240696.
- Myoporum acuminatum*, 240040.
laetum, 240526.
- Myosotis* sp., 237468.
- Myriocarpa longipes*, 240508.
- Myrsine capitellata*, 240509.
nummularia, 242351.
tomentosa, 240681.
- Mystroxylois aethiopicum*, 241388.
- Nandina domestica*, 236238, 236239.
- Narcissus asturiensis*, 238523, 238699, 238700.
bulbocodium, 238087, 238824, 238777, 238877, 238878, 239061, 239062.
bulbocodium var. *citrinus*, 238029.
calciola, 237778.
cyclamineus, 238701.
elegans var. *oxypetalus*, 238088.
johnstonii, 238736.
jonquilla, 238506, 238702, 238737, 239063.
poeticus var. *recurvus*, 239333, 239358.
poeticus var. *verbanensis*, 239682.
pseudonarcissus, 238703, 238738, 238739, 242797.
pseudonarcissus ssp. *nobilis*, 238525.
pseudonarcissus ssp. *tortuosus*, 238526.
rupicola, 238507, 238704, 238716.
scaberulus, 238705.
serotinus, 238089, 243837.
tazetta, 238740, 240925-240927 240992-240994.
tazetta var. *italicus*, 240308.
tazetta ssp. *papyraceus*, 238090, 238099.
triandrus, 238529, 238706-238708, 238741, 239082.
triandrus var. *cernuus*, 238527.
triandrus var. *concolor*, 238879, 238880.
- Nautilocalyx lynchii*, 242607.

- Nectarine. See *Prunus persica* var. *netarina*.
Nematanthus longipes, 241151.
Neoglaziovia variegata, 243917.
Nepenthes ampullaria, 242019, 242020.
khasiana, 242021.
rafflesiana, 242022.
ventricosa, 242023.
Neptunia prostrata, 241301.
Nerine sarniensis, 243838.
Nerium oleander, 239064, 239249,
 241314-241316, 241329-241334, 241-
 861, 241862.
Neurachne alopecuroides, 238341.
mitchelliana, 238342.
Nicandra physalodes, 241753, 241754.
Nicotiana acaulis, 237418, 238970.
ameghinoides, 236487.
exigua, 241001, 241002, 241014.
fragrans, 241003.
glauca, 240592.
glutinosa, 241755-241758, 241768.
goodspeedii, 241004-241006, 241012,
 241013.
ingulba, 244623, 244635, 244636.
langsдорffii, 241759.
megalosiphon, 241007-241010.
paniculata, 241769.
plumbaginifolia, 241760.
rustica, 243561, 243562.
solanifolia, 241761.
spiegazzinii, 236488, 239119.
stenocarpa, 244624-244628, 244637.
tabacum, 239223, 239224, 239654,
 239655, 240354, 240355, 240429-
 240431, 240827, 241412-241414,
 241539, 241762-241767.
tomentosa, 240432.
velutina, 244629-244634, 244638.
wigandoides, 240433.
sp., 239520, 241011, 241015-
 241017, 241770, 241771.
Nigella sativa, 244360.
Nightshade, black. See *Solanum*
nigrum.
 Paraguay. See *S. rantonnetii*.
Nivenia corymbosa, 243983.
Nolana sp., 241772.
Notelaea excelsa, 240041, 240764, 241604.
Nothopanax arboreum, 241258.
davidii, 239482, 241250.
laetus, 239545, 241251.
Nyssa sp., 237469.
Oak. See *Quercus* spp.*
 Japanese, blue. See *Q. glauca*.
Oats, common. See *Avena sativa*.
Oberonia falcifolia, 242754.
Ochna multiflora, 241909.
squarrosa, 240690.
Ocotea foetens, 240440.
Odontadenia grandiflora, 243843.
Odontoglossum cirrhosum, 239139.
Odontospermum maritimum, 239068,
 241943.
Olea cunninghamii, 243106.
europaea, 241920.
sp., 244034, 244035.
Oleander. See *Nerium oleander*.
Olearia pinifolia, 242352.
sp., 241926.
Olinia cymosa, 240042.
Olive. See *Olea europaea*.
Omphalodes japonica, 239597.
Oncidium aureum, 239140.
fallens, 239141.
macranthum, 239142.
 var. *williamsianum*, 239143.
ornithorhynchum, 240492.
sp., 239987.
Oncoba roulledgei, 244612.
Onion, common. See *Allium cepa*.
 nodding. See *A. cernuum*.
 Welch. See *A. fistulosum*.
Onobrychis arenaria, 243796, 244371.
caput-galli, 244361.
petraea, 244372.
viciaefolia, 236486, 237089, 239957-
 239960.
sp., 243226, 243227.
Ononis biflora, 244319.
mitissima, 244320.
natrix, 241948.
speciosa, 239069.
Ophiopogon intermedius, 242402, 242403.
sp., 237470, 247471.
Ophiurus exaltatus, 239193, 239521,
 239656.
sp., 241540, 241541.
Orange, hardy. See *Poncirus trifoliata*.
 king. See *Citrus nobilis*.
 Mandarin. See *C. reticulata*.
 sour. See *C. aurantium*.
 sweet. See *C. sinensis*.
Orchidantha longiflora, 242399.
Oregongrape. See *Mahonia aquifolium*.
Oreopanax capitatum, 238955, 241392.
dactylifolius, 240108.
echinops, 239250, 239253, 241152.
floribundum, 241084, 241099,
 241252, 241409.
zalopense, 239994, 241153.
sp., 241921.
Ormosia emarginata, 239256.
sp., 240072.
Ornithogalum algeriense, 238792.
unifolium, 238709.
Ornithopus compressus, 244321.
sp., 244048.
Oryza australiensis, 239667.
barthii, 236390.
brachyantha, 236391, 237986.
breviligulata, 236392.
granulata, 239668.
meyeriana, 241462.
ridleyi, 239669.
sativa, 236421, 236422, 237259-
 237261, 237350, 238113, 238114,
 238117-238119, 238175-238193,
 238489-238497, 239072, 239073,
 239074, 239075, 239672, 239673,

Oryza sativa—Continued

- 240633–240640, 240649–240653,
241372, 241463–241465, 242801–
242810, 244080–244083, 244355–
244357, 244681–244684, 244727.
sativa var. *fatua*, 239670, 239671.
stapfi, 236393, 237987.
Oryzopsis asperifolia, 236869–236873.
canadensis, 236874, 236875.
hymenoides, 236876–236879.
miliacea, 240165–240168.
pungens, 236880–236883.
Osmanthus americanus, 240734.
armatus, 242232.
delavayi, 242233, 242288, 243272.
× *fortunei*, 238030, 242236, 242888,
243839.
fragrans, 236240, 239683, 242235.
heterophyllus, 236241, 242237,
242238, 242290–242292, 242884,
242885.
serrulatus, 242239, 242887.
suavis, 242240, 242293, 242886.
yunnanensis, 242234, 242289,
242883.
sp., 239251, 241393, 242889.
Osmanthus, Delavay. See *Osmanthus*
delavayi.
× *Osmarea burkwoodii*, 242241.
Osmorhiza chilensis, 236884.
Osteospermum moniliferum, 239377.
Osyris alba, 241605.
Oxalis fruticosa, 242353.
japonica, 239598.
Oxylobium ellipticum, 238343.
Oxytropis deflexa var. *sericea*, 236885.
sericea var. *spicata*, 236886, 236887.
Pachira sp., 244049.
Pachysandra terminalis, 236242.
Pachystroma longifolium, 239928, 240116,
240343, 241356.
Paeonia lusitanica, 238710.
officinalis, 239065, 241863.
Pahudia africana, 237299.
Palisota albertii, 242404.
elizabethae, 242405.
maclaudii, 242406.
Palm, Nikau. See *Rhopalostylis sapida*.
Palwan. See *Dichanthium annuatum*.
Pancratium maritimum, 238742, 242029.
Pandanus graminifolius, 240510.
humilis, 240531.
Pandorea australis, 236451.
ricasoliana, 240742.
Panicum antidotale, 243906.
cymbiforme, 238344.
decompositum, 238345.
lanipes, 238346.
maximum, 243802.
prolutum, 237111.
Pansy, tufted. See *Viola cornuta*.
Papaya. See *Carica papaya*.
Paradisea liliastrium, 239686.
lusitanica, 238779.
Paraglycine radicata, 239212.

- Paranomus reflexa*, 237614.
Parrotbeak. See *Clanthus* spp.*
Paspalum alnum, 240408.
consersum, 237130.
notatum, 237141–237144, 241876–
241878.
plicatulum, 243803.
scrobiculatum, 241444, 244675,
244676.
Passiflora (hybrid), 243897.
× *allardii*, 243894.
antioquiensis, 242354.
× *bellottii*, 242355.
× *cardinalis*, 242356.
coriacea, 241253.
edulis, 243804, 243805.
mixta, 243895.
mollissima, 241944.
suberosa, 241254, 243896.
sp., 241773, 241774.
Passionflower. See *Passiflora* spp.*
cork. See *Passiflora suberosa*.
Paullinia thalictrifolia, 242357.
Paulownia fortunei, 239684.
Pea. See *Pisum jomardii*.
garden. See *P. sativum*.
Peach. See *Prunus persica*.
Peanut. See *Arachis hypogaea*.
Pear. See *Pyrus syriaca*.
common. See *P. communis*.
Peavine. See *Lathyrus* spp.*
flatpod. See *L. cicera*.
grass. See *L. sativus*.
perennial. See *L. latifolius*.
Pelargonium (hybrids), 243988, 243989.
acetosa, 241394, 241395.
australe, 240590.
carnosum, 241864.
caylae, 241302.
ferulaceum, 241865.
fragrans, 243984.
glaucum, 241522, 241866.
glutinosum, 243985.
peltatum, 241085.
quercifolium, 243986.
radula, 243990.
salmoneum, 241154, 241303, 241867.
saxifragoides, 242609.
× *vandesiae*, 243991.
zonale, 240813, 241396.
sp., 241397, 241398, 242358, 242610,
242611, 243987.
Pellionia sp., 241255.
Pennisetum ciliare, 240169–240171,
241445, 241446, 243198, 243199.
pedicellatum, 237668.
spicatum, 244050, 244051.
sp., 239657, 239658.
Penstemon barbatus, 243797.
confertus, 236890.
ellipticus, 236889.
hirsutus, 243798.
lyallii, 236888.
spectabilis, 242261.
Pentaclethra macrophylla, 238913, 244614.

- Pentapterygium* (hybrids), 242359, 243898.
serpens, 242362.
Pentarhaphia craniolaria, 240535.
Pentas lanceolata, 242360, 242361.
sp., 242427.
Pentaschistis thunbergii, 238347.
 Peony. See *Paeonia officinalis*.
Peperomia brachytricha, 242612.
brevipes, 241155.
fenzelii, 240005.
incana, 240006.
lyallii, 242536.
madagascariensis, 242613.
marmorata, 241470.
obtusifolia, 241469.
pereskiaefolia, 240007, 240621.
prostrata, 241256.
resedaeifolia, 240823, 241257.
rotundifolia, 242614.
rubella, 240008.
scandens, 241471.
velutina, 240622.
verticillata, 238881.
sp., 241227, 242537, 242538.
 Pepino. See *Solanum muricatum*.
 Pepper. See *Piper* spp.*
 black. See *P. nigrum*.
 Kava. See *P. methysticum*.
Periploca graeca, 240314.
 Periwinkle. See *Vinca major*.
Pernettya, broadleaf. See *Pernettya mucronata*.
Pernettya mucronata, 243992, 243993.
Perotis rara, 238348.
Persea americana, 243883.
 Persimmon, Oriental. See *Diospyros kaki*.
Petalostemum molle, 241063.
Peucedanum japonicum, 237839.
Phaedranthus buccinatorius, 238882, 241399.
Phalaris aquatica, 236482, 236536–236549, 240220–240284, 240443–240445.
arundinacea, 236525, 237189, 237724, 241064, 241065.
brachystachys, 239338, 239806–239824.
coerulescens, 236526–236530, 240172–240195, 240446–240476.
minor, 239825–239844.
paradoxa, 239340, 239845–239854.
platensis, 239339.
truncata, 236531–236535, 240196–240219.
sp., 240477.
Phaseolus acutifolius var. *latifolius*, 239056.
angularis, 237689, 240407.
aureus, 237114, 247115, 237669, 244052.
caracalla, 241868.
lunatus, 241775–241792.
vulgaris, 236467, 241793–241795, 244053, 244715.
Phaseolus—Continued
sp., 239355.
Phellodendron japonicum, 236594.
Philadelphus *sp.*, 237472.
Phillyrea decora, 242890, 242891.
Philodendron longipetiolatum, 241157.
sp., 237647, 237940, 237943, 238639, 241156.
Phleum alpinum, 236891.
pratense, 237190, 237191, 237280, 237281, 237725, 238986.
Phlomis crinita, 241844.
fruticosa, 239334.
herba-venti, 241486, 242040.
Photinia flavidiflora, 243316.
glomerata, 242294.
integrifolia, 242407.
prionophylla, 243329.
sp., 242892, 244719.
Phygeliu capensis, 240800, 241027.
Phyllagathis rotundifolia, 242363.
Phyllanthus angustifolius, 242364.
sp., 237473.
Phyllostachys bambusoides, 241488.
makinoi, 237990.
Phymatidium tillandsioides, 241410.
Physalis *sp.*, 241796–241802.
Phytolacca acinosa, 242647.
dodecandra, 240801.
Picea abies, 237116–237120, 237233–237238, 237320–237322, 238548–238554, 238583–238589.
bicolor, 237323.
brachytyla, 237324.
glehnii, 238596.
likiangensis, 238031.
mariana, 237239, 237240.
obovata var. *alpestris*, 237232.
omorika, 237325.
orientalis, 237167, 237241, 237242, 237326.
pungens, 237243–237246.
Pieris formosa, 243274, 243317.
 var. *forrestii*, 243330, 243994.
forrestii, 243275.
japonica, 242295, 243995.
 Pieris, Japanese. See *Pieris japonica*.
Pilea nummulariaefolia, 240824.
pubescens, 240623.
Pileostegia viburnoides, 242296.
Pilocarpus pennatifolius, 240117.
 Pine. See *Pinus* spp.*
 Austrian. See *P. nigra*.
 Korean. See *P. koraiensis*.
 mountain, Swiss. See *P. mugo*.
 red, Japanese. See *P. densiflora*.
 Scotch. See *P. sylvestris*.
 stone, Japanese. See *P. pumila*.
 Swiss. See *P. cembra*.
 yellow, Western. See *P. ponderosa*.
 Pineapple. See *Ananas comosus*.
 Pink, Cheddar. See *Dianthus caesius*.
 Chinese. See *C. chinensis*.
 garden. See *C. plumarius*.
 maiden. See *C. deltoides*.

- Pinus cembra*, 237327.
cembroides, 237248.
densiflora, 237249.
heldreichii var. *leucodermis*, 237250.
koraiensis, 238980, 238981.
lambertiana, 239551, 239552.
mugo, 237251, 238590.
nigra, 238201, 238642, 241974.
patula, 239553.
pentaphylla, 238597.
pinaster, 238711.
ponderosa, 244394.
pumila, 237247, 237328, 244382.
 × *schuerinii*, 237252.
sylvestris, 237253, 237254, 237329–237331, 238032.
- Piper cellidifolium*, 240043.
kadzura, 241158.
magnificum, 240498.
methysticum, 237834, 239688, 240494.
nigrum, 240828.
ornatum, 241607.
 sp., 239523.
- Piptanthus forrestii*, 242297.
laburnifolius, 242408.
 sp., 237474.
- Pisum jomardii*, 242027.
sativum, 236489–236494, 240513–240519, 241593, 242028, 244054, 244055, 244088–244272.
- Pithecellobium dulce*, 240719.
- Pittosporum*, cape. See *Pittosporum viridiflorum*.
- Pittosporum confertiflorum*, 236376.
Coriaceum, 241358.
heterophyllum, 243276.
huttonianum, 241922.
viroidiflorum, 237615, 240044.
- Plagiosetum refractum*, 238349.
- Plantago albicans*, 240287.
lanceolata, 242649.
major, 242648.
maritima, 242650.
- Plantain. See *Plantago* spp.*
- Platycarya strobilacea*, 238033, 238045.
- Platyclinis* sp., 242769.
- Plectrachne rigidissima*, 238350.
- Plectranthus ciliatus*, 239685.
- Pleiostachya* sp., 242409.
- Plum, Alpine. See *Prunus brigantina*.
 common. See *P. domestica*.
 Myrobalan. See *P. cerasifera*.
- Plumbago scandens*, 241803.
- Poa acicularifolia*, 237162.
alpina, 236892–236897.
ampla, 236898, 236899.
annua, 236900.
arctica, 236901, 236902.
bulbosa, 237673.
caespitosa, 240478–240485.
canbyi, 236903–236905, 241066, 241067.
compressa, 236906, 236907, 243216.
flabellata, 237641.
glauca, 236908.
- Poa*—Continued
interior, 236909–236911.
lindsayi, 237163.
maniototo, 237164.
palustris, 236912–236914.
pratensis, 236603, 236915, 236916, 236918–236921, 236924, 236925, 237192, 237282, 237709, 237807–237811, 241068.
stenantha, 236922.
trivialis, 238987.
 sp., 236917, 236923, 237165.
- Podalyria canescens*, 242365.
- Podocarpus gracilior*, 241377.
mannii, 238956, 241869.
neriifolius, 241923.
- Podranea brycei*, 241028, 241385.
ricasoliana, 241335.
- Pogonatherum crinitum*, 241544, 241545.
panicum, 239524–239526, 241546.
- Poinsettia. See *Euphorbia pulcherrima*.
- Pokeberry. See *Phytolacca acinosa*.
- Polygala microphylla*, 238712, 243878.
myrtifolia, 241581.
nicaensis, 239370, 241336.
- Polygonatum falcatum*, 239599.
- Polygonum ephedrioides*, 239546.
paleaceum, 237475.
sachalinense, 244383, 244384.
 sp., 237476.
- Polystachya cultiriformis*, 242758, 242759.
- Polytoca macrophylla*, 239195, 239196, 239527–239529, 239659, 241547–241553.
- Poncirus trifoliata*, 240121.
- pandorea, Ricasol. See *Podranea ricasoliana*.
- Poplar. See *Populus* spp.*
- Populus* × *canadensis*, 238170.
 × *robusta*, 238555–238559.
tremula, 238034, 238171, 238172.
- Porana* sp., 237477.
- Porphyrostachis pilifera*, 239144.
- Potato. See *Solanum tuberosum*.
- Potentilla fruticosa*, 242207–242214, 242217, 242218, 242242–242245, 242298, 242893, 244654.
fruticosa var. *farreri*, 242215, 242216.
fruticosa var. *grandiflora*, 242219.
fruticosa var. *mandshurica*, 242220.
fruticosa var. *rigida*, 242221, 242222.
fruticosa var. *veitchii*, 242246.
fruticosa var. *vilmoriniana*, 242223.
 sp., 237478.
- Pothos scandens*, 242366.
- Prestonia venosa*, 242332.
- Primrose. See *Primula mollis*.
 Himalayan. See *P. denticulata*.
- Primula denticulata*, 237479.
mollis, 237481.
 sp., 237480.
- Prionium palmita*, 240315.
- Privet. See *Ligustrum* spp.*

- Prunus amygdalus*, 241571-241575.
armeniaca, 237642, 238643, 240818,
 241415-241418, 244070-244074.
avium, 237754-237790, 238076-
 238078.
brigitina, 237698.
canescens, 237699.
cerasifera, 238035, 241400.
cerasoides, 237482.
domestica, 238512-238518.
emarginata, 236926.
laurocerasus, 242867.
lusitanica var. *azorica*, 243107.
mahaleb, 237693, 243937.
mume, 238036.
pensylvanica, 236927.
persica, 237680, 237681, 237824,
 240928-240931, 241309 242,845.
persica var. *nectarina*, 241305.
serrula, 237694.
serrulata, 237358, 237972.
subhirtella, 238037.
virginiana var. *melanocarpa*, 236928.
zippeiana, 241487.
 sp., 237620, 238079, 238080, 241846,
 241884, 241885, 242871, 244075-
 244079.
Pseudopanax crassifolium, 241259.
Pseudotsuga menziesii, 237255, 237256,
 237332-237334.
Psidium sp., 238935.
Psoralea adscendens, 238351.
bituminosa, 238352.
cinerea, 238353.
patens, 238354.
pinnata, 237616.
Psychotria serpens, 237890.
 sp., 237891, 237892.
Ptelea trifoliata, 236595.
Pterocarpus angolensis, 237300.
Pteroceltis tatarinowii, 237830, 242024.
Pterospermum suberifolium, 240595.
Puccinellia stricta, 237166.
Pummelo. See *Citrus grandis*.
Purshia tridentata, 236929.
Putoria calabrica, 241949.
 X *Pyracomeles vilmorinii*, 237921,
 242025.
Pyrrosia lingua, 240502.
Pyrus communis, 237431, 238386,
 238563, 238743, 238744, 241967,
 241968, 241969-241972.
serotina, 236264.
syriaca, 237643.
 sp., 237483.
Quamoclit sp., 237095.
Quercus alnifolia, 242930.
breweri, 244351.
gilva, 237893.
glauca, 237894.
hispanica var. *dentata*, 243215.
pyrenaica, 238713.
vaccinifolia, 244352.
wrightii, 237895.
 sp., 237896.
Quillaja brasiliensis, 242042.
Quince. See *Cydonia oblonga*.
Radish. See *Raphanus sativus*.
Ragi. See *Eleusine coracana*.
Ramie. See *Boehmeria nivea*.
Randia laevigata, 240889.
Ranunculus acris, 239456.
aquatilis, 239457.
arvensis, 239458.
asiaticus, 238972.
broteri, 239459.
bullatus, 239460.
bupleuroides, 239461.
ficaria, 238973.
flammula, 239462.
inamoenus, 236930.
lanuginosus, 239463.
muricatus, 239464.
ophioglossifolius, 239465.
parviflorus, 239466.
purshii, 236931.
repens, 239467.
reptans, 236932.
sardous, 239468.
sceleratus, 236933, 239469.
trachycarpus, 239470.
unicinatus var. *parviflorus*, 236934.
 sp., 236935.
Raphanus sativus, 242491.
Raphiolepis umbellata, 237898.
 sp., 237897.
Raspberry. See *Rubus* (hydrids).
 European. See *R. idaeus* var.
strigosus.
 flowering, white. See *R. parvi-*
florus.
 Korean. See *R. coreanus*.
 woolly. See *R. lasiostylus*.
Rawolfia vomitoria, 237202, 237339,
 237424.
Redpepper. See *Capsicum frutescens*.
Reevesia pubescens, 242434.
 sp., 243277.
Restio subverticillatus, 242410.
Retinospora, Sawara. See *Chamae-*
cyparis pisifera.
Rhagodia nutans, 241172.
Rhamnus alaternus, 237831, 241910.
crocea ssp. *ilicifolia*, 242262.
oleoides, 241945, 242041.
prinoides, 243916.
 sp., 237899.
Rhododendron (hybrids), 242435, 242441,
 242476, 242485, 243318, 243319,
 243996-243999.
araiophyllum, 242436.
arboreum, 237484, 242437, 242438.
argyrophyllum var. *nankingense*,
 242439.
bureavii, 242440.
carneum, 242442.
chrysadoron, 242443.
chryseum, 242444.
ciliicalyx, 242445.
concatenans, 242446.
crassum, 242411, 242447-242449.
cubittii, 242450.

Rhododendron—Continued

- cuffeanum*, 237485.
dalhousiae, 242451.
dauricum var. *mucronulatum*, 240654.
delavayi, 242452.
diaprepes, 242453.
edgworthii, 242454.
eximium, 242455.
facetum, 242456–242460.
ferrugineum, 241337.
griersonianum, 242461.
griffithianum, 242462.
hansemanii, 239660, 240356.
hardingii, 242463.
hodgsonii, 242299, 242464.
indicum, 238598.
insigne, 242465.
iteophyllum, 242466, 242467.
jasminiflorum, 242915.
javanicum, 242916, 242917.
johnstoneanum, 242468.
lindleyi, 242469.
lochae, 242470.
lukiangense, 242471.
macabeanum, 242300.
macrocarpum, 243278.
maddenii, 242472.
manipurense, 242473.
megacalyx, 242474.
moupinense, 242475.
oldhamii, 242477.
ponticum, 238715, 238780.
retusum, 242918.
scabrum, 242478.
sinonuttallii, 242479, 244000.
supranubium, 242480.
taggianum, 242482.
thomsonii, 242481.
valentinianum, 242483.
veitchianum, 242484.
zeylanicum, 242486.
 sp., 237486, 237487.
Rhododendron, pontic. See *Rhododendron ponticum*.
 rock. See *R. ferrugineum*.
 tree. See *R. arboreum*.
Rhodoletia championi, 239257.
Rhopalostylis sapida, 236377.
Rhus undulata, 240118.
Rhynchosia phaseoloides, 240523.
pyramidalis, 240122.
Rhytidophyllum tomentosum, 240620.
Ribes laurifolium, 242301.
sanguineum, 238038.
 sp., 237122.
 Rice. See *Oryza* spp.*
Richea scoparia, 242302.
Ricinus communis, 238194, 240310–240312, 240673, 240674, 241362–241371, 243058–243062, 243081, 243200–243214, 244573.
Rofnia × *holdtii*, 237832.
 Rockrose. See *Cistus villosus*.
 Montpellier. See *C. monspeliensis*.
 whiteleaf. See *C. albidus*.

- Rodgersia aesculifolia*, 242931.
Rogiera elegans, 240045.
Romulea bulbocodium, 238508.
Rondeletia amoena, 240380.
odorata, 242367.
Rosa (hybrid), 241911.
acicularis var. *sayiana*, 236936–236942.
arkansana, 236943, 236944.
blanda, 236945.
canina, 236145.
eglanteria, 236152.
francofurtana, 236147.
multiflora, 236149.
stellata var. *mirifica*, 242224.
woodsii, 236946.
xanthina f. *spontanea*, 242225, 242226.
 sp., 236144, 236146, 236148, 236150, 236151, 236153–236155, 237488, 241029, 241804.
Roscoea sp., 237489.
 Rose. See *Rosa* spp.*
 dog. See *R. canina*.
 Japanese. See *R. multiflora*.
 Korean. See *R. xanthina* f. *spontanea*.
 meadow. See *R. blanda*.
 Woods. See *R. woodsii*.
 Roselle. See *Hibiscus sabdariffa*.
 Rosemary. See *Rosmarinus officinalis*.
Rosmarinus officinalis, 238714, 240802, 241097, 241338, 242996, 244001.
Rottboellia rotboellioides, 239187, 239192, 239194, 239519, 239522, 241542, 241543.
 sp., 239210.
Royena lucida, 239933.
 Rubbertree, Para. See *Hevea brasiliensis*.
Rubia sikkimensis, 242368.
Rubus (hybrids), 237529–237531.
acaulis, 236947.
chamaemorus, 236948.
choachiensis, 237098.
coreanus, 237534.
flosculosus, 237532.
gachetensis, 237099.
idaeus var. *strigosus*, 236949–236951.
innominatus var. *kuntzeanus*, 237533.
lasiostylus, 237535.
leucodermis, 236952.
macrocarpum, 237100, 237101.
moluccanus, 242369.
parviflorus, 236953, 236954.
pedatus, 236955.
pubescens, 236956.
roseus, 237102.
thibetanus, 237536.
tricolor, 242279.
 sp., 236378, 236379, 237103–237106, 242919.
 Rue, common. See *Ruta graveolens*.

Ruellia ciliatiflora, 242043.
macrantha, 242615.
squarrosa, 241870.
Rumex hymenosepalus, 240289–240303,
 240720–240724, 240876, 241886–
 241893.
 sp., 241805, 241806.
Ruscus aculeatus, 238218, 244690.
 sp., 244688.
Ruta graveolens, 242539, 244002.
 Rye. See *Secale* spp.*
 mountain. See *S. montanum*.
 Sacaline. See *Polygonum sachalinense*.
Saccharum (hybrids), 236452, 236453,
 236461, 236462, 237078–237088,
 237216, 237359–237409, 238198–
 238200, 238573–238575, 238644–
 238661, 239094–239098, 239313–
 239317, 240743–240747, 242617–
 242623, 242624–242626, 242842–
 242844, 242908–242914, 243146–
 243149, 244006–244010.
edule, 238530, 238531, 238799–
 238807, 239259–239262, 240082,
 240363, 240597, 240785, 240913.
officinatum, 238532–238535, 238808–
 238846, 239263–239309, 239556–
 239562, 240083–240103, 240364–
 240376, 240598–240606, 240786–
 240792, 240898–240909, 240985–
 240989, 241100–241106, 241119,
 241120, 241123–241128, 241132,
 241133.
robustum, 238538, 238847–238850,
 238856–238863, 239310–239312,
 239319–239323, 239563, 239564,
 239623–239632, 240104–240106,
 240377, 240378, 240396–240400,
 240521, 240607, 240608, 240793,
 240794, 240910–240912, 240915–
 240921, 240990, 240991, 241107,
 241109, 241110, 241121, 241122,
 241129, 241130.
spontaneum, 236460, 236463,
 238539–238545, 238662–238664,
 238864, 238865, 239530, 239531,
 240522, 240922, 241111–241113,
 241134–241136.
 sp., 238536, 238546, 240631, 241108,
 241137.
 Safflower. See *Carthamus tinctorius*.
 Sage. See *Salvia coccinea*.
 Sainfoin. See *Onobrychis viciaefolia*.
 St.-Johns-wort. See *Hypericum* spp.*
 common. See *H. perforatum*.
 goat. See *H. hirsutum*.
Saintpaulia grolei, 242370.
Salix amygdalina var. *concolor*, 237665.
bockii, 237666, 242247.
 × *boydii*, 242248.
caprea, 242487, 244026.
fargesii, 242488.
 × *grahamii*, 242894.
lanata, 238173, 242249, 242250.
laponum var. *stuartianum*, 242251.

Salix—Continued
moupinensis, 242412.
repens, 242252.
reticulata, 238107, 242253, 242254.
Salmea scandens, 240077.
Salpianthus macrodonatus, 240725.
Salvia apiana, 242263.
candelabrum, 241946.
clevelandii, 242264.
coccinea, 241159.
leonioides, 240046.
sclarea, 242651.
verticillata, 242652.
Sambucus glauca, 244389–244393.
melanocarpa, 236957.
nigra, 242540.
pubens, 236958.
racemosa, 242303.
 sp., 241069.
 Sandbur, big. See *Cenchrus myosuroides*.
Sanguisorba officinalis, 237218, 242495–
 242497.
Sanicula marilandica, 236959.
Sansevieria deserti, 238564.
grandis, 238565–238567.
metallica, 242679.
scabrifolia, 238568, 238569.
thyrsiflora, 238570–238572.
Sapindus marginatus, 240647.
 sp., 238007.
Sarcandra glabra, 237900, 237901.
Sarcococca confusa, 242895, 243108.
hookeriana var. *digyna*, 237833,
 243840.
 var. *humilis*, 243109.
ruscifolia, 239359, 239378.
 var. *chinensis*, 242896.
saligna, 237490, 239335.
Sargentodoxa cuneata, 242413.
Sarothamnus welwitschii, 242629.
Saurauja napaulensis, 242414.
punduana, 239483.
serrata, 240765.
Saxifraga lingulata var. *lantoscana*,
 239360.
 sp., 237491, 237492.
Scabiosa cretica, 240316, 240381, 241871.
Scalesia sp., 241807, 241808, 241809,
 241810.
Schedonnardus paniculatus, 241070.
Schefflera delavayi, 239379, 241260.
digitata, 240682.
horsfieldii, 240683.
venulosa, 238883, 240125.
Schima superba, 239258.
 sp., 237493.
Schisandra grandiflora, 242932.
marmorata, 242371.
Schizanthus sp., 241811.
Schizocapsa plantaginea, 242933.
Schizocentron elegans, 241162.
Schoenocaulon officinale, 241031.
 Scholartree, Chinese. See *Sophora*
japonica.
Schomburgkia undulata, 240493.

- Schotia brachypetala*, 241582.
speciosa, 237295.
Schrebera mazoensis, 241975.
saundersiae, 237617.
Sciadophyllum sp., 240540.
Scilla italica, 239361.
paucifolia, 241160.
socialis, 241261.
verna, 238039.
violacea, 241161.
 sp., 238781.
Scindapsus hederaceus, 242372.
Scirpus cernuus, 241980.
enundatus, 243881.
 sp., 243882.
 Scorpiontail. See *Scorpiurus muricata*.
Scorpiurus muricata, 239889.
 Screwpine. See *Pandanus* spp.*
Scrophularia nodosa, 242415, 244027.
 Scurf-pea. See *Psoralea* spp.*
 Sebesten. See *Cordia myxa*.
Secale anatolicum, 240285.
cereale, 237927, 239574-239581,
 240641, 240642, 240675, 240676,
 241279-241292, 241576-241578,
 243152-243179, 243630, 243631.
montanum, 240286.
 Sedge. See *Carex* spp.*
 Chamisso. See *C. pachystachya*.
 Golden. See *C. aurea*.
 inland. See *C. interior*.
 Morrow. See *C. morrowii*.
Sedum stoloniferum, 240382.
subtile, 239600.
 sp., 241021, 241022, 241023.
Selima nervosum, 239155.
Selaginella biformis, 243846.
commutata, 243847.
erythropus, 243849.
haematodes, 243850.
martensii, 243851.
martensii f. *albo-lineata*, 243860.
microdendron, 243852.
myosurus, 243853.
pallescens f. *aurea*, 243848.
plana, 243854.
pulcherrima, 243855.
umbrosa, 243857.
uncinata, 242373.
versicolor, 243858.
wallichii, 243859.
 sp., 243856.
Senecio cineraria, 238934.
glastifolius, 241091.
saxifraga, 240825.
saxifragoides, 241359.
tournefortii, 241839.
 Senna. See *Cassia* spp.*
 wormwood. See *C. artemisioides*.
Sequoia sempervirens, 242680.
 Serviceberry. See *Amelanchier* spp.*
 Sesame. See *Sesamum indicum*.
Sesamum angolense, 237410.
indicum, 237411-237414, 238416-
 238488, 238988-239001, 240591,
 240844-240856.
Sesbania benthamiana var. *campylocarpa*,
 236495.
benthamiana var. *erubescens*, 236496.
brachycarpa, 236497.
grandiflora, 240695.
sericea var. *glabra*, 236498.
sericea var. *inermis*, 236499.
sericea var. *subsinguliflora*, 236500.
 sp., 237970, 240726.
Setaria macrostachya, 240727.
palmifolia, 239197, 241554.
sphacelata, 241447-241450.
 sp., 237555.
Setcreasea purpurea, 239554.
Severinia buxifolia, 240534.
Shepherdia canadensis f. *xanthocarpa*,
 236960.
 Shrub-althea. See *Hibiscus syriacus*.
Sideroxylon inerme, 240441.
Simethis planifolia, 238782.
Simmondsia chinensis, 240733.
Sinarundinaria murielae, 237527, 244003.
nitida, 237528, 244004.
Sinojackia rehderiana, 242934.
 Sisal. See *Agave sisalana*.
Silalion hystrix, 241071.
Sium suave, 236961.
 Skimmia, Japanese. See *Skimmia ja-*
ponica.
Skimmia japonica, 237902, 239555.
reevesiana, 242305.
Smilax china, 237903.
 sp., 241812.
Smithia bigemina, 240520.
 Snapdragon. See *Antirrhinum* spp.*
 common. See *A. majus*.
 Snowball, Japanese. See *Viburnum*
plicatum.
 Snowflake. See *Leucojum autumnale*.
 Soapberry. See *Sapindus marginatus*.
 Solanum (hybrids), 243472-243500.
agrimonifolium, 243348-243352.
alandiae, 243501.
bonariense, 240309.
brachycarpum, 239403-239406,
 243344.
bulbocastanum, 239381-239402,
 243345, 243353, 243354, 243504-
 243513.
candolleianum, 243502.
cardiophyllum, 239407.
chomatophilum, 243340, 243341.
clarum, 243355.
commersonii, 243503.
hirsutissimum, 241813.
hyporhodium, 237537.
juzepeczukii, 238204, 238205.
malinchense, 238206, 238207,
 243458, 243459.
melongena, 241594, 244716.
morelliforme, 243346, 243356-
 243359.
muricatum, 241814-241817.
nigrum, 241818-241821.
rantonnetii, 241401.
rybinii, 238208, 243460-243468.

Solanum (hybrids)—Continued

- seaforthianum*, 238911.
stenotomum, 243469.
stoloniferum, 239408–239411, 243347.
trifidum, 239412, 244375–244380.
tuberosum, 237203–237211, 237736–237753, 237973, 238081–238086, 238202, 238203, 238720, 238721, 238785, 239413–239422, 239565–239567, 242790, 242791, 243343, 243360–243457, 243470, 243471.
 sp., 237904, 239423–239425, 240613, 241822–241825, 243342.
Solidago sp., 244005.
Sonchus leptocephalus, 241423.
Sophora japonica, 238884, 241473.
Sorbus aria, 236596, 237695–237697.
 commixta, 237905.
 vilmorinii, 242920.
 sp., 237906.
Sorghum aluum, 237556, 240996.
 intrans, 238355.
 laxiflorum, 238356, 239532, 239533.
 nigricans var. *angolense*, 241566.
 nitidum, 239198–239207, 239534–239537, 239661, 239662, 241555–241564.
 plumosum, 238357, 239208.
 stipodeum, 238358.
 verticilliflorum, 243560.
 vulgare, 236277–236297, 237682–237684, 239118, 239438, 239439–239441, 240655–240657, 241565, 243921–243935, 244056–244059, 244087.
 sp., 236454, 239209.
 Soybean. See *Glycine max*.
Spathicarpa saggitifolia, 241263.
 Speedwell. See *Veronica miqueliana*.
Sphenostylis stenocarpa, 244615–244617.
 Spiderlily. See *Hymenocallis amancaes*.
Spilanthes oleracea, 236265, 244362.
Spiraea sp., 237494.
Sporobolus airoides, 241072.
 contractus, 241073.
 Sprouts, Brussel. See *Brassica oleracea* var. *gemmifera*.
 Spruce. See *Picea* spp.*
 black. See *P. mariana*.
 Colorado. See *P. pungens*.
 Norway. See *P. abies*.
 Oriental. See *P. orientalis*.
 Sakhalin. See *P. glehnii*.
 Serbian. See *P. omorika*.
 Spurge. See *Euphorbia* spp.*
 Squash. See *Cucurbita maxima*.
 Squill. See *Scilla verna*.
Stachys sieboldii, 244639.
Stachyurus lancifolius, 237907.
Stanhopea tricornis, 239145.
 Star-of-Bethlehem. See *Ornithogalum unifolium*.
Stenolobium sp., 241826.
Stenotaphrum secundatum, 243552.
Stevia purpurea, 244363.

- Stevia* sp., 240728.
Stewartia melacodendron, 240735.
Stiffia chrysantha, 243559.
Stipa capillata, 243799.
 columbiana, 236962–236967.
 columbiana var. *nelsonii*, 241074.
 comata var. *intermedia*, 236968.
 formicarum, 237812.
 lettermani, 236969.
 neesiana, 237813–237818.
 occidentalis, 241075.
 papposa, 237819.
 richardsonii, 236970–236973.
 speciosa, 241275.
 tenacissima, 239234, 242089, 242798, 244331.
 viridula, 236974, 236975.
 sp., 241276.
Stizolobium sterrimum, 242492.
 sp., 239704, 240457, 242493, 242494, 242658.
 Stonecrop. See *Sedum* spp.*
Stranvaesia davidiana var. *undulata*, 238219.
 nussia, 239666, 240541.
 Strawberry, blueleaf. See *Fragaria glauca*.
 Chiloe. See *F. chilensis*.
 European. See *F. vesca*.
Strelitzia alba, 238936.
Streptocarpus caulescens, 239318.
Streptosolen sp., 241827.
Strobilanthes lactatus, 240766.
 glomeratus, 241163.
Strophanthus speciosus, 241264.
Stylosanthes guyanensis, 241452–241455.
 junceae, 241456.
 leiocarpa, 241451.
 montevidensis var. *subviscosa*, 241457.
 sundaica, 241458.
 sp., 241459.
 Sugarcane. See *Saccharum* spp.
 Sunflower, common. See *Helianthus annuus*.
Swartzia madagascariensis, 244030.
 Sweetbrier. See *Rosa eglanteria*.
 Sweetclover. See *Melilotus* spp.*
 Sweetgum. See *Liquidambar orientalis*.
 Sweetleaf. See *Symplocos* spp.*
 Sweetpotato. See *Ipomoea batatas*.
 Sweetroot. See *Osmorhiza chilensis*.
 Sweetvetch. See *Hedysarum* spp.*
 sulla. See *H. coronarium*.
 Sweet-william. See *Dianthus barbatus*.
Swertia sp., 237495, 237496.
Sycopsis sinensis, 238040, 242306.
Symphytia sp., 244700.
Symplocos dryophila, 243280.
 lucida, 239702.
 tinctoria, 240736.
 sp., 237497, 237498.
Tabebuia palmeri, 240729.
Tagetes lucida, 243003.
 sp., 241828.
 Tamarind, Velvet. See *Dialium guineense*.

- Tamarix*. See *Tamarix pentandra*.
Tamarix pentandra, 238041.
 Tanglehead. See *Heteropogon contortus*.
Tapeinocheilos pungens, 242416, 242541.
Tarchonanthus camphoratus, 240078.
Taxus cuspidata var. *umbraculifera*, 236243.
 sp., 237499.
 Tea. See *Camellia sinensis*.
Tecoma stans, 240890.
Tecomaria capensis, 241265.
 Tef. See *Eragrostis tef*.
Telepogon sp., 239988.
Telopia truncata, 242935, 242936.
Tephrosia candida, 244033.
 vogelii, 241347, 241348.
 sp., 240891.
Teramnus uncinatus, 241837.
Ternstroemia gymnanthera, 236244, 236245.
 sylvatica, 243197.
 sp., 243248.
Tetragonolobus purpureus, 238359, 244364, 244374.
 requienii, 244701.
Tetranthus sp., 240684.
Tetrapanax papyriferus, 239362.
Tetragium harmandii, 239548, 240127.
 voisinianum, 241266.
Teucrium betonicum, 238783.
 polium, 239070, 242044.
 sp., 239067.
Thalictrum sp., 237500.
Themeda australis, 238360.
 frondosa, 241568.
 gigantea, 239211, 241567.
 gigantea var. *villosa*, 239538.
 triandra, 237557, 238361.
 sp., 239539, 239540, 240841, 241569.
Theobroma cacao, 241168-241201, 241829, 243012-243044.
Theophrasta imperialis, 240344, 240442.
Thermopsis rhombifolia, 241076.
 zylorrhiza, 241077.
Thuja occidentalis, 244655, 244656.
 orientalis, 244657, 244658.
 plicata, 244659.
Thujopsis dolabrata, 236248, 236249.
Thunbergia cordata, 241164.
 elegans, 240648.
 erecta, 242681.
 gibsoni, 241872.
 vogeliana, 242374.
 Thyme. See *Thymus caespititius*.
Thymus caespititius, 238717.
 capitatus, 241947.
Thysanolaena maxima, 238866.
Tibouchina sp., 241830.
Tilia miqueliana, 237922.
 tomentosa, 238042.
 sp., 238043.
 Timothy. See *Phleum pratense*.
 Alpine. See *P. alpinum*.
 Toad lily. See *Tricyrtis latifolia*.
 hairy. See *T. hirta*.
 speckled. See *T. macropoda*.
- Tobacco. See *Nicotiana* spp.*
 Aztec. See *N. rustica*.
 common. See *N. tabacum*.
 giant. See *N. tomentosa*.
 tree. See *N. glauca*.
Tococa latifolia, 242375.
 Tomato. See *Lycopersicon esculentum*, and (hybrid).
Torreya sp., 237501.
Tournefortia laurifolia, 240596.
Trachospermum asiaticum, 236250.
 jasminoides, 241339, 241360, 241402.
Trachystemon orientalis, 239336.
Tradescantia fluminensis, 243899.
 fusca, 241267.
 Treebine, striped. See *Cissus striata*.
 Tree-tomato. See *Cyphomandra beta-cea*.
 Trefoil. See *Lotus* spp.*
 big. See *L. pedunculatus*.
 birdsfoot. See *L. corniculatus*.
Trevasia palmata, 241165.
Trichachne insularis, 241570.
Trichilia emetica, 242258.
 hirta, 240730.
 sp., 241927.
Trichoceros sp., 242760.
Trichocladus crinitus, 240767.
Tricholaena repens, 238273.
Trichopilia fragrans, 239146.
 sp., 239147.
Trichosporum bracteatum, 241268.
Tricyrtis hirta, 239602.
 latifolia, 239603.
 macropoda, 239604.
Tridactyle bicaudata, 242761.
Tridens muticus, 241079.
Trifolium alexandrinum, 238159, 241475, 241476.
 ambiguum, 238154.
 arvense, 244322.
 balansae, 244677.
 campestre, 238158, 241477.
 clypeatum, 241478.
 desvauxii, 239341.
 diffusum, 238362.
 echinatum, 238363, 238364.
 formosum, 239342.
 fragiferum, 236484, 237924, 237925, 238155, 239961-239967, 243229.
 globosum, 244678.
 hirtum, 239343.
 hybridum, 237138, 237711, 237712.
 incarnatum, 236483.
 isodon, 238365.
 isthmocarpum, 244679.
 lappaceum, 241479, 244323.
 maritimum, 238366.
 medium, 241117.
 meneghinianum, 238156.
 multistriatum, 237562.
 pallidum, 238369, 239890.
 petrisavii, 238368.

Trifolium—Continued

- pratense*, 236455–236459, 236609–236613, 237139, 237170–237172, 237193–237198, 237283–237290, 237517–237521, 237704, 237705, 237713–237716, 237726–237731, 238157, 239693–239701, 239968–239974, 241843.
- purpureum*, 238370, 238371, 241480.
- repens*, 237199–237201, 237291, 237292, 237732–237735, 237926, 239975–239984, 241078, 241460, 243571.
- resupinatum*, 239891–239898, 243228, 244324.
- spumosum*, 241481, 244325.
- squarrosum*, 237563.
- stenophyllum*, 239344.
- striatum*, 238372.
- strictum*, 239345.
- subterraneum*, 239899–239910, 241461.
- sp., 238367, 240414.
- Trigonella brachycarpa*, 244326.
- caerulea*, 244288.
- corniculata*, 244289, 244290.
- foenum-graecum*, 237564, 243230, 244060, 244291.
- monspeliaca*, 244327.
- polycerata*, 239911, 239912, 244328, 244329.
- suavissima*, 241585.
- Trillium smallii*, 239605.
- t Schonoskii*, 239606.
- Triplochiton zambesiacus*, 237336, 242259.
- Tripogandra grandiflora*, 243893.
- Tripsacum laxum*, 238665.
- Tripterygium forrestii*, 242417.
- Triraphis mollis*, 238373.
- Trisetum flavescens*, 237710.
- Triticum* (hybrids), 242428, 243192.
- aestivum*, 236440–236446, 237648–237650, 237651–237661, 238388–238415, 238746, 238747, 239083–239093, 239354, 240080, 240081, 241595–241599, 242498–242515, 242841, 243063–243069, 243190, 243191, 243193, 243632–243789, 244061, 244086, 244338–244340, 244484, 244680.
- dicoccum*, 244341.
- durum*, 237627–237632, 243790–243794, 244342.
- timopheevii*, 243195.
- sp., 243194, 244037, 244343, 244344.
- Trochodendron aralioides*, 237908.
- Tulbaghia violacea*, 238722.
- Turnera diffusa*, 244395.
- Turnip. See *Brassica rapa*.
- Turpinia ternata*, 237909.
- Ulmus* × *hollandica*, 238174.
- wallichiana*, 238195.
- Undetermined, 236464–236466, 236502, 236593, 237504–237506, 237821–237823, 237914, 237915, 237945, 238509, 238851, 239148–239151, 239363, 240048, 240768, 240803, 240892, 241025, 241087, 241088,

Undetermined—Continued

- 241131, 241269, 241317, 241318, 241361, 241833–241835, 242542, 242656, 242657, 242682, 242683, 242755–242757, 242764, 242767, 242772, 242774, 242776, 242779, 242785, 242787, 243307, 243332.
- Urena lobata*, 236438, 236439.
- Uvaria* sp., 239663, 240358.
- Vaccinium bracteatum*, 237910.
- caespitosum*, 236976.
- delavayi*, 242255.
- membranaceum*, 236977.
- meridionale*, 237108.
- myrtilloides*, 236978–236982.
- nummularia*, 243283.
- scoparium*, 236983.
- trichophylla*, 243331.
- urceolatum*, 243281, 243282.
- sp., 237911.
- Valeriana tuberosa*, 239271.
- Veitchia joannis*, 236380.
- Vellisia elegans*, 241606.
- Velvetbean. See *Stizolobium aerrimum*.
- Veratrum eschscholtzii*, 236984.
- Verbascum phlomoides*, 243800.
- Verbena tridens*, 242489.
- Vernonia fasciculata*, 243801.
- Veronica arvensis*, 242653.
- baldwinii*, 244689.
- miqueliana*, 239607.
- officinalis*, 242654.
- virginica*, 242655.
- Vetch. See *Vicia* spp.*
- bard. See *V. monantha*.
- bitter. See *V. ervilia*.
- common. See *V. sativa*.
- hairy. See *V. villosa*.
- tiny. See *V. hirsuta*.
- Vetiveria filipes*, 239170, 239171.
- Viburnum atrocyaneum*, 244396, 244397.
- avabukii*, 238044.
- betulifolium*, 244398, 244487–244489.
- bitchiense*, 244399–244401.
- × *bodnantense*, 244485, 244486.
- bracteatum*, 244402.
- brevipes*, 244403.
- buddleifolium*, 244490–244492.
- burejaeticum*, 244496.
- × *burkwoodii*, 244404, 244429, 244430, 244493–244495.
- calvum*, 244442, 244497, 244548.
- × *carlcephalum*, 244405.
- carlesii*, 244498.
- × *chenaultii*, 244499.
- cinnamomifolium*, 244406, 244407, 244500, 244501.
- congestum*, 244408.
- coriaceum*, 244410, 244502.
- cotinifolium*, 244409.
- davidii*, 244411–244414, 244503–244506, 244569.
- dentatum*, 244507–244509, 244535–244537.
- dilatatum*, 244510–244512.
- erosum*, 244415.

Viburnum—Continued

- flavescens*, 244513.
foetens, 244416.
foetidum, 243284, 243285, 244514.
fragrans, 244515.
fragrans var. *nanum*, 244417.
glomeratum, 244516.
hanceanum, 244517.
harryanum, 244418, 244419, 244518.
henryi, 244420, 244519.
hupehense, 244520.
ichangense, 244521, 244522.
japonicum, 241981, 242635, 244421, 244523.
 × *juddii*, 244524, 244525.
lantana, 244422, 244423.
lobophyllum, 244526, 244527.
nervosum, 244426.
nudum, 244529.
odoratissimum, 236251, 244427, 244428, 244530.
opulus, 244531–244533.
parvifolium, 244451.
pauciflorum, 244431, 244534.
plicatum, 244448, 244449, 244452, 244559, 244560.
plicatum f. *mariesii*, 244450.
propinquum, 244432.
 × *rhytidophylloides*, 244541.
rhytidophyllum, 244424, 244435–244437, 244538–244540, 244542–244544.
rigidum, 244438.
sargentii, 244545–244547.
sargentii var. *calvescens*, 244439.
schensianum, 244440, 244441.
setigerum, 244549.
sieboldii, 244550.
sieboldii f. *reticulatum*, 244433, 244434.
stellulatum, 244425, 244528, 244551.
suspensum, 238784, 244443.
tinus, 244444–244447, 244552–244558.
trilobum, 236985–236987, 244561.
utile, 244562, 244563.
veitchii, 244564.
villosum, 244565.
wrightii, 244566.
 sp., 237502, 244453–244460, 244567, 244568, 244570.
Viburnum, fragrant. See *Viburnum carlesii*.
 Hupeh. See *V. hupehense*.
 leatherleaf. See *V. rhytidophyllum*.
 linden. See *V. dilatatum*.
 Manchurian. See *V. burejaeticum*.
 service. See *V. utile*.
 Siebold. See *V. sieboldii*.
 sweet. See *V. odoratissimum*.
 tea. See *V. setigerum*.
 Veitch. See *V. veitchii*.
 woolly. See *V. buddleifolium*.
 Wright. See *V. wrightii*.

- Vicia americana*, 236988, 236989, 241080, 241081.
angustifolia, 244330.
angustifolia var. *segetalis*, 238382, 238383, 239351, 239352.
articulata, 238374.
cornigera, 238375, 239346.
ervilia, 239913–239917.
faba, 237662–237664, 241600, 244062, 244063, 244345.
globosa, 238376.
hirsuta, 239347.
hybrida, 238377.
ludoviciana, 238378.
macrocarpa, 238379.
monantha, 239349, 239918.
narbonensis, 238380.
obscura, 238381, 240416.
oregana, 241082.
sativa, 237565, 239348, 239568, 239569, 239919–239925, 240415.
villosa, 239926.
 sp., 239350, 239927, 242265.
Vigna cylindrica, 239705.
oblongifolia, 240417.
sinensis, 244064–244066, 244571.
verillata, 236616, 238110, 239356, 240335, 241883.
Viguiera sp., 241831, 241832.
Villebrunea pedunculata, 237912.
Vinca major, 239252.
Viola bissetii, 239608.
cornuta, 241030.
eizanensis, 239609.
grypoceras, 239610, 239611.
maximowicziana, 239612.
okuboi, 239613.
rossii, 239614.
sieboldii, 239615.
verecunda, 239616.
yezoensis, 239617.
 Violet. See *Viola* spp.*
Virgilia divaricata, 241583.
oroboides, 237618, 241584.
Visnea mocanera, 240119, 240120.
Vitex glabrata, 240009.
Vitis (hybrids), 237621–237626.
tiliaefolia, 240809.
vinifera, 237512, 237513, 242868. sp., 242376.
Voandzeia subterranea, 238941–238945, 240863–240873, 241982–241998, 242420–242426.
Vohemaria messeri, 240027.
 Walnut, Persian. See *Juglans regia*.
Wasabia tenuis, 239618.
wasabi, 239619.
 Watermelon. See *Citrullus vulgaris*.
 Waternut. See *Eleocharis dulcis*.
 Wattle. See *Acacia pendula*.
 silver. See *A. dealbata*.
 Waxplant. See *Hoya globulosa*.
 Wayfaring-tree. See *Viburnum lantana*.
Wendlandia excerta, 240694.
Wercklea insignis, 236381.

- Wheat. See *Triticum* spp.*
 common. See *T. aestivum*.
 durum. See *T. durum*.
Wikstroemia sp., 237913.
 Wildrice. See *Zizania latifolia*.
 Wildrye. See *Elymus* spp.*
 blue. See *E. glaucus*.
 Canadian. See *E. canadensis*.
Wilkesia gymnoxiphium, 239380.
 Willow. See *Salix* spp.*
Withania aristata, 240047.
 Wood apple. See *Feronia limonia*.
 Wood lily. See *Trillium* spp.*
Woodwardia radicans, 241166.
 Woodwaxen, tall. See *Genista virgata*.
 Yam. See *Dioscorea* spp.*
 lesser. See *D. esculenta*.
Yucca peninsularis, 240511.
periculosa, 240512.
Zanthoxylum sp., 237503.
Zea mays, 236995-237001, 238748-
 238756, 238757, 239032, 239099-
 239117, 239570-239573, 240056-
 240071, 240318-240334, 240769-
 240784, 240804-240808, 244067-
 244069, 244293-244306.
 Zelkova, sawleaf. See *Zelkova serrata*.
Zelkova serrata, 236252-236254, 238599.
Zephyranthes (hybrids), 239006-239018.
citrina, 239005.
texana, 236354.
 Zephyrlily. See *Zephyranthes* spp.*
Zizania latifolia, 244722.
Zizia aptera, 236990.

Plant Inventory No. 166

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., June 1966



PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1958 (NOS. 244733 TO 254694)

CONTENTS

	Page
Inventory.....	1
Index of common and scientific names.....	376

This inventory, No. 166, lists the plant material (Nos. 244733 to 254694) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period January 1 to December 31, 1958. The inventory is a historical record of plant material introduced for Department and other specialists and is not to be considered as a list of plant material for distribution.

EUGENE GRIFFITH¹ and
HOWARD L. HYLAND,
Botanists.

*Plant Industry Station,
Beltsville, Md.*

¹ Resigned from United States Department of Agriculture September 1964.

INVENTORY

244733 to 244751. *COFFEA RACEMOSA* Lour. Rubiaceae. Coffee.

From Portugal. Seeds presented by the Estacao Agronomica Nacional, Oeiras.
Received January 2, 1958.

- 244733. C.I.F.C. 840 (P.F.M. 10).
- 244734. C.I.F.C. 841 (P.F.M. 11).
- 244735. C.I.F.C. 842 (P.F.M. 12).
- 244736. C.I.F.C. 843 (P.F.M. 13).
- 244737. C.I.F.C. 844 (P.F.M. 14).
- 244738. C.I.F.C. 846 (P.F.M. 16).
- 244739. C.I.F.C. 847 (D.M. 10).
- 244740. C.I.F.C. 848 (D.M. 11).
- 244741. C.I.F.C. 852 (P.F.M. 19).
- 244742. C.I.F.C. 853 (P.F.M. 20).
- 244743. C.I.F.C. 854 (P.F.M. 21).
- 244744. C.I.F.C. 854 (P.F.M. 35).
- 244745. C.I.F.C. 855 (P.F.M. 22).
- 244746. C.I.F.C. 856 (P.F.M. 23).
- 244747. C.I.F.C. 859 (P.F.M. 1).
- 244748. C.I.F.C. 861 (P.F.M. 3).
- 244749. C.I.F.C. 863 (P.F.M. 5).
- 244750. C.I.F.C. 875 (D.M. 13). Leaves large.
- 244751. C.I.F.C. — (P.F.M. 2).

244752. *THOTTEA GRANDIFLORA* Rottb. Aristolochiaceae.

From Singapore. Seeds presented by the Singapore Botanical Gardens, Singapore. Received January 3, 1958.

244753 and 244754. *NICOTIANA TABACUM* L. Solanaceae.

Common tobacco.

From Greece. Seeds presented by the United States Operations Mission, Athens.
Received January 3, 1958.

- 244753. 'Basma'.
- 244754. 'Smyrna'.

244755. *STIZOLOBIUM* sp. Fabaceae.

From Thailand. Seeds presented by the United States Operations Mission, Bangkok. Received January 3, 1958.

244756. *LATHYRUS SATIVUS* L. Fabaceae.

Grass peavine.

From Ethiopia. Seeds presented by the Missouri Botanical Garden, St. Louis, Missouri. Received January 3, 1958.

244757 to 244829. HORDEUM sp. Poaceae.

From Japan. Seeds presented by the Laboratory of Genetics, College of Agriculture, Kyoto University, Kyoto. Received January 8, 1958.

244757. No. 5001.	244794. No. 5038.
244758. No. 5002.	244795. No. 5039.
244759. No. 5003.	244796. No. 5040.
244760. No. 5004.	244797. No. 5041.
244761. No. 5005.	244798. No. 5042.
244762. No. 5006.	244799. No. 5043.
244763. No. 5007.	244800. No. 5044.
244764. No. 5008.	244801. No. 5045.
244765. No. 5009.	244802. No. 5046.
244766. No. 5010.	244803. No. 5047.
244767. No. 5011.	244804. No. 5048.
244768. No. 5012.	244805. No. 5049.
244769. No. 5013.	244806. No. 5050.
244770. No. 5014.	244807. No. 5051.
244771. No. 5015.	244808. No. 5052.
244772. No. 5016.	244809. No. 5053.
244773. No. 5017.	244810. No. 5054.
244774. No. 5018.	244811. No. 5055.
244775. No. 5019.	244812. No. 5056.
244776. No. 5020.	244813. No. 5057.
244777. No. 5021.	244814. No. 5058.
244778. No. 5022.	244815. No. 5059.
244779. No. 5023.	244816. No. 5060.
244780. No. 5024.	244817. No. 5061.
244781. No. 5025.	244818. No. 5062.
244782. No. 5026.	244819. No. 5063.
244783. No. 5027.	244820. No. 5064.
244784. No. 5028.	244821. No. 5065.
244785. No. 5029.	244822. No. 5066.
244786. No. 5030.	244823. No. 5068.
244787. No. 5031.	244824. No. 5069.
244788. No. 5032.	244825. No. 5070.
244789. No. 5033.	244826. No. 5071.
244790. No. 5034.	244827. No. 5072.
244791. No. 5035.	244828. No. 5073.
244792. No. 5036.	244829. No. 5075.
244793. No. 5037.	

244830 to 244843.

From Great Britain. Seeds presented by the British Embassy, Washington, D.C. Received January 6, 1958.

244830 to 244838. BRASSICA OLERACEA var. BOTRYTIS L. Brassicaceae.
Broccoli.

244830. 'Alpha'. Early type.

244831. 'Harrison's Q.C.' Early type.

244832. 'Majestic'. Autumn type.

244833. 'Orion'. Autumn type.

244834. 'Primus'. Autumn type.

244835. Six weeks. Early type.

244836. 'Suttons Harbinger'. Early type.

244837. 'Suttons Improved Snowball'. Early type.

244838. 'Trenfields Snow Queen'. Early type.

244839 to 244843. *BRASSICA OLERACEA* var. *GEMMIFERA* DC. Brussel sprouts.

244839. 'Blythe'.

244840. 'Cambridge Special'. A heavy-yielding dwarf type; sprouts small, very solid. Used for quick freezing.

244841. 'Cambridge No. 1'. Early, large sprouts, somewhat loose, pale.

244842. 'Cambridge No. 3'. Midseason, sprouts rather large, quality better than 'Cambridge No. 1'.

244843. 'Cambridge No. 5'. Late variety, sprouts medium size.

244844. *ROSA* (hybrid). Rosaceae.

Rose.

From Great Britain. Plants presented by Fryers Nurseries Ltd., Knutsford, Cheshire, England. Received January 6, 1958.

'Ballerina'.

244845. *CALLIANDRA BREVIPES* Benth. Mimosaceae.

From Brazil. Seeds presented by the Jardim Botânico, Rio de Janeiro. Received January 7, 1958.

244846 to 244850.

From Israel. Seeds presented by the Ministry of Agriculture, Department of Horticulture, Tel Aviv. Received January 7, 1958.

244846. *CITRUS AURANTIFOLIA* (Christm.) Swingle Rutaceae.

Lime.

244847. *CITRUS SINENSIS* (L.) Osbeck

Sweet orange.

'Shamouti'.

244848 to 244850. *PRUNUS AMYGDALUS* Batsch. Amygdalaceae.

Almond.

244848. From Juden Hills.

244849. From Safed Hills.

244850. From Sileh Hills.

244851 and 244852. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Brazil. Seeds presented by the Instituto Agronomico do Sul, Pelotas. Received January 7, 1958.

244851. IAS 8.

244852. IAS 13.

244853 to 244858. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Yugoslavia. Seeds presented by the Brookhaven National Laboratory, Upton, Long Island, New York. Received January 8, 1958.

244853. 'Generosa'.

244854. 'Mara'.

244855. 'Produttore'. S-6.

244856. R-16.

244857. R-37.

244858. 'Vivenza'.

244859 to 244868. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

From Cuba. Seeds presented by the Estacion Experimental Agronomica, Santiago de Las Vegas. Received January 8, 1958.

244859. 'Cuba 108'.

244864. 2032e.

244860. 'Cuba 195'.

244865. 2040b.

244861. 322-a, b, c, d, e, f.

244866. 2049a.

244862. 689-n-2.

244867. 3017e.

244863. 1127b.

244868. 'Tingo Maria'.

244869 to 244882.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received January 8, 1958.

Localities given are former sources.

244869. *SORGHUM ALMUM* Parodi Poaceae.

No. E.C. 1822. Australia.

244870. *SORGHUM DOCHNA* (Forsk.) Snowden

No. E.C. 7750. Yugoslavia.

244871 and 244872. *SORGHUM HALEPENSE* (L.) Pers.

Johnsongrass.

244871. No. I.W. 396. Coimbatore, India.

244872. No. I.W. 1144A. Palanpur, India.

244873 and 244874. *SORGHUM NITIDUM* (Vahl) Pers.

244873. No. I.W. 1144. Palanpur.

244874. No. I.W. 3653. Palanpur.

244875 to 244878. *SORGHUM SUDANENSE* (Piper) Stapf

Sudangrass.

244875. No. E.C. 1825. Australia.

244876. No. E.C. 7306. Southern Rhodesia.

244877. No. E.C. 7653. Australia.

244878. No. E.C. 7654. Australia.

244879. *SORGHUM* sp.

No. E.C. 7087. Australia.

244880. *SORGHUM* sp.

No. E.C. 7088. Canberra, Australia.

244881. *SORGHUM* sp.

No. E.C. 7089. Australia.

244882. *SORGHUM* sp.

No. S.E.S. 101. Coimbatore, India.

244883 and 244884. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Costa Rica. Seeds presented by the Inter-American Institute of Agriculture, Turrialba. Received January 9, 1958.

244883. 'Medio Cuero'.

244884. 'Villasarchi'.

244885 to 244911.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra City. Received Jan. 9, 1958.

244885. *ALLOTEROPSIS SEMIALATA* (R. Br.) Hitchc. Poaceae. Cockatoo grass.
 244886. *BRACHIARIA MUTICA* (Forsk.) Stapf Poaceae.
 244887. *ERIOCHLOA CREBRA* S. T. Blake Poaceae. Cup grass.
 244888. *ERIOCHLOA PSEUDOACROTRICHA* (Stapf ex Thell.) C. E. Hubb. Cup grass.
 244889. *PANICUM ANTIDOTALE* Retz. Poaceae. Blue panic grass.
 244890. *PANICUM CAPILLIPES* Benth.
 244891. *PANICUM CYMBIFORME* Hughes
 244892. *PANICUM DECOMPOSITUM* R. Br.
 244893. *PANICUM DELICATUM* Hughes
 244894. *PANICUM FULGIDUM* (R. Br.) Hughes
 244895. *PANICUM LARCOMIANUM* Hughes
 244896. *PANICUM MAXIMUM* Jacq. Guineagrass.
 244897. *PANICUM QUEENSLANDICUM* Domin
 244898. *PANICUM SEMINUDUM* Domin
 244899. *PANICUM TRACHYRACHIS* Benth.
 244900. *PANICUM WHITEI* Black
 244901. *PASPALIDIUM CAESPITOSUM* C. E. Hubb. Poaceae.
 244902. *PASPALUM DILATATUM* Poir. Poaceae. Dallis grass.
 244903. *PASPALIDIUM GLOBOIDEUM* (Domin) Hughes Poaceae.
 244904. *PASPALUM ORBICULARE* G. Forst. Poaceae.
 244905. *PENNISETUM BASEDOWII* Summerh. & Hubb. Poaceae.
 244906. *CENCHRUS CILIARIS* L. Buffel grass.
 244907. *PENNISETUM VILLOSUM* R. Br. Feathertop.
 244908. *SACCIOLEPIS INDICA* (L.) Chase Poaceae.
 244909. *SACCIOLEPIS MYOSUROIDES* (R. Br.) Chase
 244910. *UROCHLOA BOLBODES* (Steud.) Stapf Poaceae.
 244911. *UROCHLOA PULLULANS* Stapf

244912 to 244932.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Jan. 9, 1958.

244912. *ABIES CONCOLOR* (Gord.) Hoopes Pinaceae. White fir.
 'Compacta'.
 244913. *ABIES FABRI* (Mast.) Craib. Fir.
 244914. *CEDRUS LIBANII* A. Rich. Pinaceae. Cedar of Lebanon.
 'Nana'.
 244915. *CEDRUS BREVIFOLIA* (Hook. f.) Henry Cyprian cedar.
 244916. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.
 'Humilis'.
 244917. *PICEA BRACHYTYLA* (French.) Pritzel Spruce.
 'Latisquamea'.
 244918. *PICEA PURPUREA* Mast.
 244918. *PICEA PURPUREA* Mast. Spruce.

244919. *PICEA MAXIMOWICZII* Mast. Spruce.
 244920. *PICEA OBOVATA* Ledeb. Siberian spruce.
 244921. *PICEA OMORIKA* (Pancic) Mast. Serbian spruce.
 'Pendula.'
 244922. *PICEA ORIENTALIS* (L.) Link Oriental spruce.
 244923. *PICEA PUNGENS* Engelm. Colorado spruce.
 'Speckii'.
 244924. *PINUS* sp. Pinaceae.
 244925. *PINUS* sp.
 244926. *PINUS CEMBRA* L. Swiss stone pine.
 'Cholorocarpa'.
 244927. *PINUS PUMILA* Regel Japanese stone pine.
 244928 and 244929. *PINUS SYLVESTRIS* L. Scotch pine.
 244928. 'Argentea'.
 244929. 'Beauvronensis'.
 244930. *PINUS* sp.
 244931 and 244932. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Pinaceae.
 Douglas-fir.
 244931. 'Brevifolia'.
 244932. 'Glauca Fletcheri'.
 244933 to 244937. *SACCHARUM* (hybrids). Poaceae. Sugarcane.
 From China. Cuttings presented by the Taiwan Sugar Experiment Station,
 Tainan, Taiwan. Received January 10, 1958.
 244933. F. 137.
 244934. F. 138.
 244935. F. 139.
 244936. F. 140.
 244937. P.T. 48-40.
 244938 and 244939. *SCHIZOSTYLIS* (hybrids). Iridaceae.
 From Great Britain. Plants presented by P. M. Vandertang, l'Islet, Guernsey,
 England. Received Jan. 13, 1958.
 244938. 'Lady Byng'.
 244939. 'Mrs. Hegarty'.
 244940. *LEUCAENA* sp. Mimosaceae.
 From the United States. Seed presented by the Southwestern Arboretum, Superior, Arizona. Received January 13, 1958.
 A seedling selected for its unusual rapid growth.
 244941 to 244955.
 From the United States. Cuttings collected in Louisiana by J. L. Creech, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received January 13, 1958.
 244941 and 244942. *CUPHEA HYSSOPIFOLIA* H.B.K. Lythraceae.
 244941. Col. No. 815. Southwestern Louisiana Institute. Plant small, evergreen; leaves linear, whorled; flowers white.
 244942. Col. No. 816. Southwestern Louisiana Institute. Plant small, evergreen; leaves linear, whorled; flowers white.

244943 to 244955. *E. A. McIlhenny Estate, Avery Island.*

244943 and 244944. *EURYA JAPONICA* Thunb. Theaceae.

244943. Col. No. 801. Leaves dark green, ovate-lanceolate; good habit.

244944. Col. No. 802. Evergreen shrub to 6 feet high; form good; leaves large.

244945. *EURYA NITIDA* Korth.

Col. No. 806. Unusual shrub; leaves evergreen, narrow, lanceolate.

244946 to 244952. *ILEX CORNUTA* Lindl. & Paxt. Aquifoliaceae.

Chinese holly.

244946. Col. No. 808. Female section.

244947. Col. No. 809. Female section.

244948. Col. No. 810. Dark green foliage type with translucent margin.

244949. Col. No. 811. Female.

244950. Col. No. 812. Yellow fruited form.

244951. Col. No. 813. Female; leaves, one-spined; margin translucent.

244952. Col. No. 814. Female; leaf narrow.

244953. *ILEX OPACA* Ait.

American holly.

Col. No. 807. Tree to 15 feet high; leaves with occasional spines; fruits red, 2 to 3 per cluster on current wood.

244954. *PITTOSPORUM GLABRATUM* Lindl. Pittosporaceae.

Col. No. 804. Evergreen tree to 10 feet high; leaves twisted.

244955. *CLEYERA JAPONICA* Thunb. Theaceae.

Col. No. 803. Evergreen shrub to 4 feet high; leaves alternate; twig tips and petioles reddish; fruit black.

244956 and 244957. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

From Guatemala. Seeds presented by the Servicio Cooperativo Inter-Americano de Agricultura, Guatemala City. Received January 13, 1958.

Selections based upon yield and relative resistance to late blight from material from Turrialba, Costa Rica.

244956. Selec. 5424-11-3-2.

244957. Selec. 5424-11-4-2.

244958 to 244963. *COFFEA ARABICA* L. Rubiaceae. Arabian coffee.

From Puerto Rico. Seeds presented by the Estacion Experimental Agricola, Castaner. Received January 14, 1958.

Formerly from the Institute of Agronomy, Campinas, Sao Paulo, Brazil.

244958. 'Amarelo Botucatu'.

244961. 'Maragogipe A.D.'.

244959. 'Boubbon Amarelo'.

244962. 'Maragogipe Amarelo'.

244960. 'Caturra Amarelo'.

244963. 'Mundo Novo'.

244964 to 244968.

From Spain. Scions presented by the University of California, Riverside, California. Received January 14, 1958.

Collected at Orihuela near Alicante.

244964. *CITRUS NOBILIS* Lour. Rutaceae.

King orange.

'Mandarin'.

244965 to 244968. *CITRUS SINENSIS* (L.) Osbeck.

Sweet orange.

244965. 'Blanca Macetera de Orihuela'.

244966. 'Cadenara Sin Hueso de Orihuela'.

244967. 'Saguina Corriente de Orihuela'.

244968. 'Verna de Orihuela'.

244969 to 244973. VOANDZEIA SUBTERRANEA (L.) Thouars. Fabaceae.

From Nyasaland. Seed presented by the Provincial Agricultural Officer, Blantyre. Received December 4, 1957. Numbered in 1958.

244969. Seeds black.

244972. Seeds red.

244970. No. 1. Seeds brown.

244973. Seeds white.

244971. No. 2. Seeds brown.

244974 to 244981.

From the United States. Plant growing at the Plant Introduction Station, Coconut Grove, Florida. Numbered January 15, 1958.

244974. *ARDISIA LANCEOLATA* Roxb. Myrsinaceae.

Originally from the Singapore Botanic Garden.

244975. *COPERNICIA* × *VESPERTILIONUM* Leon. Phoenicaceae.

Palm.

(*C. excelsa* × *C. rigida*). Presented by Dr. B. E. Dahlgren, Chicago Natural History Museum, Chicago, Ill. Collected at Playa de Santa Lucia, Camaguey, Cuba.

244976 and 244977. Originally from Northern Rhodesia.

244976. *DICHRSTACHYS GLOMERATA* (Forsk.) Chiov. Mimosaceae.

244977. *ERYTHROPHLOEUM GUINEENSE* Don. Caesalpiniaceae.

244978 to 244981. Received from Daniel J. McSwiney, Fort Lauderdale, Fla.

244978. *ONCoba ECHINATA* Oliver. Flacourtiaceae.

244979. *PITCAIRNIA* sp. Bromeliaceae.

244980. *SPATHIPHYLLUM COCHLEARISPATHUM* Engl. Araceae.

244981. *TIGRIDIA* sp. Iridaceae.

244982 and 244983. (Undetermined.) Poaceae.

From Thailand. Stolons presented by the Department of Agriculture, Bangkok. Received January 15, 1958.

244982. A. 'Ya-kon'. Most prevalent grass in the Bangkok area.

244983. B. 'Ya-Plong-Hiu'.

244984. CITRUS ASSAMENSIS Dutta & Bhatt. Rutaceae.

From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received January 15, 1958.

I.C. 4763. Grown at Assam.

244985. ACER sp. Aceraceae.

From Great Britain. Seeds presented by George H. Johnstone, Trewithen, Grampound Road, Cornwall, England. Received January 15, 1958.

USS3, K.Y. No. 162. Formerly from China.

244986 to 245001. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae.

Cabbage.

From Great Britain. Seeds presented by the National Vegetable Research Station, Wellesbourne, England. Received January 15, 1958.

244986. 'Amager Norde Munkegaard III'.

Ohlsens Enke, Denmark.

244987. 'Cambridge Red'.

244988. 'Danish Stonehead Nordre Munkegaard III'.
Ohlsens Enke, Denmark.
244989. 'Daurrot Late'.
Ohlsens Enke, Denmark.
24990. 'Early Danish St. 125'.
Ohlsens Enke, Denmark.
244991. 'Holland Export No. 1'.
A. R. Zwaan, Holland.
244992. 'Holland Export No. 2'.
A. R. Zwaan, Holland.
244993. 'Kissendrup'.
Ohlsens Enke, Denmark.
244994. 'Langendijker Autumn'.
A. R. Zwaan, Holland.
244995. 'Langendijker Early Original'.
A. R. Zwaan, Holland.
244996. 'Langendijk Summer'.
Ohlsens Enke, Denmark.
244997. 'Langendijker Winter Extra'.
A. R. Zwaan, Holland.
244998. 'Mammoth Rock Red'.
Ohlsens Enke, Denmark.
244999. 'Meteor'.
A. R. Zwaan, Holland.
245000. 'Niggerhead'.
Koning & Vlieger, Holland.
245001. 'Utrecht'.
A. R. Zwaan, Holland.
- 245002. *MEDICAGO PUBESCENS* (Edgw.) Sirji. Fabaceae. **Medic.****
From India. Seed presented by the United States Operations Mission, Nepal.
Received January 16, 1958.
Plant to 2½ feet high; basal stem 3/16 inch in diameter; pods straight, to 1 inch long and 1/8 inch wide.
- 245003 and 245004.**
From Mexico. Seeds presented by the Agricultural Attache, United States Embassy, Mexico City. Received January 16, 1958.
- 245003. *DIOSCOREA COMPOSITA* Hemsl. Dioscoreaceae. **Yam.****
No. G 16.
- 245004. *DIOSCOREA SPICULIFLORA* Hemsl. **Yam.****
No. G 18 and G 20 combined (Syntex).
- 245005 to 245008.**
From Uganda. Seeds presented by the Experiment Station, Soroti. Received January 16, 1958.
- 245005 and 245006. *GLYCINE JAVANICA* L. Fabaceae.**
- 245005. 'Kawanda'.**
- 245006. 'Serere'.**

245007 and 245008. *GLYCINE MAX* (L.) Merr.

Soybean.

245007. H. 49.

245008. "Yellow Keleehe'.

245009 to 245023. *BRASSICA OLERACEA* VAR. *CAPITATA* L. Brassicaceae.
Cabbage.

From France. Seeds presented by Vilmorin-Andrieux, Paris. Received January 16, 1958.

All Savoy type except where noted.

245009. 'Autumn Glory'.

245010. 'Blood Red Early'. (Erfurt) Dutch type.

245011. 'Curled Oxheart'.

245012. 'Dark Red Niggerhead'. Dutch type.

245013. 'Dwarf Early Green Curled'.

245014. 'Early Round'. (Solid Ulm).

245015. 'Extra Early Midsummer'.

245016. 'Hardy Winter Drumhead'.

245017. 'Iron Head'.

245018. 'Large Aubervilliers'.

245019. 'Large Red Drumhead'. Dutch type.

245020. 'Large Vertus Drumhead'.

245021. Late March. (Vilmorin).

245022. 'Roi de l'Hiver'.

245023. 'Snow Resisting'. (Vilmorin).

245024 to 245047.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered January 16, 1958.

Presented by the Missouri Botanic Garden, St. Louis, Mo.

245024. *ACER CAPILLIPES* Maxim. ex Miquel Aceraceae.

Maple.

Originally from the Rochester Parks, N.Y. Tree small; bark striped.

245025. *ACER CARPINIFOLIUM* Sieb. & Zucc.

Hornbeam maple.

Originally from Yamagata-gun, Hiroshima Prefecture, Japan. 1953.

245026. *BUXUS SEMPERVIRENS* L. Buxaceae.

Common box.

'Agram'. Chance seedlings from seed collected near Skoplje in the Vardas River Valley, Yugoslavia; originally from the United States. A fastigate form.

245027. *CARPINUS TURCZANINOVII* Hance Betulaceae.

Hornbeam.

From the Kornik Arboretum, Kornik, Poland. Tree symmetrical, deciduous; excellent autumn coloration.

245028. *CORNUS MAS* L. Cornaceae.

Cornelian-cherry

Near Ankara, Turkey, 1953.

245029. *CORNUS URBINIANA* Rose

Dogwood.

Original seeds collected near the border of Tamaulipas and Nueva Leon, Mexico, 1948. Elevation 4,500 ft. Tree or shrub, wild specimens to 50 ft. high; leaves ovate-elliptic to 6 inches long, acuminate, glabrate above, pale beneath and sericeous-strigillose; flower heads pedunculate, bracts white and petallike, oblong or narrowly obovate to 2 inches long; fruit red.

245030. *COTONEASTER RACEMIFLORA* VAR. *NUMMULARIA* (Fisch. & Mey.) Dipp. Malaceae.

From Ankara, Turkey, 1954. Fruit blue; may be hardy and desirable in northern United States areas.

245031 and 245032. FAGUS ORIENTALIS Lipsky. Fagaceae. **Beech.**

245031. Belgrad Forest near Istanbul, Turkey, November 20, 1953.

A geographical variant of the western European beech.

245032. From Duzce, Aksu, Turkey. Elevation 300 feet. 1953.

245033. HAMAMELIS (hybrid). Hamamelidaceae.

(*H. virginiana* × *H. vernalis*.) Flowers clear, deep yellow, middle of January.

245034. HAMAMELIS JAPONICA Sieb. & Zucc. **Japanese witch-hazel.**

Original seed from Toyama Prefecture, Japan, 1956. Wild collection of outstanding color and valuable for further selection of cultivars.

245035. HEDERA HELIX L. Araliaceae. **English ivy.**

'Bulgaria arborescens'. From Riga Monastery, Bulgaria.

245036. JUNIPERUS COMMUNIS L. Pinaceae. **Common juniper.**

Originally from the Chelsea Physic Garden, London, England, 1955.

245037. MAGNOLIA SALICIFOLIA (Sieb. & Zucc.) Maxim. Magnoliaceae. **Anise magnolia.**

From Momyidani Park, Yokyama, Iwakuni, Japan, 1954.

245038. NANDINA DOMESTICA Thunb. Berberidaceae.

A yellow-fruited type; comes true from seed.

245039. PALIURUS SPINA-CHRISTI Mill. Rhamnaceae. **Christ-thorn.**

Near Ankara, Turkey, 1953. Shrub about 12 feet high; branches short, spiny; flowers small, yellow, in masses; fruit winged.

245040. PINUS BUNGEANA Zucc. ex Endl. Pinaceae. **Lacebark pine.**

Original seeds collected in Korea. Tree ornamental; bark white with patchwork pattern caused by the peeling off of the old bark.

245041. PINUS HALEPENSIS var *BRUTIA* Henry **Pine.**

Original seed collected in Transcaucasia, (Azerbaijan, U.S.S.R., 1955. Distributed through the Montreal Botanic Garden, Montreal, Quebec, Canada.

245042. PLATANUS ORIENTALIS L. Platanaceae. **Oriental planetree.**

Seeds collected in Turkey, 1953. A wild form rarely cultivated in the United States.

245043. ROBINIA PSEUDOACACIA L. Fabaceae. **Common locust.**

'Erecta'. Introduced from the nurseries of Vilmorin-Andrieux et Cie, Verrieres, France. Fastigate form.

245044. SINOWILSONIA HENRYI Hemsl. Hamamelidaceae.

From the Royal Botanic Gardens, Kew, Surrey, England, 1953. Tree to 24 feet high; bracts stellate-pubescent; leaves broad-ovate to elliptic, acute or short-acuminate, subcordate to truncate, to 6 inches long, denticulate, with fascicled hairs on both sides while young, later glabrous or nearly so above, pubescent beneath chiefly on the veins; petiole about 0.4 inches long, densely pubescent; staminate catkins to 2 inches long; pistillate racemes 1 inch, in fruit to 6 inches long; calyx tube yellowish tomentulose, about 0.05 inch long, little longer than ovary, later much elongated; sepal 0.09 inch long, with short, weak beak. Native to China. Originally introduced in 1908. Hardy up to New York.

245045. SORBUS AUCUPARIA L. Malaceae. **European mountain-ash.**

Poznan District, Poland. Grown to select a more desirable form of the species for the eastern part of the United States.

245046. *TAXUS BACCATA* L. Taxaceae.

English yew.

Collected near Sofia, Bulgaria, 1934. Tree hardier than most forms from western Europe; branches lateral.

245047. *XANTHOCERAS SORBIFOLIA* Bunge. Sapindaceae.

Originally from China. Garden shrub; leaves pinnate; flowers white, in spring.

245048 to 245057.

From France. Scions presented by Georges Delbard, Quai de la Megisserie, Paris. Received January 16, 1958.

245048 and 245049. *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

245048. 'Belle Fleur Rouge'.

245049. 'Charles Ross'.

245050 to 245053. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

245050. 'Durona di Vignola'.

245051. 'Kutakya'.

245052. 'Reine des Consverves'.

245053. 'Tekirdeg'.

245054 and 245055. *PRUNUS DOMESTICA* L.

Common plum.

245054. 'Hackmann'.

245055. 'Opal'.

245056 and 245057. *PRUNUS* × *GONDOUINII* (Poit. & Turpin) Rehder

Duke cherry.

245056. 'Belle Magnifique'.

245057. 'Belle Magnifique' (Tardive).

245058 to 245084. *ORYZA SATIVA* L. Poaceae.

Rice.

From South Pacific. Seeds presented by an unknown donor. Received January 16, 1958.

245058. Nanton No. 20.

245072. Nanton No. 133.

245059. Nanton No. 40.

245073. Nanton No. 150.

245060. Nanton No. 50.

245074. Nanton No. 151.

245061. Nanton No. 53.

245075. Nanton No. 177.

245062. Nanton No. 54.

245076. Nanton No. 183.

245063. Nanton No. 57.

245077. Nanton No. 188.

245064. Nanton No. 58.

245078. Nanton No. 198.

245065. Nanton No. 71.

245079. Nanton No. 201.

245066. Nanton No. 80.

245080. Nanton No. 211.

245067. Nanton No. 84.

245081. Nanton No. 215.

245068. Nanton No. 85.

245082. Nanton No. 224.

245069. Nanton No. 97.

245083. Nanton No. 244.

245070. Nanton No. 100.

245084. Nanton (Unknown).

245071. Nanton No. 131.

245085. *JUGLANS* sp. Juglandaceae.

From France. Scions presented by G. L. Herman, Domaine de Castang, Bergeral, Dardogne. Received January 17, 1958.

'Corne'.

245086. MAHONIA × WAGNERI (Jouin) Rehder Berberidaceae.

From Great Britain. Plants presented by Hillier & Sons, Winchester, England.
Received January 17, 1958.

245087. SOLANUM MAGLIA Schlecht. Solanaceae.

From Chile. Tubers collected by D. S. Correll, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received January 17, 1958.

Col. No. C-1. 'Papa Sylvestre'. On steep slopes just above the ocean. Plants branched, spreading; flowers white. Tubers orbicular to 4 inches in diameter, purplish-red.

245088 to 245090.

From Chile. Seeds collected by Donovan S. Correll, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received January 20, 1958.

245088 and 245089. Grounds of Ministeria of Agriculture, Santiago.

245088. BRACHYCHITON ACERIFOLIUM F. Muell. Sterculiaceae.

Col. No. C-4. Tall, slender tree; flowers small, tubular, reddish.

245089. PTEROCARYA FRAXINFOLIA (Lam.) Spach. Juglandaceae.

Caucasian wingnut.

Col. No. C-3. Small spreading tree.

245090. LAVATERA ASSURGENTIFLORA Kellogg Malvaceae.

California treemallow.

Col. No. C-2. Along ocean drive between Vina del Mar and Concon.
Globular shrub to 12 feet high; flowers pink-red with darker strips.

245091 to 245104.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra City. Received January 20, 1958.

Place of origin as indicated.

245091 to 245100. HYPARRHENIA HIRTA (L.) Stapf Poaceae.

245091. No. 1.

245092. No. 5.

Ermello, Transvaal, South Africa.

245093. No. 14. Amerspoort, South Africa.

245094. No. 23. Witbank, South Africa.

245095. No. 24. Sterkfontein, South Africa.

245096. No. 26. Dekvrou, South Africa.

245097. No. 28. Athole, South Africa.

245098. No. 44. Between Chania and Kalami, Crete. Hard red soil.

245099. No. 46. Beyond Goernes, Crete. White friable clay.

245100. No. 47. Kakkinos Pargos, Crete. Red soil.

245101 to 245104. BOTHRIUCHLOA ISCHAEMUM (L.) Keng Poaceae.

King's Ranch bluestem.

245101. No. 54. Phillipi, Greece. Undulating terrain at edge of plain.

245102. No. 55. Gazoros, Greece. Replanted eroded land.

245103. No. 58. North East Skopje, Yugoslavia. Upland hills. Elevation 750 feet.

245104. No. 59. Near Titograd, Yugoslavia. Flat valley; soil heavy, red. Elevation 90 feet.

245105. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Iran. Seeds presented by the Agricultural Attache, United States Embassy, Tehran. Received January 30, 1958.

Grown in the Qazvin area in northern Iran. Shatters easily and is not adaptable to machine harvest.

245106. SORGHUM ROXBURGHII Stapf Poaceae.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Jan. 20, 1958.

I. C. 5200. (S-1049). A sweet sorghum that has proved outstanding as a high yielding, early maturing, large grain type; stem fine.

245107. AVENA SATIVA L. Poaceae. Common oats.

From Australia. Seeds presented by the Temora Experiment Farm, New South Wales. Received Jan. 20, 1958.

'Alpha'.

245108. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Australia. Seeds presented by the Department of Agriculture, Sydney. Received Jan. 20, 1958.

'Khapstein W1451'.

245109 and 245110. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Germany. Seeds presented by the Bayerische Landissaatzuchtanstalt, Freising. Received Jan. 20, 1958.

245109. 478/51. ('Noah' × M1) × ('Hope' × 'Newtatch').

245110. 0224/52. ('Erli' × M) × MH.

245111 to 245113. VOANDZEA SUBTERRANEA (L.) Thouars. Fabaceae.

From France. Seeds presented by the Office de la Recherche Scientifique et Technique Outre-Mer, Nogent-Sur-Marne, Seine. Received Dec. 19, 1957. Numbered Jan. 21, 1958.

245111. A 160.

245112. B 133.

245113. C 150.

245114 to 245141.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, New York. Numbered January 21, 1958.

Collected in New Hampshire.

245114 to 245120. PHLEUM PRATENSE L. Poaceae.

Timothy.

245114. G6672. Along old woods road, Pinkham Notch. Plant wild, vigorous, possibly hardy; culms disease free.

245115. G6673. Along old woods road, Pinkham Notch. Plant wild, vigorous, possibly hardy; culms disease free.

245116. G6674. Woods road, Pinkham Notch. Plant wild, vigorous, possibly hardy; culms disease free.

245117. G6678. Old road near Wildcat River, Jackson. Plant wild, possibly hardy and disease resistant; culms disease free.

245118. G6679. Old road, Wildcat River, Jackson. Plant wild, possibly hardy and disease resistant; culms disease free.

245119. G6683. Along edge of cultivated field, Colebrook. Elevation 2,000 feet. May be hardy; culms disease free.

245120. G6687. Old woods road, Milan. Plant wild, hardy and possibly disease resistant; culms disease free.

245121 and 245122. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

245121. G6674. Along woods road in unfavorable shaded area. Pinkham Notch. Plant wild, vigorous, possibly hardy; relatively disease free.

245122. G6686. Along old road in shade; soil poor: Columbia. Plant wild, vigorous, leafy, may be hardy; relatively disease free.

245123 to 245129. *TRIFOLIUM REPENS* L. Whiteclover.

245123. G6675. Woods road in unfavorable shaded area, Pinkham Notch. Plant wild, vigorous, possibly hardy; relatively disease free.

245124. G6677. Old meadow in poorly drained soil, Jackson. Plant cultivated, vigorous, spreading, leafy, possibly hardy and disease resistant.

245125. G6680. Along Route 2, near Jefferson. Plant wild, vigorous, spreading, leafy, hardy and disease free.

245126. G6681. Near Route 2, Jefferson. Plant wild, vigorous, spreading, leafy, hardy and disease free.

245127. G6682. Cultivated field near Colebrook. Elevation 2,000 feet. Plant cultivated, hardy and disease free.

245128. G6684. Old pasture field near Strafford. Plant cultivated, spreading, vigorous, hardy, disease free and adapted to relatively poor drainage.

245129. G6685. Old pasture field near Strafford. Plant cultivated, spreading, vigorous, hardy, disease free and adapted to poor drainage.

245130 to 245138. *ZEA MAYS* L. Poaceae. Corn.

245130 and 245131. Collected in Rhode Island.

245130. 57-16 G5727. 'Rhode Island Sweet'. Grown and interpollinated for 28 years. Stalk slender, suckered, leafy, early maturing; ear small; kernels yellow.

245131. 57-17 G5728. 'Rhode Island Flint'. Grown and interpollinated for many years. Suckered, very leafy; ears low, 2 to 3 medium-sized per stalk; kernels flint; early maturing, ripens by September 9.

245132 to 245138. From the Union of Soviet Socialist Republics Embassy, Ottawa; through the MacDonald College, St. Annes, Quebec, Canada.

245132. 57-19 G2475. 'Motto 1311'. Height 40 inches, medium vigor, stalks slender, genuflect, suckered, very leafy, extremely early, half-silked July 17; ears low, small; kernels brown, flint.

245133. 57-20 G2476. 'Motto 4863'. Height 42 inches; very uniform and better than average vigor: early, half-silked July 17; much suckered, leafy; 2 good, small ears per stalk; kernels flint.

245134. 57-21 G2477. 'Motto 5023'. Height 47 inches; vigor poor; slender reddish stalk, suckered extremely early, half-silked July 15; ears low, small; kernels flint.

245135. 57-22 G2478. 'Burley County 5233'. Height 48 inches; fair vigor, stalks slender, genuflect, reddish, suckered, leafy, extremely early, half-silked July 15; leaves narrow, margin wavy; ears low, slender; kernels flint.

245136. 57-23 G2479. 'Pervenets 5550'. Height 46 inches; vigor poor, stalks slender, reddish, genuflect, suckered, extremely early, half-silked July 12; leaves narrow, slender, droopy; ears low, small, kernels flint.

245137. 57-24 G2480. 'Pervenets 7090'. Height 48 inches; vigor medium; not uniform, stalks slender, genuflect, suckered, early maturing, half-silked July 18; leaves long, narrow, droopy; ears 1 to 2 per stalk; many suckers bear ears.

245138. 57-25 G2481. 'Beloyharve Psheno 7209'. Height 43 inches; vigor poor, stalks slender, genuflect, suckered, very leafy at base, extremely early, half-silked July 14; leaves narrow, drooping, wavy; ears low, small; kernels brown, flint.

241539 to 245141. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

Collected in Switzerland by H. S. Gentry and Harry Schoth, agricultural explorers, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Numbered January 21, 1958.

245139. 57-551 G6062. Small, spreading clover in pasture, Les Verrieres, Switzerland.

245140. 57-556 G6063. Near Goppenstein, Switzerland.

245141. 57-560a G6064a. In wet meadow, North Wattvil, Switzerland.

245142. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. **Squash.**

From the United States. Seeds being held at the Regional Plant Introduction Station, Ames, Iowa. Numbered January 21, 1958.

Fruit oblate, 8 by 10 inches; ribs 1 inch wide; flesh light yellow.

Selection made from P.I. No. 176536, *C. pepo* from Turkey.

245143 to 245145. *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

From Spain. Scions presented by the Estacion Pomologica, Villaviciosa de Cordoba. Received January 21, 1958.

245143. 'Panera'.

245144. 'Reineta Emarnada'.

245145. 'Torena'.

245146. *CITRUS AURANTIFOLIA* (Christm.) Swingle Rutaceae.

Lime.

From Morocco. Seeds presented by the Institut Francais de Recherches Fruitieres Outre-Mer, Rabat. Received January 21, 1958.

'Tunis Sweet'.

245147. *CITRUS SINENSIS* (L.) Osbeck Rutaceae. **Sweet orange.**

From Spain. Budwood presented by J. W. Lesley, Hotel Marquez, Sevilla. Received January 21, 1958.

'Cadenera de Arimon'.

245148 and 245149. *COFFEA ARABICA* L. Rubiaceae. **Arabian coffee.**

From Kenya. Seeds presented by the Department of Agriculture, Coffee Research Station, Ruiru. Received January 23, 1958.

245148. SL-28.

245149. SL-34.

245150. *ALLIUM CEPA* L. Liliaceae.

Onion.

From Italy. Seeds presented by Consorzio Agrario Provinciale, Trapani, Rome. Received January 22, 1958.

'Italian Red'.

245151 to 245154.

From Liberia. Seeds presented by the United States Operations Mission, Suakoko Station, Monrovia. Received February 26, 1958.

245151. *COFFEA CANEPHORA* Pierre ex Froehn. Rubiaceae. **Robusta coffee.**

Selection made at the Institut National pour l'Etude Agronomique, du Congo Belge Recherches Station, Yangambi.

245152 to 245154. *COFFEA LIBERICA* Bull ex Hiern.

Liberian coffee.

245152. 'Rennie No. 4'.

245153. 'Rennie No. 5'.

245154. 'Tolbert No. 1'.

245155 to 245313.

From Great Britain. Plants presented by Dr. D. R. Egolf, Royal Botanical Gardens, Edinburgh, Scotland. Received December 9, 1957. Numbered February 26, 1958.

245155. *VIBURNUM ATROCYANEUM* C. B. Clarke Caprifoliaceae. E. No. 1337-612.

245156 to 245169. *VIBURNUM BETULIFOLIUM* Batal.

245156. E. No. 1338-344.

245164. E. No. 1348-553.

245157. E. No. 1339-345.

245165. E. No. 1349-562.

245158. E. No. 1341-386.

245166. E. No. 1350-563.

245159. E. No. 1342-404.

245167. E. No. 1572-403.

245160. E. No. 1344-444.

245168. E. No. 1573-634.

245161. E. No. 1345-445.

245169. E. No. 1351-564.

245162. E. No. 1346-488.

'Aurantiacum'.

245163. E. No. 1347-529.

245170 and 245171. *VIBURNUM BITCHIUENSE* Makino

245170. E. No. 1353-336.

245171. E. No. 1354-460.

245172 and 245173. *VIBURNUM* × *BODNANTENSE* Aberc.

(*V. fragrans* × *V. grandiflorum*.)

245172. E. No. 1357-457.

245173. E. No. 1588-658. 'Charles Lamonti'.

245174 and 245175. *VIBURNUM BUREJAETICUM* Regel & Herd.

Manchurian viburnum.

245174. E. No. 1361-512.

245175. E. No. 1362-601.

245176 and 245177. *VIBURNUM* × *BURKWOODII* Burkw. & Shipw.

(*V. carlesii* × *V. utile*.)

245176. E. No. 1363-394.

245177. E. No. 1364-395.

245178. *VIBURNUM BUDDLEIFOLIUM* C. H. Wright

Woolly viburnum.

E. No. 1360-431.

245179 and 245180. *VIBURNUM CARLESII* Hemsl.

Fragrant viburnum.

245179. E. No. 1366-329.

245180. E. No. 1367-453.

245181. *VIBURNUM* × *CHENAULTII* Chen.

E. No. 1371-465.

245182 to 245184. *VIBURNUM CINNAMOMIFOLIUM* Rehder

245182. E. No. 1372-355.

245183. E. No. 1373-423.

245184. E. No. 1374-379.

245185 to 245187. *VIBURNUM COTINIFOLIUM* D. Don

245185. E. No. 1381-487.

245186. E. No. 1382-567.

245187. E. No. 1383-591.

- 245188 and 245189. *VIBURNUM CYLINDRICUM* Blume
245188. E. No. 1384-424.
245189. E. No. 1385-593.
- 245190 to 245192. *VIBURNUM DASYANTHUM* Rehder
245190. E. No. 1386-475.
245191. E. No. 1387-550.
245192. E. No. 1389-556.
- 245193 to 245195. *VIBURNUM DAVIDII* Franch.
245193. E. No. 1390-609.
245194. E. No. 1392-532.
245195. E. No. 1393-605.
- 245196 and 245197. *VIBURNUM DILATATUM* Thunb. Linden viburnum.
245196. E. No. 1394-390.
245197. E. No. 1397-334. 'Xanthocarpum'.
245198. *VIBURNUM EROSUM* Thunb.
E. No. 1399-611.
245199. *VIBURNUM EROSUM* var. *TAQUETII* (Levl.) Rehder
E. No. 1400-572.
- 245200 to 245202. *VIBURNUM ERUBESCENS* Wall.
245200. E. No. 1403-353.
245201. E. No. 1404-446.
245202. E. No. 1575-406.
- 245203 and 245204. *VIBURNUM FLAVESCENS* W. W. Smith
245203. E. No. 1406-387.
245204. E. No. 1407-570.
- 245205 to 245208. *VIBURNUM FOETIDUM* Wall.
245205. E. No. 1629.
245206. E. No. 1409-603. (Korean form.)
245207. E. No. 1410-365.
245208. E. No. 1411-435.
- 245209 to 245215. *VIBURNUM FRAGRANS* Bunge
245209. E. No. 1414-319.
245210. E. No. 1415-321.
245211. E. No. 1417-349.
245212. E. No. 1418-360.
245213. E. No. 1420-582. 'Alba'.
245214. E. No. 1421-335. 'Nanum'.
245215. E. No. 1422-361. 'Roseum'.
- 245216 to 245218. *VIBURNUM GRANDIFLORUM* Wall.
245216. E. No. 1430-625.
245217. E. No. 1576-635.
245218. E. No. 1630.
245219. *VIBURNUM HARRYANUM* Rehder
E. No. 1432-427.

245220 to 245226. *VIBURNUM HENRYI* Hemsl.

245220. E. No. 1434-308.

245221. E. No. 1435-352.

245222. E. No. 1436-356.

245223. E. No. 1437-366.

245224. E. No. 1438-369.

245225. E. No. 1439-371.

245226. E. No. 1441-519.

245227. *VIBURNUM* × *HILLIERI* SternE. No. 1442-416. (*V. erubescense* × *V. henryi*.)245228. *VIBURNUM HUPEHENSE* Rehder

E. No. 1443-376. (Egolf's list 1443-370.)

Hupeh viburnum.

245229 to 245231. *VIBURNUM ICHANGENSE* (Hemsl.) Rehder

245229. E. No. 1448-396.

245230. E. No. 1449-565.

245231. E. No. 1450-615.

245232. *VIBURNUM JAPONICUM* (Thunb.) Spreng.

E. No. 1451-375.

245233 to 245235. *VIBURNUM KANSUENSE* Batal.

245233. E. No. 1353-401.

245234. E. No. 1454-402.

245235. E. No. 1455-636.

245236 to 245239. *VIBURNUM LANTANA* L.

245236. E. No. 1465-303.

245237. E. No. 1466-466.

245238. E. No. 1467-479.

245239. E. No. 1470-548.

Wayfaring-tree.

245240. *VIBURNUM* sp.

E. No. 1471-521.

245241 to 245243. *VIBURNUM LOBOPHYLLUM* Graebn.

245241. E. No. 1472-419.

245242. E. No. 1437-430.

245243. E. No. 1475-560. 'Flocculosum'.

245244. *VIBURNUM MOLLE* Michx.

E. No. 1478-539.

245245. *VIBURNUM MONGOLICUM* (Pall.) Rehder

E. No. 1480-471.

245246. *VIBURNUM NUDUM* L.

E. No. 1481-514.

245247. *VIBURNUM ODORATISSIMUM* Ker

E. No. 1482-305.

Sweet viburnum.

245248 to 245251. *VIBURNUM OPULUS* L.

245248. E. No. 1483-547. 'Aureum'.

245249. E. No. 1485-363. 'Compactum'.

245250. E. No. 1487-462. 'Nanum'.

245251. E. No. 1484-606. 'Xanthocarpum'.

European cranberrybush.

245252. *VIBURNUM* sp.

E. No. 1489-388.

245253. *VIBURNUM PAUCIFLORUM* Raf.

E. No. 1490-373.

245254 to 245258. *VIBURNUM PLICATUM* Thunb.

Japanese snowball.

245254. E. No. 1492-577.

245255. E. No. 1527-508. 'Rowallane'.

245256. E. No. 1568-506. 'Rowallane'.

245257. E. No. 1495-342. 'Tomentosum'.

245258. E. No. 1496-348. 'Tomentosum'.

245259. *VIBURNUM PROPINQUUM* Hemsl.

E. No. 1498-411. 'Lanceolatum'.

245260. *VIBURNUM* × *RHYTIDOPHYLLOIDES* SuringerE. No. 1500-458. (*V. lantana* × *V. rhytidophyllum*).245261 to 245266. *VIBURNUM RHYTIDOPHYLLUM* Hemsl.

Leatherleaf viburnum.

245261. E. No. 1501-327.

245265. E. No. 1505-566.

245262. E. No. 1502-328.

245266. E. No. 1506-354.

245263. E. No. 1503-384.

'Roseum'.

245264. E. No. 1504-432.

245267 and 245268. *VIBURNUM SARGENTII* Koehne

Sargent cranberrybush.

245267. E. No. 1508-325.

245268. E. No. 1509-620.

245269. *VIBURNUM SCHENSIANUM* Maxim.

E. No. 1510-482.

245270 and 245271. *VIBURNUM SIEBOLDII* Miquel

Siebold viburnum.

245270. E. No. 1511-377.

245271. E. No. 1512-545.

245272. *VIBURNUM STELLULATUM* Wall. ex DC.

E. No. 1515-590.

245273 to 245277. *VIBURNUM TINUS* L.

Laurustinus.

245273. E. No. 1567-504.

245276. E. No. 1516-350.

245274. E. No. 1582-351.

'Lucidum'.

245275. E. No. 1583-413.

245277. E. No. 1517-362.

'Roseum'.

245278 to 245281. *VIBURNUM PLICATUM* Thunb.

Japanese snowball.

245278. E. No. 1518-515.

245280. E. No. 1520-533.

245279. E. No. 1519-322.

245281. E. No. 1521-585.

245282 to 245284. *VIBURNUM UTILE* Hemsl.

Service viburnum.

245282. E. No. 1528-358.

245283. E. No. 1529-385.

245284. E. No. 1530-575.

245285 to 245288. *VIBURNUM VEITCHI* C. H. Wright

Veitch viburnum.

245285. E. No. 1557-436.

245287. E. No. 1560-516.

245286. E. No. 1559-490.

245288. E. No. 1561-555.

245289 and 245290. *VIBURNUM* × *VETTERI* Zabel(*V. lentago* × *V. nudum*.)

245289. E. No. 1556-307.

245290. E. No. 1556-380.

245291 and 245292. *VIBURNUM WRIGHTII* Miquel

Wright viburnum.

245291. E. No. 1563-367.

245292. E. No. 1565-610.

245293. *VIBURNUM* (hybrid).

E. No. 1334-392.

245294 to 245313. *VIBURNUM* sp.

245294. E. No. 1331-623.

245304. E. No. 1544-531.

245295. E. No. 1431-478.

245305. E. No. 1545-569.

245296. E. No. 1444-468.

245306. E. No. 1549-592.

245297. E. No. 1532-381.

245307. E. No. 1550-595.

245298. E. No. 1536-414.

245308. E. No. 1552-604.

245299. E. No. 1537-425.

245309. E. No. 1554-621.

245300. E. No. 1538-429.

245310. E. No. 1574-574.

245301. E. No. 1540-459.

245311. E. No. 1584-594.

245302. E. No. 1542-486.

245312. E. No. 1587-659.

245303. E. No. 1543-523.

245313. Unnumbered.

245314 to 245321. *SOLANUM* (hybrids). Solanaceae.

From Chile. Tubers collected by Donovan S. Correll, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Jan. 24, 1958.

245314 to 245318. Market, Cauquenes, Maule Province.

245314. Col. No. C. 5. 'Papa Negro o Cirilo'. Tubers purple; eyes deep; flowers yellow-white; grown without irrigation.

245315. Col. No. 6. 'Papa Corahila o Reina'. Drought resistant; tubers ellipsoid, pink-red; eyes shallow; flesh white.

245316. Col. No. C. 7. 'Papa Cirila'. Drought resistant; tubers pinkish-purple; flesh white.

245317. Col. No. C. 8. 'Papa Blanca de Cauquenes'. Tubers white; eyes shallow; flesh white.

245318. Col. No. C. 9. 'Papa Reina Redonda'. Drought resistant; tubers deep pink; eyes rather shallow.

245319. Col. No. C. 10. 'Papa de Curanipe'. Obtained from a native at Curanipe, Maule Province.

245320. Col. No. C. 11. 'Papa Cazuela'. Farmer at Chanco, Maule Province. Tubers reddish-purple.

245321. Col. No. C. 12. 'Papa Cazuela.' Farmer at Chanco, Maule Province. Tubers reddish purple; eyes deep.

245322 and 245323. *CITRUS* (hybrids). Rutaceae.

From Puerto Rico. Cuttings presented by the Agricultural Extension Service, University of Puerto Rico, Rio Piedras. Received Jan. 24, 1958.

(*C. sinensis* × *C. paradisi*.) Fruit large; peels easily; few seeds; pulp juicy, sweet, not bitter.

245322. 'Chironja B-1'.

245323. 'Chironja B-F'.

245324. *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

From Great Britain. Trees presented by East Malling Research Station, Maidstone, Kent, England. Received Jan. 24, 1958.

'Sir Isaac Newton'.

245325. LUPINUS ANGUSTIFOLIUS L. Fabaceae. Blue lupine.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Jan. 24, 1958.

I. 22.417.

245326 and 245327.

From the United States. Seeds presented by L. R. Lowrey, Houston, Texas. Received Jan. 24, 1958.

245326. RHUS LANCEOLATA (Gray) Britton Anacardiaceae. Sumac.

Collected at Wimberley.

245327. SABAL LOUISIANA (Darby) Bonhard Phoenicaceae. Palmetto.

Collected at Frenier Beach, Lake Pontchartrain, Louisiana.

245328 to 245330. PISTACIA VERA L. Anacardiaceae. Common pistachio.

From Iran. Cuttings presented by the United States Operations Mission, Tehran. Received Jan. 27, 1958.

245328. 'Moomtaz'. Nuts small; shells dark.

245329. 'Owhadi'. Plant flowers late; regular bearer; nuts in large clusters; ripen mostly at one time, split well, good quality; hull to one inch long, pinkish, with numerous dark spots.

245330. 'Safeed'. Nuts elongated, free-splitting, slightly variable in shape.

245331 and 245332.

From China. Seeds presented by the Plant Industry Division, Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received Jan. 31, 1958.

245331. GLYCINE FORMOSANA Hosokawa Fabaceae.

245332. GLYCINE TOMENTELLA Hayata.

245333 to 245344.

From Great Britain. Plants presented by Bozenham Gardens, Ashton, Northampton, England. Received Jan. 29, 1958.

245333 and 245334. CHAMAECYPARIS PISIFERA (Sieb. & Zucc.) Endl. Pinaceae. Sawara retinospora.

245333. 'Plumosa Cyanea Viridis'.

245334. 'Plumosa Nana Compacta'.

245335. CRYPTOMERIA JAPONICA (L.f.) D. Don. Pinaceae. Common cryptomeria.

'Pygmaea'.

245336 and 245337. JUNIPERUS COMMUNIS var. DEPRESSA Pursh. Pinaceae. Juniper.

245336. Typical form.

245337. 'Aurea'.

245338. JUNIPERUS sp.

245339. JUNIPERUS COMMUNIS L. Common juniper.

'Stricta'.

245340. JUNIPERUS RECURVA Buch.-Ham. Himalayan juniper.

254341 and 254342. JUNIPERUS (hybrids). Juniper.

245341. 'Expansa Nana'.

254342. 'Bonin Isles'.

245343. TEUCRIUM SUBSPINOSUM Pourr. Menthaceae.

245344. *THUJA PLICATA* D. Don Pinaceae.

Giant arborvitae.

'Rogersii'.

245345 to 245351. *EUPHORBIA PULCHERRIMA* Willd. Euphorbiaceae.
Common poinsettia.

From Mexico. Cuttings collected by E. P. Imle, Collaborator, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received January 30, 1958.

245345 to 245348. Tuxpan, Michoacan, Rancho la Catarina.

245345. Col. No. 68. Plant vigorous; bracts pinkish, scattered along stem. A variant that appeared in a planting of the red-bracted type.

245346. Col. No. 69. Plant has red and pink bracts with pink and yellow striations.

245347. Col. No. 70. Bracts yellow and pink. Possibly a variant from the red-bracted type.

245348. Col. No. 71. Plant with yellow bracts, pink striation; outstanding.

245349 to 245351. Zitacuaro, Michoacan. On highway to Guadalajara near Rancho la Carolina.

245349. Col. No. 72. Plant vigorous; heads large; bracts a beautiful pure yellow.

245350. Col. No. 73. Single plant collection; wild.

245351. Col. No. 74. Plant vigorous; bracts double, deep red, persistent; sets few or no seeds, cultivated.

245352 to 245354. *ORYZA SATIVA* L. Poaceae. Rice.

From Cuba. Seeds presented by the Lone Star Farms Corporation, Cienfuegos. Received January 31, 1958.

245352. No. 45B.

245353. No. 47.

245354. No. 48.

245355 to 245365.

From Australia. Seeds presented by George Althofer, Dripstone, New South Wales. Received January 31, 1958.

245355. *CALLISTEMON PINIFOLIUS* DC. Myrtaceae.

Bottlebrush.

245356. *CALOTHAMNUS VILLISUS* R. Br. Myrtaceae.245357. *MELALEUCA CRASSIFOLIA* Benth. Myrtaceae.245358. *MELALEUCA ERICIFOLIA* J. E. Em.245359. *MELALEUCA HAMULOSA* Turcz.245360. *MELALEUCA INCANA* R. Br.245361. *MELALEUCA MEGACEPHALA* F. Muell.245362. *MELALEUCA STEEDMANII* C. A. Gardn.245363. *MELALEUCA SUBTRIGONA* Schau.245364. *MELALEUCA TERETIFOLIA* Endl.245365. *MELALEUCA WILSONII* F. Muell.245366. *FAGOPYRUM ESCULENTUM* Moench Polygonaceae.

Buckwheat.

From Guatemala. Seeds presented by the Division of Agriculture and Food Chemistry, Nutritional Institute of Central America, Guatemala City. Received, January 31, 1958.

Originally from El Salvador.

245367. LUPINUS ALBUS L. Fabaceae. White lupine.

From Brazil. Seeds presented by the Divisao de Experimentacao e Fomento Agricola, State of Parana-Curitiba. Received January 31, 1958.

I 22.454. Collected in Irata, State of Parana.

245368. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Guatemala. Seeds presented by Servicio Cooperativo Inter-Americano de Agricultura, La Aurora. Received Jan. 28, 1958.

'Criollo Santa Irene'.

245369. EUCALYPTUS DEGLUPTA Blume Myrtaceae. Gumtree.

From the United States. Plants growing at the United States Plant Introduction Station, Chico, California. Numbered Feb. 3, 1958.

Originally from Maui, Territory of Hawaii. This species cold sensitive.

245370 to 245375.

From India. Seeds presented by the International Cooperation Administration, New Delhi. Received Feb. 3, 1958.

From Desert Reforestation and Soil Conservation Station, Jodhpur.

245370. CENCHRUS SETIGERUS Vahl Poaceae. Sandbur.**245371. ELEUSINE FLAGELLIFERA Nees Poaceae.****245372. ELYONURUS HIRSUTUS (Cahl) Munro Poaceae.****245373. PANICUM TURGIDUM Forsk. Poaceae.****245374 to 245375. CENCHRUS CILIARIS L. Poaceae. Buffelgrass.**

245374. 'White'.

245375. Common type.

245376 to 245666.

From Japan. Seeds presented by the National Institute of Genetics, Misima, Sizuaka-ken. Received Feb. 4, 1958.

From a 1955 expedition to the Hindu Kush Mountains, Afghanistan.

245376 to 245640. TRITICUM AESTIVUM L. Poaceae. Common wheat.

245376. No. 3003.	245393. No. 3063.	245410. No. 3101.
245377. No. 3007.	245394. No. 3064.	245411. No. 3107.
245378. No. 3010.	245395. No. 3068.	245412. No. 3109.
245379. No. 3013.	245396. No. 3069.	245413. No. 3112.
245380. No. 3017.	245397. No. 3075.	245414. No. 3114.
245381. No. 3028.	245398. No. 3076.	245415. No. 3117.
245382. No. 3035.	245399. No. 3083.	245416. No. 3123.
245383. No. 3036.	245400. No. 3084.	245417. No. 3124.
245384. No. 3050.	245401. No. 3085.	245418. No. 3125.
245385. No. 3052.	245402. No. 3086.	245419. No. 3126.
245386. No. 3056.	245403. No. 3087.	245420. No. 3127.
245387. No. 3057.	245404. No. 3088.	245421. No. 3128.
245388. No. 3058.	245405. No. 3089.	245422. No. 3129.
245389. No. 3059.	245406. No. 3091.	245423. No. 3131.
245390. No. 3060.	245407. No. 3092.	245424. No. 3139.
245391. No. 3061.	245408. No. 3096.	245425. No. 3143.
245392. No. 3062.	245409. No. 3097.	245426. No. 3148.

245427. No. 3149.	245471. No. 3314.	245515. No. 3347.
245428. No. 3151.	245472. No. 3221.	245516. No. 3348.
245429. No. 3152.	245473. No. 3223.	245517. No. 3353.
245430. No. 3153.	245474. No. 3224.	245518. No. 3354.
245431. No. 3157.	245475. No. 3225.	245519. No. 3356.
245432. No. 3158.	245476. No. 3226.	245520. No. 3361.
245433. No. 3159.	245477. No. 3230.	245521. No. 3365.
245434. No. 3160.	245478. No. 3231.	245522. No. 3368.
245435. No. 3161.	245479. No. 3234.	245523. No. 3369.
245436. No. 3162.	245480. No. 3235.	245524. No. 3370.
245437. No. 3163.	245481. No. 3237.	245525. No. k3005.
245438. No. 3165.	245482. No. 3238.	245526. No. k3009.
245439. No. 3166.	245483. No. 3241.	245527. No. k3011.
245440. No. 3167.	245484. No. 3242.	245528. No. k3012.
245441. No. 3169.	245485. No. 3243.	245529. No. k3015.
245442. No. 3170.	245486. No. 3245.	245530. No. k3016.
245443. No. 3171.	245487. No. 3248.	245531. No. k3017.
245444. No. 3172.	245488. No. 3253.	245532. No. k3018.
245445. No. 3174.	245489. No. 3254.	245533. No. k3023.
245446. No. 3175.	245490. No. 3272.	245534. No. k3025.
245447. No. 3177.	245491. No. 3273.	245535. No. k3026.
245448. No. 3178.	245492. No. 3290.	245536. No. k3027.
245449. No. 3179.	245493. No. 3292.	245537. No. k3030.
245450. No. 3181.	245494. No. 3293.	245538. No. k3038.
245451. No. 3182.	245495. No. 3294.	245539. No. k3041.
245452. No. 3183.	245496. No. 3302.	245540. No. k3042.
245453. No. 3184.	245497. No. 3303.	245541. No. k3044.
245454. No. 3186.	245498. No. 3307.	245542. No. k3047.
245455. No. 3187.	245499. No. 3308.	245543. No. k3048.
245456. No. 3189.	245500. No. 3311.	245544. No. k3049.
245457. No. 3190.	245501. No. 3314.	245545. No. k3050.
245458. No. 3191.	245502. No. 3316.	245546. No. k3051.
245459. No. 3194.	245503. No. 3317.	245547. No. k3060.
245460. No. 3195.	245504. No. 3321.	245548. No. k3064.
245461. No. 3200.	245505. No. 3322.	245549. No. k3067.
245462. No. 3204.	245506. No. 3324.	245550. No. k3068.
245463. No. 3205.	245507. No. 3325.	245551. No. k3069.
245464. No. 3211.	245508. No. 3327.	245552. No. k3070.
245465. No. 3212.	245509. No. 3328.	245553. No. k3074.
245466. No. 3214.	245510. No. 3329.	245554. No. k3075.
245467. No. 3216.	245511. No. 3337.	245555. No. k3076.
245468. No. 3217.	245512. No. 3338.	245556. No. k3077.
245469. No. 3218.	245513. No. 3340.	245557. No. k3079.
245470. No. 3219.	245514. No. 3344.	245558. No. k3080.

245559. No. k3088.	245587. No. k3159.	245614. No. k3231.
245560. No. k3090.	245588. No. k3160.	245615. No. k3232.
245561. No. k3091.	245589. No. k3161.	245616. No. k3234.
245562. No. k3092.	245590. No. k3163.	245617. No. k3235.
245563. No. k3093.	245591. No. k3172.	245618. No. k3238.
245564. No. k3094.	245592. No. k3174.	245619. No. k3239.
245565. No. k3095.	245593. No. k3181.	245620. No. k3240.
245566. No. k3097.	245594. No. k3188.	245621. No. k3243.
245567. No. k3098.	245595. No. k3190.	245622. No. k3244.
245568. No. k3100.	245596. No. k3191.	245623. No. k3246.
245569. No. k3101.	245597. No. k3197.	245624. No. k3247.
245570. No. k3102.	245598. No. k3198.	245625. No. k3249.
245571. No. k3103.	245599. No. k3202.	245626. No. k3253.
245572. No. k3106.	245600. No. k3204.	245627. No. k3255.
245573. No. k3110.	245601. No. k3205.	245628. No. k3258.
245574. No. k3111.	245602. No. k3207.	245629. No. k3261.
245575. No. k3112.	245603. No. k3212.	245630. No. k3265.
245576. No. k3120.	245604. No. k3214.	245631. No. k3266.
245577. No. k3124.	245605. No. k3215.	245632. No. k3267.
245578. No. k3128.	245606. No. k3217.	245633. No. k3268.
245579. No. k3131.	245607. No. k3220.	245634. No. k3271.
245580. No. k3142.	245608. No. k3221.	245635. No. k3272.
245581. No. k3145.	245609. No. k3222.	245636. No. k3273.
245582. No. k3151.	245610. No. k3223.	245637. No. k3274.
245583. No. k3152.	245611. No. k3224.	245638. No. k3276.
245584. No. k3153.	245612. No. k3225.	245639. No. k3277.
245585. No. k3156.	245613. No. k3226.	245640. No. k3280.
245586. No. k3157.		

245641 to 245647. TRITICUM COMPACTUM Host

Club wheat.

245641. No. 3032.	245645. No. 3100.
245642. No. 3037.	245646. No. 3108.
245643. No. 3039.	245647. No. k3063.
245644. No. 3044.	

245648 to 245661. TRITICUM DURUM Desf.

Durum wheat.

245648. No. 3233.	245655. No. 3260.
245649. No. 3250.	245656. No. 3261.
245650. No. 3251.	245657. No. 3263.
245651. No. 3252.	245658. No. 3267.
245652. No. 3255.	245659. No. 3268.
245653. No. 3256.	245660. No. 3270.
245654. No. 3259.	245661. No. 3291.

245662. TRITICUM sp.

No. 3228. A small but distinct race from Khorasan, Turkey, where it is cultivated on irrigated land.

- 245663 and 245664. *TRITICUM POLONICUM* L. Polish wheat.
 245663. No. 3002. 245664. No. k3177.
 245665 and 245666. *TRITICUM TURGIDUM* L. Poulard wheat.
 245665. No. k3149. 245666. No. k3158.

245667. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.

From Sweden. Scions presented by Balsgard Fruit Breeding Institute, Fjalkestad. Received February 4, 1958.

Pr. 20621 (2n=32).

245668. *PRUNUS CERASUS* L. Sour cherry.

From Germany. Scions presented by the Max-Planck-Institut für Zuchtforschung, Cologne. Received February 4, 1958.

'Heimanns Konservenweichsel'. A compact hardy tree, self-fertile; fruits abundant. Originated in Hungary about 1926 and was known as 'Pandy' or the 'Glasweichsel', is comparable to the 'Schattenmorelle'. Vitamin C content is $\frac{1}{2}$ higher than in the 'Schattenmorelle'; fruit larger.

245669 and 245670. *VITIS* (hybrids). Vitaceae. Grape.

From Portugal. Cuttings presented by the Agricultural Attache, United States Embassy, Lisbon. Received February 4, 1958.

Two traditional wine varieties on the Island of Madeira. These varieties are notable for their grapejuice quality but the quantity is only fair.

245669. 'Cercial'. ('Esgana-cao'). 7.5% tartaric acid and relatively poor in sugars, giving a fresh acid taste to the wine peculiar to this variety. The average alcohol content of this wine is 11%.

245670. 'Terrantez'. 8.5% tartaric acid and a relatively high sugar content, giving an aromatic characteristic to the wine. The average alcohol content of this wine is 14%.

245671 to 245675. *PRUNUS ARMENIACA* L. Amygdalaceae. Apricot.

From France. Cuttings presented by the Station de Recherches Viticoles & d'Arboriculture Fruitiere, Pont-de-la-Maye. Received February 5, 1958.

245671. 'Bulida'. Originally from Spain. Fruit small, ripens in June and July; cannot be heavily pruned.

245672. 'Caninos'. Originally from Murcia Spain. Fruit oblong, irregularly shaped on stem end; skin yellow-amber to greenish-yellow; flesh yellow-orange, crisp, very juicy; freestone. Matures in June, average quality for transportation, canning; very productive; resistant to disease. Variety does not do well under irrigation. Compatible with understocks of 'Franc de Reine Claude', 'P. 31-Myrobolan B'. (but not all 'Myrobolan') and peach.

245673. 'Poizat Aneliore Darnaud'. A regular bearer; ripens about mid-July.

245674. 'Precoce Colomer'. ('Precoce de Couloumer'; 'Precoce du Roussillon'.) A chance cross made on the Island of Tet; adopted by the trade in 1930. Fruit oblong to truncate, overlapping at the suture line; skin dark yellow; flesh yellow-orange, slightly tart, not juicy; freestone. Matures in June. Very productive; resistant to diseases; good for drying; compatible with peach rootstocks.

245675. 'Rouge du Roussillon'. A variable variety; origin uncertain. Fruit freestone; matures in July. Shipping quality good; canning quality good; taste good; very productive; resistant to disease. Compatible with rootstocks of 'Mariana', 'Damas de Toulouse' and peach.

245676 to 245684.

From the Union of Soviet Socialist Republics. Bulbs and seeds presented by the Hebrew University, Jerusalem, Israel. Planted at the Agricultural Experiment Station, Davis, California. Numbered February 5, 1958.

From the Botanic Garden, Erivan, Armenia. Each accession consists of bulbs and seeds.

245676. *ALLIUM ALBIDUM* Fisch. Liliaceae.

Highlands of northern Armenia.

245677. *ALLIUM CARDIOSTEMON* Fisch & Mey.

Arid woods, southern Armenia.

245678. *ALLIUM FUSCOVIOLACEUM* Fom.

Upland steppe, southern Armenia.

245679. *ALLIUM VINEALE* L.

River banks, southern Armenia.

245680. *ALLIUM KARSIANUM* Fom.

Upland steppe, northern Armenia.

245681. *ALLIUM SPHAEROCEPHALON* L.

Semidesert, southern Armenia.

245682. *ALLIUM* sp.

Semidesert, southern Armenia.

245683. *ALLIUM AKAKA* Gmel.

Phrygana, southern Armenia.

245684. *ALLIUM GLOBOSUM* Bieb.

Mountain zone, northern Armenia.

245685 to 245688. *ZEA MAYS* L. Poaceae.

Corn.

From the Union of South Africa. Seeds presented by the Department of Agriculture, Natal Region, Pietermaritzburg. Received Feb. 6, 1958.

Hybrids highly resistant to northern leaf blight (*Helminthosporium turcicum*) and have withstood lodging even during stormy seasons. High yielders; matures in 150 to 155 days.

245685. N7000. (B2895S × B479S) × (K4.KY36-11 × B489S).

245686. N7001. (B2895S × B278S) × (B1138T × B670T).

245687. N7002 (B2895S × A441-5) × (B1138T × B679T).

245688. N7003. (B2895S × B2778S) × (B489S × (B670T)).

245689. *HIEROCHLOE ODORATA* (L.) Beauv. Poaceae. **Vanillagrass.**

From Sweden. Seeds presented by the Svalof Plant Breeding Station, Svalof. Received Feb. 6, 1958.

245690 to 245707. *ORYZA SATIVA* L. Poaceae.

Rice.

From Japan. Seeds presented by an unknown donor. Received Feb. 6, 1958.

245690. C 10.

245699. C 19.

245691. Clustered spikelet.

245700. D 1.

245692. Dwarf.

245701. H 9.

245693. Rd 1.

245702. H 25.

245694. A 5.

245703. H 52.

245695. A 13.

245704. H 59.

245696. A 32.

245705. N 1.

245697. A 58.

245706. N 11.

245698. A 73.

245707. N 45.

245708 to 245718.

From China. Seeds presented by an unknown donor, Taiwan. Received Feb. 6, 1958.

245708. *ORYZA PARAGUAYENSIS* Wedd. ex E. Fourn.

Rice.

245709 to 245718. *ORYZA SATIVA* L.

Rice.

245709. No. number.

245714. No. 451.

245710. No. 242.

245715. No. 647.

245711. No. 325.

245716. No. 717.

245712. No. 341.

245717. No. 721.

245713. No. 435.

245718. No. 777.

245719 to 245724. *VITIS VINIFERA* L. Vitaceae. European grape.

From Italy. Cuttings presented by the Agricultural Attache, United States Embassy, Rome. Received Feb. 6, 1958.

245719. 'Ciclopica'. Pirovano N. 60.

245720. 'Maria Pirovano'. Pirovano N. 165.

245721. 'Mendel'. Pirovano N. 532.

245722. 'Mirifica'. Pirovano N. 432.

245723. 'Moscato Fiamma'. Pirovano Cross.

245724. 'Santa Barbara'. Pirovano N. 480.

245725 to 245758.

From Turkey. Seeds presented by the United States Operations Mission, Ankara. Received Feb. 7, 1958.

245725. *AEGILOPS CRASSA* Boiss. Poaceae.

Goatgrass.

Ceylanpinar, Urfa Province.

245726. *AEGILOPS SPELTOIDES* Tausch

Goatgrass.

Ceylanpinar, Urfa Province.

245727 and 245728. *BOTHRIOCHLOA INTERMEDIA* (R. Br.) A. Camus Poaceae.
Australian bluestem.

245727. Bala, Ankara Province.

245728. Kaman, Kirsehir Province. Dry hillside.

245729. *ARRHENATHERUM ERIANTHUM* Boiss. & Reut. Poaceae.

Bucuk Baraj, Ankara Province. Tall, perennial grass, with flat leaf blades and dense erect panicles. Native to Spain.

245730. *BRACHYPODIUM DISTACHYON* (L.) Beauv. Poaceae.

Kaman Kirschir Province. Arid; elevation 3,000 feet. Purple falsebrome.

245731 and 245732. *BROMUS DANTHONIAE* Trin. Poaceae.

Brome.

245731. Bala, Ankara Province. Arid; elevation 3,000 feet.

245732. Ceylanpinar, Urfa Province. Dry.

245733. *BROMUS TECTORUM* L. Poaceae.

Cheatgrass.

Bala, Ankara Province. Arid; elevation 3,000 feet.

245734. *HELIOTRICHON* sp. Poaceae.

Tokat, Sivas Highway, North Slope, Tokat Province.

245735. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

Market, Mardin Province.

245736. *HELIANTHUS ANNUUS* L. Asteraceae. Common sunflower.
Iyneler, Thrace. Used for oil. A black, pubescent seeded type, grown mostly in the northern part of Turkey.
- 245737 to 245743. Ceylanpinar, Urfa Province.
- 245737 and 245738. *HORDEUM BULBOSUM* L. Poaceae. Bulbous barley.
245737. No. 1.
245738. No. 3.
- 245739 to 245741. *HORDEUM SPONTANEUM* C. Koch. Barley.
245739. No. 1.
245740. No. 2.
245741. No. 3.
245742. *HORDEUM* sp.
245743. *POA BULBOSA* L. Poaceae. Bulbous bluegrass.
245744. *TRIFOLIUM NIGRESCENS* Viv. Fabaceae. Ball clover.
Gelembé Experiment Station. Annual; flowers white. Selected strain, adapted to areas with high water table. Native to southern Europe and the Mediterranean region.
245745. *TRIGONELLA MONANTHA* C. A. Mey. Fabaceae.
Bucuk Baraj, Ankara Province.
- 245746 to 245756. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
245746 and 245747. Malatya Province.
245746. (No data.)
245747. (No data.)
- 245748 to 245752. Maras Province.
245748. Market, Ceyhan.
245749. Market, Torcu.
245750. Market, Yokoul-Yemez.
245751. Market, Deve disi.
245752. Market, Florence.
- 245753 to 245755. Urfa Province.
245753. Singlehead. Bearded type with awns black at base.
245754. Singlehead. Bearded type.
245755. Singlehead. Bearded type.
245756. Gokhuyuk State Farm, Amasya Province. Singlehead.
245757. *VICIA ERVILIA* (L.) Willd. Fabaceae. Bittervetch.
Bucuk Baraj, Ankara Province.
245758. *VICIA* sp.
Gokhuyuk, Amasya Province.
245759. *JUGLANS REGIA* L. Juglandaceae. Persian walnut.
From France. Scions presented by G. L. Herman, Domaine de Castang, Bergerac, Dordogne. Received February 7, 1958.
'Marbeau'.
245760. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered February 10, 1958.

Originally received from Rhode Island by the Regional Plant Introduction Station, Geneva, N.Y. Sent to Ames, Iowa in 1956 as a selection of P.I. 223313 with yellow fruits.

245761 to 245853.

From Chile. Tubers and seeds collected by D. S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received February 10, 1958.

Material received as tubers unless otherwise noted.

245761. DIOSCOREA sp. Dioscoreaceae.

Col. No. C-18. Growing on slopes above lake at Panguipulli. Twining vine with thick roots; roots used as soap by the natives.

245762. SOLANUM BREVIDENS Phil. Solanaceae.

Col. No. C-20. Banos San Pedro, Lago Ranco. Tubers cream-white with reddish tinge; flowers large, bluish-white.

245763 and 245764. SOLANUM ETUBEROSUM Lindl.

245763. Col. No. C-14. Road from Cherquenco to Refugio Llaima. Plants to 4 ft. high; flowers blue-purple; fruits gray-green, usually purple at base.

245764. Col. No. C-15. Along streams at Liapenco, above Pucon. Plants robust and spreading; flowers light blue; fruits green.

245765. SOLANUM sp.

Col. No. C-25. Grown at Centinella Agricultural Experiment Station, Puerto Octay. Originally from Colombia. Plants low, bushy; tubers white, spotted with purplish red; flesh deep yellow with numerous small eyes.

245766 to 245853. SOLANUM (hybrids).

245766 to 245800. Grown at Centinella Agricultural Experiment Station, Puerto Octay. Localities given are original sources of material.

245766. Col. No. C-26. 'Blanca'. Tubers white; skin white.

245767. Col. No. C-27. 'Comuy'. Pilmaquen. Osorno Province. Tubers orbicular; skin deep pink; flesh cream.

245768. Col. No. C-28. 'Frutilla'. Island of Chiloe. Tubers ellipsoid; skin yellow; flesh white.

245769. Col. No. C-29. 'Azul'. Tubers round or ellipsoid; skin purple, flesh white.

245770. Col. No. C-30. 'Castro'. Island of Chiloe. Tubers ellipsoid; skin yellow and pink; flesh yellow.

245771. Col. No. C-31. 'Clavella'. Tubers round; skin yellow and pink; flesh cream.

245772. Col. No. C-32. 'Natalina'. Island of Chiloe. Tubers round; skin pink; flesh cream.

245773. Col. No. C-33. 'Corahila Pintada'. Island of Chiloe. Tubers ellipsoid; skin yellow and pink; flesh yellow.

245774. Col. No. C-34. 'Sedalina'. Osorno Province. Tubers round; skin flesh-colored; flesh yellow.

245775. Col. No. C-35. 'Mundial'. Pucon, Lago Cabulla. Tubers irregularly round; skin yellow and pink; flesh yellow.

245776. Col. No. C-36. 'Corahila Macho'. Island of Chiloe. Tubers round and ellipsoid; skin yellow and pink; flesh yellow.

245777. Col. No. C-37. 'Corahila Fina'. Island of Chiloe. Tubers broadly ellipsoid; eyes shallow; skin pink; flesh yellow.

245778. Col. No. C-38. 'Colique'. Pucon, Caburhua Lake. Tubers long, cylindric, curved; skin white and pink; flesh white.

245779. Col. No. C-39. 'Corahila Blanca'. Tubers round, ellipsoid; skin white, with a red-pink blush; flesh yellow.
245780. Col. No. C-40. 'Negra'. Osorno Province. Tubers ellipsoid; skin black; flesh white.
245781. Col. No. C-41. 'Palmeta'. Island of Chiloe. Tubers round; flesh and skin white.
245782. Col. No. C-42. 'Clavella'. Tubers round; skin yellow, flushed pink about eyes; flesh yellow.
245783. Col. No. C-43. 'Amarilla Temprana'. Villarica. Tubers round; skin white; flesh yellow.
245784. Col. No. C-44. 'Varias Castro'. Island of Chiloe. Tubers round, ellipsoid; skin purple; flesh white.
245785. Col. No. C-45. 'Morada Lisa'. Island of Chiloe. Tubers irregular; skin purple; flesh white.
245786. Col. No. C-46. 'Colorada'. Tubers round, ellipsoid; skin pink; flesh yellow.
245787. Col. No. C-47. 'Corahila Castro'. Island of Chiloe. Tubers ellipsoid; skin yellow and pink; flesh yellow.
245788. Col. No. C-48. 'Morada'. Island of Chiloe. Tubers round; skin purple; flesh white.
245789. Col. No. C-49. 'Reina'. Cautin Province. Tubers ellipsoid; skin pink; flesh yellow.
245790. Col. No. C-50. 'Pehuenche'. Coihueco Province. Tubers irregular; skin purple; flesh white. Resistant to blight.
245791. Col. No. C-51. 'Quila'. Petruguen Province, Cautin. Tubers broadly ellipsoid; eyes numerous, deep-set; skin and flesh white.
245792. Col. No. C-52. 'Morada Ojuda'. Island of Chiloe. Tubers round; eyes small, deep-set; skin purple-black; flesh white.
245793. Col. No. C-53. 'Cirila'. Tubers irregularly round; eyes numerous, deep-set; skin purple-red; flesh white.
245794. Col. No. C-54. 'Rosada Cancalue'. Island of Chiloe. Tubers irregularly round and flat; skin light flesh-pink; flesh yellow.
245795. Col. No. C-55. 'Serena'. La Serena. Tubers round; skin flesh-pink; flesh yellow.
245796. Col. No. C-56. 'Detico'. Tubers long, spindle-shaped; skin pink; flesh white.
245797. Col. No. C-57. 'Mojon de Gato'. Osorno Province. Tubers long-ellipsoid, fusiform; skin purple-black; flesh white.
245798. Col. No. C-58. 'Peulla'. Osorno Province. Tubers round, ellipsoid; skin white.
245799. Col. No. C-59. 'Morada'. Island of Chiloe. Tubers flat, ellipsoid; skin purple; flesh white.
245800. Col. No. C-60. 'Mucana'. Cautin Province. Tubers round; eyes shallow; skin flesh-pink; flesh yellow.
- 245801 to 245809. Grown in small garden, La Pasada, Prov. Llanquehue.
245801. Col. No. C-61. 'Corahila'. La Pasada, Llanquehue Province. Tubers ovoid, compressed; skin pink; flesh yellow.
245802. Col. No. C-62. 'Corahila Blanca'. La Pasada, Llanquehue Province. Tubers ellipsoid, compressed; skin yellow-pink; flesh yellow.
245803. Col. No. C-63. La Pasada, Llanquehue Province. Tubers ellipsoid, compressed; skin purple; flesh yellow.
245804. Col. No. C-64. 'Mantequilla'. La Pasada, Llanquehue Province. Tubers round; skin yellow-white; flesh yellow.

245805. Col. No. C-65. 'Huaicana'. La Pasada, Llanquehue Province. Tubers ellipsoid; skin purple-black; flesh white.
245806. Co. No. C-66. 'Corahila Largo'. La Pasada, Llanquehue Province. Tubers round, ellipsoid; skin purple-red; flesh yellow.
245807. Col. No. C-67. 'Rosada'. La Pasada, Llanquehue Province. Tubers round; skin pink; flesh white.
245808. Col. No. C-68. 'Frutilla'. La Pasada, Llanquehue Province. Tubers ellipsoid; skin yellow-pink; flesh yellow.
245809. Col. No. C-69. 'Clavela'. La Pasada, Llanquehue Province. Tubers ellipsoid, compressed; skin yellow; flesh white.
245810. Col. No. C-70. Ancud, Island of Chiloe. Tubers round, compressed; skin red-purple; flesh yellow.
245811. Col. No. C-71. Ancud, Island of Chiloe. Tubers round; skin flesh-pink; flesh white.
245812. Co. No. C-72. Ancud, Island of Chiloe. Tubers ellipsoid, compressed; skin white; flesh yellow.
245813. Col. No. C-73. 'California'. Ancud, Island of Chiloe. Tubers fusiform-cylindric; skin white; flesh yellow.
245814. Col. No. C-74. 'Corahila Rosada'. Ancud, Island of Chiloe. Tubers round, ellipsoid; skin purple-pink; flesh deep yellow.
245815. Col. No. C-75. 'Montequilla'. Ancud, Island of Chiloe. Tubers round, ellipsoid; skin white; flesh deep yellow.
245816. Col. No. C-76. 'Papa Blanca'. Ancud, Island of Chiloe. Tubers round; skin white; flesh yellow.
245817. Co. No. C-77. Ancud, Island of Chiloe. Tubers ellipsoid, compressed; skin white; flesh yellow.
245818. Col. No. C-78. 'Papa Blanca'. Small farm south of Ancud, Island of Chiloe. Tubers round, ellipsoid; skin white.
245819. Col. No. C-79. 'Papa Negra'. Small farm south of Ancud, Island of Chiloe. Tubers round; skin purple; flesh yellow.
245820. Col. No. C-80. 'Corahila'. Small farm south of Ancud, Island of Chiloe. Tubers round; skin purple; flesh yellow.
245821. Col. No. C-81. Small farm south of Ancud, Island of Chiloe. Tubers round; skin purple; flesh white.
245822. Col. No. C-82. Small farm south of Ancud, Island of Chiloe. Tubers ovoid; eyes shallow; skin yellow and pink; flesh yellow.
245823. Col. No. C-83. Small farm at Nercon Castro, Island of Chiloe. Tubers ovoid; eyes shallow; skin yellow and pink; flesh yellow.
245824. Col. No. C-84. 'Meada de Gato'. Small farm at Nercon Castro, Island of Chiloe. Tubers ellipsoid; skin purple-black; flesh white.
245825. Col. No. C-85. 'Corahila Rama'. Small farm at Nercon Castro, Island of Chiloe. Tubers round; eyes wide, shallow; skin dull pink; flesh white.
245826. Col. No. C-86. 'Blanca Dura'. Small farm at Nercon Castro, Island of Chiloe. Tubers round; eyes small, shallow; skin and flesh white.
245827. Col. No. C-87. 'Natalina'. Farm between Putemun and Pidpid, Castro, Island of Chiloe. Tubers round; skin flesh-pink; flesh white. A heavy producer.
245828. Col. No. C-88. 'Ackersegen'. Small farm between Putemun and Pidpid, Castro, Island of Chiloe. Tubers round; skin and flesh white. A German variety that is blight resistant.
245829. Col. No. C-89. 'Corahila Chilota'. Small farm at Pidpid Castro, Island of Chiloe. Tubers ellipsoid; eyes broad, shallow; skin purple-pink; flesh yellow.

245830. Col. No. C-90. 'Corahila Legitima'. Small farm at Putemun, Castro, Island of Chiloe. Tubers round, ellipsoid; eyes shallow; skin red-pink; flesh yellow.
245831. Col. No. C-91. 'Papa Blanca'. Small farm near Putemun, Castro. Tubers ellipsoid, compressed; eyes shallow; skin and flesh white.
245832. Col. No. C-92. 'Rosada Negra'. Small farm near Putemun, Castro Island of Chiloe. Tubers round, compressed; eyes broad, shallow; skin purple; flesh white. Bears well.
245833. Col. No. C-93. 'Natalina'. Small farm at Dalchue, Castro, Island of Chiloe. Tubers round; eyes irregular; skin dull-red; flesh yellow.
245834. Col. No. C-94. 'Corahila Blanca'. Small farm near Dalcahue, Castro, Island of Chiloe. Tubers ellipsoid, compressed; eyes broad, shallow; skin yellow and pink mottled; flesh yellow.
245835. Col. No. C-95. 'Corahila Rosada'. Small farm near Dalcahue, Castro, Island of Chiloe. Tubers ovoid, compressed; eyes small, shallow; skin pink; flesh white.
245836. Col. No. C-96. 'Natalina'. Small farm near Dalcahue, Castro, Island of Chiloe. Tubers round; eyes round, shallow; skin flesh-pink; flesh white.
245837. Col. No. C-97. 'Toltena'. Farm near Dalcahue, Castro, Island of Chiloe. Tubers round; eyes shallow, pink; skin flesh-color; flesh white.
245838. Col. No. C-98. 'Menendez'. Small farm near Dalcahue, Castro, Island of Chiloe. Tubers round; skin and flesh white.
245839. Col. No. C-99. 'Corahila Pina'. Small farm near Dalcahue, Castro, Island of Chiloe. Tubers round; skin deep-pink; flesh white.
245840. Col. No. C-100. 'Papa Corahila Blanca'. Grown near Dalcahue, Castro, Island of Chiloe. Tubers ellipsoid; skin yellow; flesh white.
245841. Col. No. C-101. 'Papa Blanca'. Farm near Dalcahue, Castro, Island of Chiloe. Tubers round; skin and flesh white.
245842. Col. No. C-102. 'Papa Rinon'. Small farm near Dalcahue, Castro, Island of Chiloe. Tubers ovoid-ellipsoid, compressed; skin purple; flesh white.
245843. Col. No. C-103. 'Papa Natalina'. Small farm near Dalcahue, Castro, Island of Chiloe. Tubers round; skin flesh-pink; flesh white.
245844. Col. No. C-104. 'Tonta'. Lemuy Island. Grown on farm at Pindaco near Chonchi, Castro, Island of Chiloe. Tubers round; skin white; flesh rich yellow.
245845. Col. No. C-105. 'Sedosa'. Pindaco near Chonchi, Castro, Island of Chiloe. Tubers round; skin red-pink; flesh white.
245846. Col. No. C-106. 'Araucana'. Garden on outskirts of Ancud, Island of Chiloe. Tubers ellipsoid; skin purple-red; flesh white.
245847. Col. No. C-106. 'Chaulinec'. Garden on outskirts of Ancud, Island of Chiloe. Tubers round; skin flesh-pink; flesh yellow.
245848. Col. No. C-109. 'Rosada Fina'. Garden on outskirts of Ancud, Island of Chiloe. Tubers ellipsoid; skin red-purple; flesh yellow.
245849. Col. No. C-110. 'Papa Colorada'. Small farm near Puerto Eysen. Tubers round; skin red; flesh yellow. Blight-tolerant.
245850. Col. No. C-111. 'Corahila Rosada'. Farm near Puerto Eysen. Tubers round; skin flesh-pink; flesh white.
245851. Col. No. C-112. 'Colorada'. Farm between Coyhaique and Puerto Eysen. Tubers round; skin purple-red; flesh yellow.
245852. Col. No. C-113. 'Papa Morada'. Farm near Puerto Eysen. Tubers small, ellipsoid to cylindrical; skin purple; flesh white.
245853. Col. No. C-114. 'Ackersegen'. Farm near Puerto Eysen. Tubers round-ellipsoid, compressed; skin and flesh white.

245854. RIBES SATIVUM Syme. Grossulariaceae. Garden currant.

From Germany. Plants presented by E. Schuppe, Budessortenant, Rethmar, Hannover. Received February 10, 1958.

'Rote Sputlese'.

245855. CITROPSIS LATIALATA (Wildem.) Swing. & M. Kellerm. Rutaceae.

From the Belgian Congo. Scions collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 11, 1958.

Col. No. 21005. Botanical garden, Kisantu. Shrub to 6 ft. high.

245856. PRUNUS sp. Amygdalaceae.

From Great Britain. Scions presented by the John Innes Horticultural Institute, Bayfordbury, Hertford, England. Received February 11, 1958.

'Merton Reward'. A new cherry variety.

245857 to 245859. MICROSERIS SCAPIGERA (Forst. f.) Sch. Bip. Asteraceae.

From Australia. Plants presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received February 11, 1958.

245857. Collected in rough pasture near Hotel Kosciusko, Mount Kosciusko, New South Wales.

245858. Collected below summit of Mount Carruthers, New South Wales.

245859. Collected on Mount Ginini.

245860. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From El Salvador. Seeds presented by the Instituto Salvadoreno Investigaciones del Cafe, Santa Tecla. Received February 11, 1958.

'Mundo Novo'.

245861. TRIFOLIUM PRATENSE L. Fabaceae. Red clover.

From Finland. Seeds presented by the Agricultural Research Center, Department of Plant Husbandry, Tikkurila. Received February 11, 1958.

Grown at the Tammisto Plant Breeding Station.

245862 to 245921. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Puerto Rico. Seeds presented by the Agricultural Substation, Castaner. Received February 10, 1958.

245862 to 245867. B. A. 10.

245862. Tree No. 1083. Open pollinated.

245863. Tree No. 1083. Self pollinated.

245864. Tree No. 1084. Open pollinated.

245865. Tree No. 1084. Self pollinated.

245866. Tree No. 1086. Open pollinated.

245867. Tree No. 1086. Self pollinated.

245868 to 245875. Amphylla.

245868. Tree No. 722. Open pollinated.

245869. Tree No. 722. Self pollinated.

245870. Tree No. 727. Open pollinated.

245871. Tree No. 727. Self pollinated.

245872. Tree No. 731. Open pollinated.

245873. Tree No. 731. Self pollinated.

245874. Tree No. 733. Open pollinated.
245875. Tree No. 733. Self pollinated.
245876 to 245881. Geisha.
245876. Tree No. 1. Open pollinated.
245877. Tree No. 1. Self pollinated.
245878. Tree No. 2. Open pollinated.
245879. Tree No. 2. Self pollinated.
245880. Tree No. 5. Open pollinated.
245881. Tree No. 5. Self pollinated.
245882 to 245889. F. 840.
245882. Tree No. 1174. Open pollinated.
245883. Tree No. 1174. Self pollinated.
245884. Tree No. 1179. Open pollinated.
245885. Tree No. 1179. Self pollinated.
245886. Tree No. 1180. Open pollinated.
245887. Tree No. 1180. Self pollinated.
245888. Tree No. 1182. Open pollinated.
245889. Tree No. 1182. Self pollinated.
245890 to 245897. H. I.
245890. Tree No. 1067. Open pollinated.
245891. Tree No. 1067. Self pollinated.
245892. Tree No. 1070. Open pollinated.
245893. Tree No. 1070. Self pollinated.
245894. Tree No. 1071. Open pollinated.
245895. Tree No. 1071. Self pollinated.
245896. Tree No. 1073. Open pollinated.
245897. Tree No. 1073. Self pollinated.
245898 to 245901. H-66.
245898. Tree No. 875. Open pollinated.
245899. Tree No. 875. Self pollinated.
245900. Tree No. 877. Open pollinated.
245901. Tree No. 887. Self pollinated.
245902 to 245909. K. P. 532.
245902. Tree No. 29. Open pollinated.
245903. Tree No. 29. Self pollinated.
245904. Tree No. 31. Open pollinated.
245905. Tree No. 31. Self pollinated.
245906. Tree No. 38. Open pollinated.
245907. Tree No. 38. Self pollinated.
245908. Tree No. 43. Open pollinated.
245909. Tree No. 43. Self pollinated.
245910 to 245921. Selections from female and male parents.
245910. Caturra, Tree No. R2.T3, and Geisha, Tree R4.T1.
245911. Caturra, Tree No. R2.T3, and Geisha, Tree R4.T4.

245912. Caturra, Tree No. R2.T6, and Geisha, Tree R1.T1.
 245913. Caturra, Tree No. R2.T6, and Geisha, Tree R2.T1.
 245914. Caturra, Tree No. R3.T1, and Geisha, Tree R4.T1.
 245915. Caturra, Tree No. N3.T1, and Geisha, Tree R4.T4.
 245916. Caturra, Tree No. R3.T4, and Geisha, Tree R1.T.
 245917. Caturra, Tree No. R3.T4, and Geisha, Tree R2.T1.
 245918. Caturra, Tree No. R3.T4, and Geisha, Tree R3.T1.
 245919. Caturra, Tree No. R3.T5, and Geisha, Tree R3.T2.
 245920. Caturra, Tree No. R3.T6, and Geisha, Tree R3.T1.
 245921. Caturra, Tree No. R3.T6, and Geisha, Tree R3.T2.

245922. RAUVOLFIA SERPENTINA Benth. Apocynaceae.

Java devilpepper.

From Thailand. Seeds presented by the Department of Agriculture, Bangkok.
 Received February 12, 1958.

Collected in Sukotai Province.

245923 to 245945.

From Chile. Tubers and seeds collected by D. S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received February 12, 1958.

245923. DIOSCOREA sp. Dioscoreaceae.

(Tubers.)

245924. SOLANUM ETUBEROSUM Lindl. Solanaceae.

Col. No. C-143. 'Papa Diable'. Along stream above Termas de Chillan. Flowers purplish; fruits pale green with wine-colored blotch at base. (Fruits.)

245925 to 245945. SOLANUM (hybrids).

Grown at Experiment Station, Plan-Chillan.

245925 and 245926. Col. No. C-127. 'Belena'. Zapahuira, Arica. Flowers white; fruits ovoid, light green; tubers oval, flat; skin flesh-pink; flesh white.

245925. (Tuber.)

245926. (Fruits.)

245927 and 245928. Col. No. C-128. 'Chaucha'. Zapahuira, Arica. Flowers purple and pink; fruits spherical; tubers irregular; eyes deep; skin and flesh purple.

245927. (Tuber.)

245928. (Fruits.)

245929. Col. No. C-129. 'Cobiga'. Zapahuira, Arica. Flowers white; fruits large, ovoid, green, with purple-red spots. (Fruits.)

245930 and 245931. Col. No. C-130. 'Chapiquina'. Zapahuira, Arica. Flowers white to pale lavender; fruits grass-green; tubers aroid; skin purple; flesh cream-white.

245930. (Tubers.)

245931. (Fruits.)

245932 and 245933. Col. No. C-131. 'Jampa'. Zapahuira, Arica. Flowers pink-lavender; fruits spherical, green spotted with purple.

245932. (Tuber.)

245933. (Fruits.)

245934 and 245935. Col. No. C-132. 'Chapaquina'. Zapahuira, Arica. Flowers pink-purple; fruits spherical, green with purple blush.

245934. (Tubers.)

245935. (Fruits.)

245936 and 245937. Col. No. C-133. 'Rosada'. Zapahuira, Arica. Flowers white; fruits ovoid, light green; skin dark pink.

245936. (Tubers.)

245937. (Fruits.)

245938 and 245939. Col. No. C-134. 'Blanca'. Zapahuira, Arica. Flowers white; tubers small, white.

245938. (Tuber.)

245939. (Fruits.)

245940. Col. No. C-135. 'Pitehuica'. Zapahuira, Arica. Flowers white; fruits ovoid. (Fruits.)

245941. Col. No. C-136. 'Colorada'. Zapahuira, Arica. Tubers red-pink; eyes broad; flesh cream-white. (Tubers.)

245942. Col. No. C-137. 'Crisola A'. Colquecura. Tubers irregular; eyes deep; skin pink-purple; flesh white. (Tubers.)

245943. Col. No. C-138. 'Crisola B'. Colquecura. Tubers round; eyes small; skin dull pink; flesh yellow. (Tubers.)

245944. Col. No. C-139. 'Doma'. Colquecura. Tubers irregular; eyes deep; skin pink; flesh yellow.

245945. Col. No. C-140. 'Reina'. Colquecura. Tubers broadly oval, flat; skin white with pink blush; flesh yellow.

245946 to 245949.

From Mexico. Cuttings and tubers collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 14, 1958.

245946. *ARUM* sp. Araceae.

Col. No. 83. Finca el Carmels Comolclaco, Tabasto. Common weed. Leaves pure green; veins white.

245947 and 245948. *EUPHORBIA PULCHERRIMA* Willd. Euphorbiaceae.

Common poinsettia.

245947. Col. No. 75. 'Flor de Navidad'. Near Finca la Rioja, Tapachula, Chiapas. Plant tall, multiple-branched; flowering heads red.

245948. Col. No. 76. 'Flor de Navidad Blanca'. Near Finca la Rioja, Tapachula, Chiapas. Low-growing bush covered with white bracts at some seasons after leaves have fallen.

245949. *MARANTA ARUNDINACEA* L. Marantaceae.

Bermuda arrowroot.

Col. No. 81. 'Nabo'. Market, Villa Hermosa, Tabasco. Corm used for food.

245950. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

From Italy. Seeds presented by the Italian Federation of Consorgi Agrari, Rome. Received Feb. 14, 1958.

'Maliani'.

245951 to 245960. *VOANDZEIA SUBTERRANEA* (L.) Thours. Fabaceae.

From Southern Rhodesia. Seeds presented by the Department of Native Agriculture and Land Husbandry, Causeway, Salisbury. Received Jan. 21, 1958.

245951. 'Bereke'. Seeds reddish brown.

245952. 'Chinyimwana'. Seeds red.

245953. 'Chiswuku'. Seeds red.

245954. 'Jekenyeke'. Seeds dark cream-colored, round with a reddish purple hilum spot.
245955. 'Ndamburosi'. Seeds pale yellow-brown.
245956. 'Ndora'. Seeds cream-colored, ovoid with dark purple-black hilum spot.
245957. 'Swutu'. Seeds red.
245958. 'Tumbe'. Seeds light chestnut-brown.
245959. 'Twhodoyi'. Seeds violet-black.
245960. 'Zambezi'. Seeds bright chestnut-brown.

245961 and 245962. PRUNUS PERSICA (L.) Batsch. Amygdalaceae. Peach.

From Canada. Scions presented by the Experimental Farm, Department of Agriculture, Summerland, B. C. Received February 19, 1958.

245961. 'Solo'. ('J. H. Hale' × 'Veteran'). Originated at the Experimental Station, Summerland in 1933 under S-11-3. Tree self-sterile, spreading habit, bears heavily, requires heavy thinning, moderately hardy; fruit large, well colored, remains on trees several days after maturity; flesh yellow, very firm to firm, juicy, quality fair, semifreestone; skin susceptible to mildew, tends to adhere to flesh. Canning quality fine.

245962. 'Spotlight'. ('Veteran' × 'Rochester'). Originated at the Experimental Station, Summerland in 1934. Tree self-sterile, upright when young; bears heavily; requires heavy thinning; hardy. Fruit medium size, roundish; skin smooth, orange-yellow, splashed with red; flesh yellow, firm, quality good, semifreestone. Canning quality satisfactory.

245963 to 245965. VITIS (hybrids.). Vitaceae. Grape.

From Yugoslavia. Cuttings presented by Dusan Stankovic, Poljoprivredni Fakultet, Zavod za Vocarstvo, Zemun. Received February 19, 1958.

245963. 'Beli Prokupac'.
245964. 'Prokupac'.
245965. 'Smederevka'.

245966 to 245968.

From Mexico. Seeds collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received February 19, 1958.

245966. *CARICA* sp. Caricaceae.

Col. No. 82. Near Villa Hermosa, Tabasco. Plant vigorous, wild, bears heavily; fruits size of golf ball. A small percentage of flowers are male.

245967. *ELETTARIA CARDAMOMUM* (L.) Maton Zingiberaceae. **Cardamom.**

Col. No. 77. Finca La Rioja, Tapachula, Chiapas.

245968. *SOLANUM* sp. Solanaceae.

Col. No. 80. 'Berenjena'. Market, Villa Hermosa, Tabasco. Yellow fruits sold as ornaments.

245969 to 245975.

From Australia. Seeds presented by George H. Hewitt, Bellingen, New South Wales. Received February 19, 1958.

245969. *ANOPTERUS MACLEAYANUS* F. Muell. Escalloniaceae.
245970. *BUCKINGHAMIA CELSISSIMA* F. Muell. Proteaceae.
245971. *CODONOCARPUS ATTENUATUS* (Hook.) H. Walt. Phytolaccaceae.
245972. *EUCALYPTUS* sp. Myrtaceae.
245973. *HAKEA ARBORESCENS* R. Br. Proteaceae.

245974. *JAGERA PSEUDORHUS* Radlk. Sapindaceae.

245975. *RHODOSPHAERA RHODANTHEMA* (F. Muell.) Engl. Anacardiaceae.

245976 to 245981.

From the British West Indies. Plant material presented by the Citrus Company of Jamaica Ltd., Kingston, Jamaica. Received February 19, 1958.

245976. *AGAVE HARRISII* Trel. Amaryllidaceae.

(Plants.)

245977. *AGAVE* sp.

A. 8. (Bulbils.)

245978. *FURCRAEA* sp. Amaryllidaceae.

F. A. (Bulbils.)

245979. *FURCRAEA* sp.

F. Cl. (Plants.)

245980. *FURCRAEA* sp.

F. C2. (Bulbils.)

245981. *FURCRAEA* sp.

F. D. (Plants.)

245982 to 246000.

From India. Cuttings presented by the Director, Sugarcane Breeding Institute, Coimbatore. Received February 20, 1958.

245982 to 245999. *SACCHARUM OFFICINARUM* L. Poaceae.

Sugarcane.

245982. Halyal Rasaeali.

245991. C. O. 957.

245983. B. O. 24.

245992. H. M. 645.

245984. C. O. 214.

245993. H. M. 661.

245985. C. O. 475.

245994. S. E. S. 315.

245986. C. O. 625.

245995. S. E. S. 316.

245987. C. O. 740.

245996. S. E. S. 317.

245988. C. O. 775.

245997. S. E. S. 341.

245989. C. O. 798.

245998. S. E. S. 521.

245990. C. O. 851.

245999. S. E. S. 528.

246000. *SACCHARUM SPONTANEUM* L.

'Cehra-Bon'.

246001 to 246017.

From the Belgian Congo. Plants, except where noted, collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received February 20, 1958.

Collected at the Kisanu Botanic Garden, Kisanu, unless otherwise noted.

246001. *CEROPEGIA ROBYNSIANA* Werderm. Asclepiadaceae. Col. No. 21025. Jardin de Essaid de la Mission de Kisanu. Ornamental vine. (Cuttings.)

246002. (Undetermined.)

Col. No. 21045. Jardin de Essais de la Mission de Kisanu. Small shrub; fruit a small red berry. (Seeds.)

246003. *CITRUS MYRTIFOLIA* Rafin. Rutaceae.

Col. No. 21029. Jardin de Essais de la Mission de Kisanu. Small tree. (Scions.)

246004. *SANSEVIERIA ARBORESCENS* Cornu. Liliaceae.

Col. No. 21020. (Cuttings.)

246005. *SANSEVIERIA CANICULATA* Carr.

Col. No. 21023.

246006. *SANSEVIERIA CYLINDRICA* Bojer

Col. No. 21015. Plant terrestrial; leaves large, terete.

246007. *SANSEVIERIA* sp.

Col. No. 21018.

246008. *SANSEVIERIA FASCIATA* Ger. & Labr.

Col. No. 21022. (Cuttings and root.)

246009. *SANSEVIERIA GRANDICUSPIS* Haw.

Col. No. 21017.

246010. *SANSEVIERIA LIBERICA* Ger. & Lab.

Col. No. 21024. Jardin de Essais de la Mission de Kisantu. (Seeds & Plants.)

246011. *SANSEVIERIA LONGIFLORA* Sims.

Col. No. 21021.

246012. *SANSEVIERIA STUCKEYI* Godef.-Leb.

Col. No. 21016. Plant terrestrial; leaves terete.

246013. *SANSEVIERIA SUBSPICATA* Baker

Col. No. 21019.

246014. *CARALLUMA* sp. Asclepiadaceae.

Col. No. 21025 A. Jardin de Essais de la Mission de Kisantu. (Cuttings.)

246015. *CARALLUMA* sp.

Col. No. 21026. Jardin de Essais de la Mission de Kisantu.

246016. *STAPELIA* sp.

Col. No. 21027. Jardin de Essais de la Mission de Kisantu.

246017. *VANILLA LUJAE* DeWild. Orchidaceae.

Col. No. 21047. Jardin de Essais de la Mission de Kisantu. Vine. (Cutting.)

246018. *CYDONIA OBLONGA* Mill. Malaceae.

Quince.

From Great Britain. Rooted layers and graftsticks presented by the East Malling Research Station, East Malling, Kent, England. Received February 20, 1958.

'Portugal Quince E'.

246019. *SACCHARUM OFFICINARUM* L. Poaceae.

Sugarcane.

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received February 20, 1958.

'S. E. S. 201'.

246020. *PROTEA* sp. Proteaceae.

From Australia. Seeds presented by Edward Pollock, Parke, New South Wales. Received February 19, 1958.

Originally from Tukuyu, Tanganyika.

246021. *MERRILLIA CALOXYLON* (Ridley) Swingle Rutaceae.

Katinga.

From Malaya. Seeds presented by the Botanic Gardens, Singapore. Received February 20, 1958.

For rootstock studies with *Citrus* sp.

246022 to 246028.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received February 21, 1958.

246022. AGAVE COLLINA Greenm. Amaryllidaceae.

Ogden Col. No. 51177. Tecolotlan near road from Cocula to Tecolotlan, Jalisco. Stem short; leaves blue-green, slightly glaucous, to 1.1 meters long; inflorescence to 4.5 meters high.

246023. AGAVE CUPREATA Trel.

Col. No. 10476. From Barrancas. Plant multileaved, inflexed, forming balled rosettes; panicle 8 meters high; flowers yellow.

246024. AGAVE GOLDMANIANA Trel.

Col. No. 10355. South of Tinaja Yubai, Idria-Cardon Forest. Plant large caulescent to 1.5 meters high; leaves green; flowers yellow.

246025. AGAVE LOPHANTHA Schiede

Crested agave.

Ogden Col. No. 51111. Road over Sierra Madre to Jaumave, Tamaulipas. Acaulescent; inflorescence spicate, to 5 meters high.

246026. AGAVE MAPISAGA Trel.

Col. No. 12294. Lagunilla, northwest of Pachuca, Hidalgo. Plant large, maguey; leaves long; panicle 8 meters high, laterals long.

246027. AGAVE sp.

Ogden Col. No. 51199. Six meters north of Pitayo along highway between Acatlan and Izucar de Matamoros. Plant acaulescent; leaves blue-green to gray-green, glaucous, to 1 meter long.

246028. YUCCA PENINSULARIS McKelvey Liliaceae.

Col. No. 16703. 34 km. east of Rosario, Baja California.

246029 and 246030.

From Chile. Seeds collected by D. S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received February 24, 1958.

246029. CITRULLUS VULGARIS Schrad. Cucurbitaceae.

Watermelon.

Col. No. C-144. 'Sandia'. Chillan. Melon small, very sweet.

246030. GREIGIA sp. Bromeliaceae.

Col. No. C-108. 'Chupon'. Chiloe Island. Plant tall; flower heads similar to artichokes.

246031 and 246032.

From Japan. Seeds presented by an unknown donor. Received Feb. 24, 1958.

246031. MISCANTHUS JAPONICUS (Thunb.) Oerst. Poaceae.

Japanese silvergrass.

246032. SACCHARUM NARENGA (Nees) Wall ex Hack. Poaceae. **Sugarcane.**

246033 to 246037. GOSSYPIMUM (hybrids). Malvaceae. **Cotton.**

From Southern Rhodesia. Seeds presented by the Gatooma Research Station, Salisbury. Received Feb. 24, 1958.

246033. 'Albar'.

246036. Mu8A.

246034. A5851.

246037. 9L36.

246035. BP52.

246038 to 246043.

From Mexico. Tubers collected by Bernice G. Schubert, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 24, 1958.

Collected in Yucatan.

246038. *Dioscorea floribunda* Mart. & Gal. Dioscoreaceae. Yam.

Col. No. 1617. Merida, Progreso road. Quadrate, rhizomatous vine; leaves mottled; rhizome flesh pale yellow.

246039. *Dioscorea* sp.

Col. No. 1600 Beyond Hucnucma along roadside, Merida-Sisal. Vine, rhizomes flat; fruit small rhizome flesh yellow.

246040. *Dioscorea* sp.

Col. No. 1615. Merida, Progreso road. Flowers sterile; rhizome pale yellow-fleshed.

246041. *Dioscorea polygonoides* Humb. & Bonpl. Yam.

Col. No. 1618. Near Hucnucma. Vine; rhizomes flat; fruit small.

246042. *Dioscorea* sp.

Col. No. 1619. Merida, Progreso road. Vine; rhizome pale-yellow flesh.

246043. *Dioscorea* sp.

Col. No. 1620. Near Hucnucma. Vine; rhizome flesh white; fruit large.

246044 and 246045. *Prunus cerasus* Blume Amygdalaceae.
Sour cherry.

From Israel. Seeds presented by the Ministry of Agriculture, Department of Horticulture, Hakirya. Received February 24, 1958.

246044. Sour type.

246045. Sweet type.

246046 to 246119. *Brassica oleracea* var. *capitata* L. Brassicaceae.
Cabbage.

From the Netherlands. Seeds presented by Instituut voor de Veredeling Van Tuinbouwgewassen, Wageningen. Received February 24, 1958.

246046 to 246055. From C. Beemsterboer, Warmenhuizen.

246046 to 246050. Red. Original 'Langendijk'.

246046. No. 57004. 'Early-red No. 61'.

246047. No. 57005. 'Early extra Fruko No. 61a'.

246048. No. 57006. Autumn.

246049. No. 57007. 'Late Winter Storage No. 58'.

246050. No. 57008. 'Write Out No. 59'.

246051 to 246055. Savoy. Original 'Langendijk'.

246051. No. 57016. 'Yellow-green Extra Early No. 64'.

246052. No. 57017. 'Late Autumn No. 63'.

246053. No. 57018. 'Dark-green Late Autumn No. 67'.

246054. No. 57019. 'Yellow-green Late Winter Storage No. 62'.

246055. No. 57020. 'King of the Winter'.

246056 to 246058. From Gebr. Broersen's Zaadteelt and Zaadhandel, Harenkarspel.

246056 and 246057. Red. Original 'Langendijk'.

246056. No. 57009. No. 24. 'Allervroegste'.

246057. No. 57010. No. 34. 'Herfst'.

246058. Savoy. Original 'Grote Late Herfstgroene'.

No. 57021. No. 41a.

246059 to 246068. From Sluis en Groot, Enkhuizen.

246059 to 246061. Red.

246059. No. 57011. 'Red Acre'.

246060. No. 57012. 'Red Rock'.

246061. No. 57013. 'Holland Winter'.

246062 to 246068. Savoy.

246062. No. 57022. 'S. & G.'s Early Green Pointed'.

246063. No. 57023. 'Early Season Green Pointed'.

246064. No. 57024. 'Advent'.

246065. No. 57025. 'American Drumhead'.

246066. No. 57026. 'Diamond Mid Early'.

246067. No. 57027. 'Green Ball'.

246068. No. 57028. 'Long Island'.

246069 to 246083. From Vilmorin Andrieux, Paris, France.

246069 to 246071. Red.

246069. No. 57014. 'Rouge Fence Hatif'.

246070. No. 57015. 'Rouge Tete-de-Negre'.

246071. No. 57016. 'Rouge Gros'.

246072 to 246083. Savoy.

246072. No. 57029. 'Pointu perce-Neige'.

246073. No. 57030. 'Coeur-de-boeuf Frise'.

246074. No. 57031. 'Tete-de-fer'.

246075. No. 57032. 'Tardif de Mars'.

246076. No. 57033. 'Petit Hatif de Dieppe'.

246077. No. 57034. 'Court Hatif'.

246078. No. 57035. 'Tres Hatif de la Saint-Jean'.

246079. No. 57036. 'Hatif d'Aubervilliers'.

246080. No. 57037. 'Gros des Vertus'.

246081. No. 57038. 'De Lorient'.

246082. No. 57039. 'De Pontoise'.

246083. No. 57040. 'Roi-de l'hiver'.

246084 to 246105. From Bundessortenamt, Rethmar, Germany.

246084 to 246089. Red.

246084. No. 58001. 'Erstrot GSG'. Marne.

246085. No. 58002. 'Marner Fruhrot GZG'. Marne.

246086. No. 58003. 'Dieners Fruhrotkohl'.

246087. No. 58004. 'Sommerrot GZG'. Marne.

246088. No. 58005. 'Mohrenkopf'.

246089. No. 58006. 'Dauerrot GZG'. Marne.

246090 to 246105. Savoy.

246090. No. 58001. 'Fischenicher Advent'.

246091. No. 58002. 'Endenicher Advent'.

246092. No. 58003. 'Sannmanns Ochsenwerder Fruher'.

246093. No. 58004. 'Fruhwirsing Praeco HKZ'.

246094. No. 58005. 'Vorbote'.

246095. No. 58006. 'Fruhkopf GZG'. Marne.
 246096. No. 58007. 'Sommerwirsing GZG'. Marne.
 246097. No. 58008. 'Hammer'.
 246098. No. 58009. 'Dr. Neurers Gruner'.
 246099. No. 58010. 'Schupps Winterfeldwirsing'.
 246100. No. 58011. 'Heuers Calenberger' (dark green).
 246101. No. 58012. 'Blaugruner Winter'.
 246102. No. 58013. 'Friedberger'.
 246103. No. 58014. 'Vertus'.
 246104. No. 58015. 'Ditmarscher Herbst'.
 246105. No. 58016. 'Dauerwirsing'.

246106 to 246119. From West Friesland, Wijdenes.

246106 to 246109. Red Original 'Volggroeide Kolen'.

246106. No. 58008. 'Langendijker Vroege'.
 246107. No. 58009. 'Langendijker Herfst'.
 246108. No. 58010. 'Langerdijker Bewaar'.
 246109. No. 58011. 'Zenith'.

246110 to 246119. Savoy. Original 'Van Volggroeide Kolen'.

246110. No. 58017. 'Bonner Advent'.
 246111. No. 58018. 'Eisenkopf'.
 246112. No. 58019. 'Pontoise'.
 246113. No. 58020. 'Vertus'.
 246114. No. 58021. 'Langendijker Vroege Herfstgroene'.
 246115. No. 58022. 'Late Herfstgroene'.
 246116. No. 58023. 'Winterkoning'.
 246117. No. 58024. 'Groene Putjes'.
 246118. No. 58025. 'Bloemendaalse Gele'.
 246119. No. 58026. 'Langendijker Gele Bewaar'.

246120. *OXYTENANTHERA ABYSSINICA* (A. Rich.) Munro Poaceae.

From Nyasaland. Seeds presented by the Agricultural Department, Zomba.
 Received February 25, 1958.

When young, seeds almost every year; when mature, seldom produces seeds.

246121. *CENTROSEMA VIRGINIANUM* (L.) Benth. Fabaceae.

From the United States. Seeds presented by B. Y. Morrison, Pass Christian, Mississippi. Received February 25, 1958.

246122. *FLEMINGIA MACROPHYLLA* (Willd.) Kuntze. Fabaceae.

From Malaya. Seeds presented by the Department of Agriculture, Federation of Malaya, Kuala Lumpur. Received February 25, 1958.

246123. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

From Mexico. Seeds held at the Regional Plant Introduction Station, Experiment, Georgia. Numbered February 27, 1958.

'Chile Excuchito'. Collected about 1935 at La Cienega, Oaxaca.

Highly resistant to nematodes.

246124. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

From Libya. Seeds presented by the United States Operations Mission, Tripoli.
 Received February 28, 1958.

Superior to American varieties in comparative tests at Vocational Agricultural School in Libya. Withstands close cutting and cultural practices in common use in Libya.

246125 to 246128.

From the Belgian Congo. Collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 25, 1958.

All from Forest Reserve, Institut National pour l'Etude Agronomique du Congo Belge Station, Yangambi.

246125. *CITROPSIS ARTICULATA* (Willd.) Swing. & M. Kell. Rutaceae.

Col. No. 21065. Small tree or shrub; spiny rachis of leaf strongly alate. (Scions.)

246126. *CITROPSIS GABUNENSIS* (Engl.) Swing. & M. Kell.

Col. No. 21066. Small, spiny tree or shrub; petiole not strongly alate. (Scions.)

246127. *CYNOMETRA CAULIFLORA* L. Caesalpiniaceae.

Col. No. 21077. Pods edible. (Seed.)

246128. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae.

Sweetpotato.

Col. No. 21073. Ground covering vine, producing thickened roots above ground; flesh pale yellow. (Tubers.)

246129 to 246132.

From Madagascar. Seeds presented by Agnes England, American Mission, Fort Dauphin. Received Feb. 25, 1958.

246129. *DOLICHOS LABLAB* L. Fabaceae.

Hyacinth-bean.

246130. *PHASEOLUS AUREUS* Roxb. Fabaceae.

Mung bean.

246131 and 246132. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

Common cowpea.

246131. 'Balioka II'.

246132. 'Makhafaly'.

246133 and 246134.

From France. Seedlings presented by Le Page & Company, Angers. Received February 25, 1958.

246133. *PYRUS BETULAEFOLIA* Bunge Malaceae.

Birchleaf pear.

246134. *PYRUS COMMUNIS* L.

Common pear.

246135 to 246330.

From Great Britain. Plants presented by the Royal Botanic Garden, Edinburgh, Scotland. Received December 10, 1957. Numbered February 25, 1958.

245135 and 246136. *VIBURNUM ATROCYANEUM* C. B. Clarke Caprifoliaceae.

246135. No. 1336. Royal Botanic Garden, Kew, England.

246136. No. 1337. Royal Botanic Garden, Edinburgh, Scotland.

246137 to 246155. *VIBURNUM BETULIFOLIUM* Batal.

246137. No. 1338. Nymans Garden, Handcross, Sussex, England.

246138. No. 1339. Nymans Garden, Handcross, Sussex, England.

246139. No. 1340. The Gardens, Wakehurst, Ardingly, Sussex, England.

246140. No. 1341. The Gardens, Wakehurst, Ardingly, Sussex, England.

246141. No. 1342. Hillier & Sons, Winchester, England.

246142. No. 1343. Hillier & Sons, Winchester, England.

246143. No. 1344. Nymans Garden, Handcross, Sussex, England.
 246144. No. 1345. Nymans Garden, Handcross, Sussex, England.
 246145. No. 1346. Royal Botanic Garden, Kew, England.
 246146. No. 1347. National Botanic Garden, Dublin, Ireland, ex Wilson W238A.
 246147. No. 1348. Royal Botanic Garden, Edinburgh, Scotland, ex Forest F10575.
 246148. No. 1349. Royal Botanic Garden, Edinburgh, Scotland, ex Farrer 367.
 246149. No. 1350. Royal Botanic Garden, Edinburgh, Scotland, ex Farrer 367.
 246150. No. 1572. Hillier & Sons, Winchester, England.
 246151. No. 1573. E. H. M. Cox, Glendoick, Perth, Scotland.
 246152. No. 1351. 'Aurantiacum'. Royal Botanic Garden, Edinburgh, Scotland.
 246153 to 246155.
 246153. No. 1353. Birch Farm Nursery, Gravetye, East Grinstead, Sussex, England.
 246154. No. 1354. Royal Botanic Garden, Kew, England.
 246155. No. 1355. Royal Botanic Garden, Edinburgh, Scotland.
 246156. *VIBURNUM* × *BODNANTENSE* Aberc.
 No. 1357. (*V. fragrans* × *V. grandiflorum*). 'Dawn'. Bodnant, Tal-y-Cafn. Denbigshire, N. Wales.
 246157. *VIBURNUM* *BRACTEATUM* Rehd.
 No. 1358. Royal Botanic Garden, Kew, England.
 246158. *VIBURNUM* *BREVIPIES* Rehd.
 No. 1359. Royal Botanic Garden, Edinburgh, Scotland.
 246159. *VIBURNUM* *BUDDLEIFOLIUM* C. H. Wright **Woolly viburnum.**
 No. 1360. Exbury Gardens, Exbury, Hampshire, England.
 246160. *VIBURNUM* *BUREJAETICUM* Regel & Herd. **Manchurian viburnum.**
 No. 1362. Royal Botanic Garden, Edinburgh, Scotland.
 246161 and 246162. *VIBURNUM* × *BURKWOODII* Burkwood & Skipwith
 246161. No. 1363. C. W. Christie-Miller, Henley-on-Thames, Oxford, England. (*V. carlesii* × *V. utile*).
 246162. No. 1364. C. W. Christi-Miller, Henley-on-Thames, Oxford, England.
 246163 to 246165. *VIBURNUM* *CARLESII* Hemsl. **Fragrant viburnum.**
 246163. No. 1366. Myddelton House, Enfield, Herts, England.
 246164. No. 1367. Kiftsgate Court, Campden, Glossop, England. (Seed from Formosa).
 246165. No. 1368. Royal Botanic Garden, Edinburgh, Scotland.
 246166. *VIBURNUM* × *CHENAULTII* Chen.
 No. 1371. (*V. carlesii* × *V. macrocephalum*). Royal Botanic Garden, Kew, England.
 246167 and 246168. *VIBURNUM* *CINNAMOMIFOLIUM* Rehd.
 246167. No. 1373. Oxford Botanic Garden, Oxford Univ., England.
 246168. No. 1374. The Gardens, Wakehurst, Ardingly, Sussex, England.

246169 to 246172. *VIBURNUM COTINIFOLIUM* D. Don.

246169. No. 1379. Borde Hill, Haywards Heath, Sussex, England.

246170. No. 1380. The Gardens, Wakehurst, Ardingly, Sussex, England.

246171. No. 1381. Royal Botanic Garden, Kew, England.

246172. No. 1383. Royal Botanic Garden, Edinburgh, Scotland.

246173 and 246174. *VIBURNUM CYLINDRICUM* Hamilt.

246173. No. 1384. Exbury Gardens, Exbury, Hampshire, England.

246174. No. 1385. Royal Botanic Garden, Edinburgh, Scotland.

246175 to 246177. *VIBURNUM DASYANTHUM* Rehder

246175. No. 1386. Royal Botanic Garden, Edinburgh, Scotland.

246176. No. 1387. Royal Botanic Garden, Edinburgh, Scotland.

246177. No. 1389. Royal Botanic Garden, Edinburgh, Scotland, ex Wilson W467.

246178 to 246181. *VIBURNUM DAVIDII* Franch.

246178. No. 1390. Royal Botanic Garden, Edinburgh, Scotland.

246179. No. 1391. The Gardens, Wakehurst, Ardingly, Sussex, England.

246180. No. 1392. 'Femina'. National Botanic Garden, Dublin, Ireland.

246181. No. 1393. 'Femina'. Royal Botanic Garden, Edinburgh, Scotland.

246182 and 246183. *VIBURNUM DILATATUM* Thunb.

Linden viburnum.

246182. No. 1394. Royal Horticultural Society Garden, Wisley, England.

246183. No. 1395. Exbury Gardens, Exbury, Hampshire, England.

246184 and 246185. *VIBURNUM EROSUM* Thunb.

246184. No. 1398. Royal Botanic Garden, Edinburgh, Scotland, ex Yii 15163.

246185. No. 1399. Royal Botanic Garden, Edinburgh, Scotland.

246186. *VIBURNUM EROSUM* var. *TAQUETII* (Levl.) Rehd.

No. 1400. Royal Botanic Garden, Edinburgh, Scotland.

246187 to 246189. *VIBURNUM ERUBESCENS* Wall. ex DC.

246187. No. 1403. Borde Hill, Haywards Heath, Sussex, England.

246188. No. 1404. Exbury Gardens, Exbury, Hampshire, England.

246189. No. 1575. Hillier & Sons, Winchester, England.

246190 and 246191. *VIBURNUM FLAVESCENS* W. W. Smith

246190. No. 1406. Royal Horticultural Society Garden, Wisley, England.

246191. No. 1407. Royal Botanic Garden, Edinburgh, Scotland.

246192. *VIBURNUM FOETENS* Decne.

No. 1571. Norman G. Hadden, Underway, W. Porlock, Somerset, England.

246193 to 246196. *VIBURNUM FOETIDUM* Wall.

246193. No. 1410. The Gardens, Wakehurst, Ardingly, Sussex, England.

246194. No. 1411. Exbury Gardens, Exbury, Hampshire, England.

246195. No. 1412. Exbury Gardens, Exbury, Hampshire, England.

246196. No. 1414. Myddelton House, Enfield, Herts, England.

246197 to 246203. *VIBURNUM FRAGRANS* Bunge

246197. No. 1415. Myddelton House, Enfield, Herts, England.

246198. No. 1416. Myddelton House, Enfield, Herts, England.

246199. No. 1417. Nymans Garden, Handcross, Haywards Heath, Sussex, England.

246200. No. 1418. Borde Hill, Haywards Heath, Sussex, England.
246201. No. 1420. Royal Botanic Garden, Edinburgh, Scotland.
246202. No. 1421. Collingwood Ingram, Kent, England.
246203. No. 1422. 'Roseum'. Geo. Jackman & Son, Woking, Surrey, England.
- 246204 to 246206. *VIBURNUM GRANDIFLORUM* Wall.
246204. No. 1426. Crown Estate Office, Windsor Great Park, Windsor, Berks, England.
246205. No. 1427. Bodnant, Tal-y-Cafn, Denbigshire, N. Wales.
246206. No. 1576. R. C. Notcutts, Ltd., Woodbridge, Suffolk, England.
- 246207 and 246208. *VIBURNUM HARRYANUM* Rehd.
246207. No. 1432. Exbury Gardens, Exbury, Hants, England.
246208. No. 1433. Exbury Gardens, Exbury, Hampshire, England.
- 246209 to 246216. *VIBURNUM HENRYI* Hemsl.
246209. No. 1434. Cambridge Botanical Garden, Cambridge, England.
246210. No. 1435. Borde Hill, Haywards Heath, Sussex, England.
246211. No. 1436. Borde Hill, Haywards Heath, Sussex, England.
246212. No. 1437. The Gardens, Wakehurst, Ardingly, Sussex, England.
246213. No. 1438. The Gardens, Wakehurst, Ardingly, Sussex, England.
246214. No. 1439. The Gardens, Wakehurst, Ardingly, Sussex, England.
246215. No. 1440. The Gardens, Wakehurst, Ardingly, Sussex, England.
246216. No. 1441. National Botanic Garden, Dublin, Ireland.
246217. *VIBURNUM* sp.
- No. 1442. (*V. henryi* × *V. crubescens*). 'Winton'. Hillier & Sons, Winchester, England.
- 246218 and 246219. *VIBURNUM HUPEHENSE* Rehd. **Hupeh viburnum.**
246218. No. 1443. The Gardens, Wakehurst, Ardingly, Sussex, England.
246219. No. 1577. Hillier & Sons, Winchester, England.
- 246220 to 246223. *VIBURNUM ICHANGENSE* (Hemsl.) Rehd.
246220. No. 1447. Royal Horticultural Society Garden, Wisley, England.
246221. No. 1448. C. W. Christi-Miller, Henley-on-Thames, Oxford, England.
246222. No. 1449. Royal Botanic Garden, Edinburgh, Scotland, ex Wilson W221.
246223. No. 1450. Royal Botanic Garden, Edinburgh, Scotland.
246224. *VIBURNUM JAPONICUM* (Thunb.) Spreng.
- No. 1451. The Gardens, Wakehurst, Ardingly, Sussex, England.
- 246225 to 246228. *VIBURNUM KANSUENSE* Batal.
246225. No. 1452. Royal Horticultural Society Garden, Wisley, England.
246226. No. 1453. Crown Estate Office, Windsor Great Park, Windsor, Berks, England, ex Ludlow & Sheriff 13248.
246227. No. 1454. Knightshays, Tiverton, Cornwall, England. Berks, England, ex Ludlow & Sheriff 15800.
246228. No. 1455. Knightshays, Tiverton, Cornwall, England.
- 246229 to 246241. *VIBURNUM PLICATUM*. Thunb. **Wayfaring-tree.**
246229. No. 1456. Kenneth Beckett, Brighton, Sussex, England.
246230. No. 1457. Kenneth Beckett, Brighton, Sussex, England.

246231. No. 1460. Kenneth Beckett, Brighton, Sussex, England.
 246232. No. 1461. Kenneth Beckett, Brighton, Sussex, England.
 246233. No. 1462. Kenneth Beckett, Brighton, Sussex, England.
 246234. No. 1463. Kenneth Beckett, Brighton, Sussex, England.
 246235. No. 1465. Kenneth Beckett, Brighton, Sussex, England.
 246236. No. 1466. Kenneth Beckett, Brighton, Sussex, England.
 246237. No. 1467. Royal Botanic Garden, Edinburgh, Scotland.
 246238. No. 1468. Royal Botanic Garden, Edinburgh, Scotland.
 246239. No. 1578. 'Macrophyllum'. Royal Botanic Garden, Kew, England
 246240. No. 1469. Royal Botanic Garden, Kew, England.
 246241. No. 1470. Royal Botanic Garden, Edinburgh, Scotland.
 246242. *VIBURNUM* × *RHYTIDOPHYLLOIDES* Suringer
 No. 1471. (*V. rhytodophyllum* × *V. lantana*). National Botanic Garden,
 Dublin, Ireland.
 246243 to 246246. *VIBURNUM LOBOPHYLLUM* Graebn.
 246243. No. 1472. Hillier & Sons, Winchester, England.
 246244. No. 1473. Exbury Garden, Exbury, Hampshire, England.
 246245. No. 1474. Royal Botanic Garden, Edinburgh, Scotland, ex Kingdom
 Ward, K. W. 4125.
 246246. No. 1475. Royal Botanic Garden, Edinburgh, Scotland, ex Hers
 2781.
 246247. *VIBURNUM MOLLE* Michx.
 No. 1478. Royal Botanic Garden, Edinburgh, Scotland.
 246248. *VIBURNUM MONGOLICUM* (Pall.) Rehd.
 No. 1479. Cambridge Botanic Garden, Cambridge University, England.
 246249. *VIBURNUM NUDUM* L.
 No. 1481. National Botanic Garden, Dublin, Ireland.
 246250 and 246251. *VIBURNUM ODORATISSIMUM* Ker-Gawl. **Sweet viburnum.**
 246250. No. 1482. Cambridge Botanic Garden, Cambridge University,
 England.
 246251. No. 1569. Exbury Gardens, Exbury, Hampshire, England.
 246252 to 246257. *VIBURNUM OPULUS* L. **European cranberrybush.**
 246252. No. 1579. Kenneth Beckett, Brighton, Sussex, England.
 246253. No. 1483. 'Aureum'. Royal Botanic Garden, Edinburgh, Scotland.
 246254. No. 1485. 'Compactum'. Geo. Jackman & Son, Woking, Surrey,
 England.
 246255. No. 1486. Geo. Jackman & Son, Woking, Surrey, England.
 246256. No. 1487. 'Nanum'. Royal Botanic Garden, Kew, England.
 246257. No. 1484. 'Xanthocarpum'. Royal Botanic Garden, Edinburgh,
 Scotland.
 246258. *VIBURNUM* (hybrid).
 No. 1365. 'Park Farm Hybrid'. Royal Botanic Garden, Edinburgh,
 Scotland.
 246259. *VIBURNUM EDULE* (Michx.) Raf.
 No. 1490. The Gardens, Wakehurst, Sussex, England.
 246260. *VIBURNUM PARVIFOLIUM* Hayata
 No. 1480. Royal Horticultural Society Garden, Wisely, England.

- 246261 and 246262. *VIBURNUM PLICATUM* Thunb. **Japanese snowball.**
 246261. No. 1491. Mount Usher, Ashford, Ireland.
 246262. No. 1492. Royal Botanic Garden, Edinburgh, Scotland.
- 246263 to 246268. *VIBURNUM PLICATUM* f. *TOMENTOSUM* (Thunb.) Rehd.
 246263. No. 1495. Nymans Garden, Handcross, Haywards Heath, Sussex, England.
 246264. No. 1496. Nymans Garden, Handcross, Haywards Heath, Sussex, England.
 246265. No. 1497. Exbury Gardens, Exbury, Hampshire, England.
 246266. No. 1523. 'Lanarth'. National Botanic Garden, Dublin, Ireland.
 246267. No. 1527. 'Rowallane'. Rowallane, Saintfield, N. Ireland.
 246268. No. 1568. 'Rowallane'. Rowallane, Saintfield, N. Ireland.
246269. *VIBURNUM PROPINQUUM* Hemsl.
 No. 1498. 'Lanceolatum' Hillier & Sons, Winchester, England.
246270. *VIBURNUM DENTATUM* L.
 No. 1499. Royal Botanic Garden, Kew, England.
246271. *VIBURNUM* × *RHYTIDOPHYLLOIDES* Suringer
 No. 1500. (*V. rhytidophyllum* × *V. lantana*). Royal Botanic Garden, Kew, England.
- 246272 to 246278. *VIBURNUM RHYTIDOPHYLLUM* Hemsl. **Leatherleaf viburnum.**
 246272. No. 1501. Myddelton House, Enfield, Herts, England.
 246273. No. 1502. Myddelton House, Enfield, Herts, England.
 246274. No. 1503. The Gardens, Wakehurst, Ardingly, Sussex, England.
 246275. No. 1504. Exbury Gardens, Exbury, Hampshire, England.
 246276. No. 1505. Royal Botanic Garden, Edinburgh, Scotland.
 246277. No. 1580. Crathes Castle, Crathes, Kincaidineshire, Scotland.
 246278. No. 1506. Borde Hill, Haywards Heath, Sussex, England.
- 246279 and 246280. *VIBURNUM SARGENTII* Koehne **Sargent cranberrybush.**
 246279. No. 1508. Myddelton House, Enfield, Herts, England.
 246280. No. 1509. Royal Botanic Garden, Edinburgh, Scotland, ex Wilson W281.
246281. *VIBURNUM SCHENSIAANUM* Maxim.
 No. 1510. Royal Botanic Garden, Kew, England.
- 246282 and 246283. *VIBURNUM SIEBOLDI* Miquel **Siebold viburnum.**
 246282. No. 1511. The Gardens, Wakehurst, Ardingly, Sussex, England.
 246283. No. 1512. Royal Botanic Garden, Edinburgh, Scotland.
- 246284 and 246285. *VIBURNUM STELLULATUM* Wall. ex DC.
 246284. No. 1514. National Botanic Garden, Dublin, Ireland.
 246285. No. 1515. Royal Botanic Garden, Edinburgh, Scotland.
- 246286 to 246289. *VIBURNUM TINUS* L. **Laurustinus.**
 246286. No. 1476. Nymans Garden, Handcross, Haywards Heath, Sussex, England.
 246287. No. 1567. Malahide Castle, Ireland.
 246288. No. 1583. Hillier & Sons, Winchester, England.
 246289. No. 1517. 'Roseum'. Geo. Jackman & Son, Woking, Surrey, England.

- 246290 to 246293. *VIBURNUM PLICATUM* Thunb. **Japanese snowball.**
 246290. No. 1518. National Botanic Garden, Dublin, Ireland, ex Wilson W234A.
 246291. No. 1519. Myddelton House, Enfield, Herts, England.
 246292. No. 1520. National Botanic Garden, Dublin, Ireland, ex Wilson W231.
 246293. No. 1521. Royal Botanic Garden, Edinburgh, Scotland.
- 246294 to 246296. *VIBURNUM UTILE* Hemsl. **Service viburnum.**
 246294. No. 1528. Borde Hill, Haywards Heath, Sussex, England.
 246295. No. 1529. The Gardens, Wakehurst, Ardingly, Sussex, England.
 246296. No. 1530. Royal Botanic Garden, Edinburgh, Scotland.
- 246297 to 246300. *VIBURNUM VEITCHII* C. H. Wright **Veitch viburnum.**
 246297. No. 1557. Exbury Gardens, Exbury, Hampshire, England.
 246298. No. 1558. Royal Botanic Garden, Kew, England, ex Wilson 1742.
 246299. No. 1560. National Botanic Garden, Dublin, Ireland, ex Wilson W1288.
 246300. No. 1561. Royal Botanic Garden, Edinburgh, Scotland, ex Wilson W1288.
- 246301 and 246302. *VIBURNUM* × *VETTERI* Zabel
 (*V. lentago* × *V. nudum*).
 246301. No. 1555. Cambridge Botanic Garden, Cambridge, England.
 246302. No. 1556. The Gardens, Wakehurst, Ardingly, Sussex, England.
246303. *VIBURNUM WILSONII* Rehd.
 No. 1562. Royal Botanic Garden, Edinburgh, Scotland.
- 246304 and 246305. *VIBURNUM WRIGHTII* Miquel **Wright viburnum.**
 246304. No. 1563. The Gardens, Wakehurst, Ardingly, Sussex, England.
 246305. No. 1565. Royal Botanic Garden, Edinburgh, Scotland.
246306. *VIBURNUM* sp.
 No. 1405. 'F'. National Botanic Garden, Dublin, Ireland.
246307. *VIBURNUM* sp.
 No. 1431. Royal Botanic Garden, Kew, England.
246308. *VIBURNUM* sp.
 No. 1532. The Gardens, Wakehurst, Ardingly, Sussex, England.
246309. *VIBURNUM* sp.
 No. 1534. C. W. Christi-Miller, Henley-on-Thames, Oxford, England, ex Forrest F24725.
246310. *VIBURNUM* sp.
 No. 1535. Hillier & Sons, Winchester, England.
246311. *VIBURNUM* sp.
 No. 1536. Hillier & Sons, Winchester, England.
246312. *VIBURNUM* sp.
 No. 1537. Exbury Gardens, Exbury, Hampshire, England.
246313. *VIBURNUM* sp.
 No. 1538. Exbury Gardens, Exbury, Hampshire, England.
246314. *VIBURNUM* sp.
 No. 1539. Exbury Gardens, Exbury, Hampshire, England.

246315. VIBURNUM sp.

No. 1540. Royal Botanic Garden, Kew, England.

246316. VIBURNUM sp.

No. 1542. Royal Botanic Garden, Kew, England.

246317. VIBURNUM sp.

No. 1543. National Botanic Garden, Dublin, Ireland, ex Purdom 890.

246318. VIBURNUM sp.

No. 1544. National Botanic Garden, Dublin, Ireland, ex Wilson W1302.

246319. VIBURNUM sp.

No. 1545. Royal Botanic Garden, Edinburgh, Scotland.

246320. VIBURNUM sp.

No. 1546. Royal Botanic Garden, Edinburgh, Scotland, ex Yii 13446.

246321. VIBURNUM sp.

No. 1548. Royal Botanic Garden, Edinburgh, Scotland, ex Yii 13541.

246322. VIBURNUM sp.

No. 1549. Royal Botanic Garden, Edinburgh, Scotland.

246323. VIBURNUM sp.

No. 1551. Royal Botanic Garden, Edinburgh, Scotland, ex Yii 15024.

246324. VIBURNUM sp.

No. 1552. Royal Botanic Garden, Edinburgh, Scotland.

246325. VIBURNUM sp.

No. 1553. Royal Botanic Garden, Edinburgh, Scotland, ex Ludlow & Sherriff 19673.

246326. VIBURNUM sp.

No. 1554. Royal Botanic Garden, Edinburgh, Scotland.

246327. VIBURNUM sp.

No. 1574. Royal Botanic Garden, Edinburgh, Scotland.

246328. VIBURNUM sp.

No. 1584. Royal Botanic Garden, Edinburgh, Scotland, ex Rock W15898.

246329. VIBURNUM sp.

No. 1334. 'Anna Russell'. L. R. Russell, Ltd., Richmond Nursery, Windlesham, Surrey, England.

246330. VIBURNUM sp.

No. 1333. Royal Botanic Garden, Edinburgh, Scotland.

246331. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.

From Ceylon. Seed presented by the Distributors and Carriers Corporation, Jaffna. Received April 28, 1958.

'G-2 Deva'. Has high degree of resistance to bacterial leafspot.

246332. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Brazil. Seeds presented by the Specialist in Crop Introduction and Diversification, Cerro Largo, Rio Grande do Sul. Received April 28, 1958.

IA-38, Dwarf type developed by the Instituto Agronomico de Campinas, Sao Paulo.

246333. APIUM GRAVEOLENS L. Apiaceae. Celery.

From Switzerland. Seeds presented by M. J. Delacretaz, Plan-les-Quates, Geneva. Received April 28, 1958.

246334. BOTHRIOCHLOA INSCULPTA (Hochst.) A. Camus Poaceae.

From Kenya. Seeds presented by the Senior Pasture Research Officer, Kitale. Received April 28, 1958.

246335. CITROPSIS GABUNENSIS (Engl.) Swing. & M. Kell.

Rutaceae.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, Crops Research Division, Beltsville, Md. Received February 26, 1958.

Col. No. 21067. Forest Reserve, Indian National pour l'Etude Agronomique du Congo Belge Station, Yangambi. Small tree or shrub; fruits green, to 3.5 cm., contains 1 to 3 seeds with a quantity of gummy substance.

246336 to 246344.

From the United States. Plants growing at the United States Plant Introduction Station, Chico, California. Numbered February 26, 1958.

The location symbol indicates the orchard letter, row letter or number and tree number.

246336 and 246337. PISTACIA ATLANTICA Desf. Anacardiaceae.

Mount Atlas pistachio.

246336. Seedling selection from 0-5-27. Seedling progeny of pistache nut rootstock.

246337. Seedling selection from 0-1-22, 25, 26.

246338 and 246339. PISTACIA INTEGERRIMA Stewart ex Brandis

Himalayan pistachio.

246338. Seedling selection from P.I. 107621. 0-31-24.

246339. Male seedling selection from 0-31-1 (referred to in previous publications as No. 14).

246340. PISTACIA (hybrid).

(*P. mutica* × *P. chinensis*) Seedling selection from 0-32-27. Seedlings progeny are under test as pistache nut rootstocks.

246341 to 246343. PISTACIA TEREBINTHUS L.

False terebinth.

246341. Seedling selection from P.I. 8521, K-E-2. Seedling progeny are under test as pistache nut rootstocks.

246342. Seedling selection from P.I. 8521, K-E-3. Seedling progeny are under test as pistache nut rootstocks.

246343. Male seedling selection from P.I. 8521, K-D-3. Male parent of seedling progeny of P.I. 246341 or P.I. 246342.

246344. PISTACIA VERA L.

Common pistachio.

'Peters', a male seedling selection, an excellent pollinizer of the early blossoming varieties 'Red Aleppo', 'Trabonella', 'Bronte', and 'Sfax'.

246345 to 246350.

From the Netherlands. Plants and cuttings presented by the Stichting Tuinbouw Proef-en Selectiebedrijf, Hertogenbosch. Received Feb. 27, 1958.

246345 to 246348. FRAGARIA (hybrids). Rosaceae.

Strawberry.

246345. 'Jucunda'. Plant vigorous; fruit conical, brick red, solid, size average, pulp white, readily separated from the calyx. Very productive and resistant to *Botrytis cinerea*.

246346. No. 96A. ('Jucunda' × 'Ville de Paris').

246347. No. 135. ('Jucunda' × 'Klondike').

246348. No. 138. ('Jucunda' × 'Auchincruive Climax').

246349 and 246350. *RUBUS IDAEUS* L. Rosaceae. **European raspberry.**

246349. 'Andraea'. Stems unforked, firm, rather short, in winter very dark brown; fruits firm; flesh red.

246350. No. C-8. Stems unforked, firm, long, light brown in winter; fruits firm, dark-red; juice dark-red.

246351 to 246354.

From Kenya. Seeds presented by the Kenya Seed Company, Ltd., Kitale. Received Feb. 28, 1958.

246351 and 246352. *CHLORIS GAYANA* Kunth Poaceae. **Rhodesgrass.**

246351. 'Mbara'.

246352. 'Nzoia'.

246353. *SETARIA SPHACELATA* (Schum.) Stapf and Hubb. ex M. B. Moss Poaceae.

'Nandi'.

Millet.

246354. *TRIFOLIUM RUPPELLIANUM* Fresen. Fabaceae.

Kenya clover.

'Kenya White'.

246355. *ARACHIS BENTHAMII* Handro Fabaceae.

Peanut.

From Brazil. Seeds presented by the Instituto de Botanica, Sao Paulo. Received March 3, 1958.

246356. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

From Germany. Seeds presented by the United States Embassy, Bonn, Bad Godesberg. Received March 3, 1958.

Originally from County Tauberbischofsheim in northern Baden.

'Franconian'.

246357 and 246358. *POPULUS NIGRA* var. *ITALICA* Muenchh.

Salicaceae.

Lombardy poplar.

From Czechoslovakia. Clones presented by the Czechoslovakia Academy of Agricultural Sciences, Research Institute of Forestry and Wildlife Management, Zbraslav. Received March 4, 1958.

246357. Clone 10061.

246358. Clone 10062.

246359 and 246360.

From India. Seeds presented by the Director, Sugarcane Breeding Institute, Coimbatore. Received March 4, 1958.

246359. *SACCHARUM PORPHYROCOMUM* (Hance) Hack. Poaceae. **Sugarcane.**

246360. *SCLEROSTACHYA FUSCA* (Roxb.) A. Camus Poaceae.

246361 and 246362. *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

From Great Britain. Scions Presented by the East Malling Research Station, East Malling, Kent, England. Received March 4, 1958.

246361. 'Dove'. Tree moderately vigorous, preferring fertile soil; very late-blossoming; harvested in midseason; bittersweet cider type.

246362. 'Reine des Pommès'. Late variety.

246363 and 246364. *PRUNUS AVIUM* L. Amygdalaceae.

Sweet cherry.

From New Zealand. Budwood presented by an unknown donor. Received March 5, 1958.

246363. 'Dawson'.

246364. 'Mahaleb'.

246365 to 246369. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seeds presented by the Agricultural Experiment Station, Miyagi Prefecture, Sendai City. Received March 5, 1958.

246365. 'Iwate'. (1956).

246368. 'Tsurunotomo No. 1'.

246366. 'Kinsei No. 1'.

246369. 'Ugo'.

246367. 'Shimoda Shitachi'.

246370 to 246375.

From Greece. Scions presented by the Superior School of Agriculture, Athens. Received March 6, 1958.

246370. *OLEA EUROPAEA* L. Oleaceae.

Common olive.

'Konservalia Amphissis'.

246371. *PISTACIA TEREBINTHUS* L. Anacardiaceae.

False terebinth.

246372 to 246375. *PISTACIA VERA* L.

Common pistachio.

246372. Male.

246374. Female.

246373. Male.

246375. Male.

246376 to 246387.

From the Belgian Congo. Seed collected by Louis Williams and Norris Gilbert, plant explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 7, 1958.

Collected at the Essais de la Mission de Kisantu.

246376. *ANDROPOGON HUILLENSIS* Rendle Poaceae.

Bluestem.

Col. No. 21051. Caespitose perennial to 6 feet high; rhizome short, oblique. Found in meadows and damp pastures.

246377. *CASSIA ALATA* L. Caesalpinaceae.

Ringworm cassia.

Col. No. 21049. Shrub to 6 feet high; flowers yellow.

246378. *CASSIA* sp.

Col. No. 21038. Plant to 12 inches high; abundant annual on sandy soil; flowers yellow, used for fodder. Elevation 1,200 feet.

246379. *CASSIA OCCIDENTALIS* L.

Senna.

Col. No. 21039. Annual to 20 inches high; used as fodder. Elevation 1,500 feet.

246380. *CROTALARIA AXILLARIS* Ait. Fabaceae.

Col. No. 21052. Dry garden, shrub to 9 feet high.

246381. *CROTALARIA* sp.

Col. No. 21037. Abundant in sandy soil. Annual to 20 inches high. Elevation 1,500 feet.

246382. *INDIGOFERA* sp. Fabaceae.

Col. No. 21031. Annual to 3 feet high; fruiting pods abundant.

246383 to 246385. *SESAMUM ANGOLENSE* Welw. Pedaliaceae.

246383. Col. No. 21010. Sandy soil perennial to 4 feet high; flowers lavender; seeds brown and black.

246384. Col. No. 21011. Soil sandy. Perennial to 4 feet high; flowers white.

246385. Col. No. 21040. Soil sandy. Perennial to 3 feet high; flowers purple, shatter easily.

246386. *SESAMUM INDICUM* L.

Sesame.

Col. No. 21055. Cultivated.

246387. URENA LOBATA L. Malvaceae.

Col. No. 21041. Soil sandy. Abundant shrub or herb to 3 feet high; flowers purple; bark and stems with strong fiber; no pests apparent.

Elevation 1,500 feet.

246388 to 246391. ARACHIS HYPOGAEA L. Fabaceae.**Common peanut.**

From the Union of South Africa. Seeds presented by the Oilseed Control Board, Pretoria, Transvaal. Received March 7, 1958.

246388. 'Kaboka Tjina'.

246390. Type 24. Testa white.

246389. 'Natal common'.

246391. No. 52 G 1206.

246392. BETA sp. Chenopodiaceae.

From the Azores. Seeds presented by the Delegacao de Ponta Delgada, St. Michael. Received March 7, 1958.

246393. HIEROCHLOE REDOLENS (Vahl.) Roem. & Schult. Poaceae.

From Australia. Seed presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 7, 1958.

Originally from Snowy Flat, Australian Commonwealth Territory. Perennial to 3 feet high; stems tufted, erect; leaves flat, rigid; panicle dense. Elevation 5,000 feet. Has cummarin odor and is native to the Australian Alps, New Zealand and America.

246394 and 246395.

From Mexico. Seeds collected by Bernice G. Schubert, agricultural explorer, Plant Introduction Section, New Crops Research Branch, Beltsville, Md. Received March 7, 1958.

246394. DIOSCOREA sp. Dioscoreaceae.

Col. No. 1684. Roadside rocky bank, Ixtun, Merida-Campeche road, Vine in fruit; capsules grayish, slender, acuminate at apex and base.

246395. DIOSCOREA sp.

Col. No. 1685. Rocky roadside bank, Ixtun, Merida-Campeche road. Vine in fruit; capsules grayish, slender, acuminate at apex and base.

246396. CICER ARIETINUM L. Fabaceae.**Chickpea.**

From India. Seeds presented by the Division of Mycology, Indian Agricultural Research Institute, New Delhi. Received March 7, 1958.

G. 24. Grown at Ferozepore, Punjab.

246397. ZIZANIA AQUATICA L. Poaceae.**Northern wildrice.**

From China. Plants presented by C. C. Hsu, Taipei, Taiwan. Received March 7, 1958.

246398 to 246401.

From Great Britain. Plants presented by F. A. McClure, Smithsonian Institution, Washington, D.C. Received March 10, 1958.

246398. ARUNDINARIA ANCEPS Mitf. Poaceae.**Bamboo.**

Castlemargaret, Claremorris, County Mayo, Scotland.

246399 to 246401. Royal Botanical Garden, Kew, England.**246399. CHIMONOBAMBUSA MARMOREA (Mitf.) Makino Poaceae.****Marble bamboo.****246400. SINARUNDINARIA MURIELAE (Gamble) Nakai Poaceae.****Bamboo.****246401. SINARUNDINARIA NITIDA (Mitf.) Nakai****Bamboo.**

Plant exceptionally cold-resistant; clump-forming type to 20 feet high; culm exceeding 0.75 inch diameter; leaves small, to three inches long and 0.5 inch wide. Used in the making of baskets, sieves, light fencing and house construction. Elevation to 10,000 feet on northern slopes.

246402. MALUS SYLVESTRIS Mill. Malaceae. Common apple.

From Great Britain. Scions presented by the National Fruit Trials, Wisley, near Ripley, Surrey, England. Received Mar. 7, 1958.

'George Cave'. A very early ripening variety.

246403 to 246405.

From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received Mar. 10, 1958.

246403 and 246404. DOLICHOS BIFLORUS L. Fabaceae.

Twinflower dolichos.

246403. 'Belgaum' 1-1-8-3.

246404. 'Belgaum' 1-1-8.

246405. SORGHUM BICOLOR (L.) Moench Poaceae.

'Yenigar' I.C. 5414.

246406 to 246408. MUSA TEXTILIS Nees Musaceae.

Abaca.

From Costa Rica. Roots presented by the Instituto Inter-Americano de Ciencias Agrícolas de Turrialba, San Jose. Received Mar. 10, 1958.

246406. 'Bungalanon'.

246407. 'Maguindanao'.

246408. 'Tangongon'.

246409 and 246410. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.

Sweetpotato.

From the Belgian Congo. Cuttings collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 10, 1958.

246409. Col. No. 21170. 'Nyamungesi'. Nioka Station, Institut National pour l'Etude Agronomique du Congo Belge. Leaves dissected; flowers, but does not produce seed. Primitive type. Origin, Hioka.

246410. Col. No. 21171. 'Mugenda'. Primitive type. Origin, Ruanda.

246411 to 246414. ORYZA SATIVA L. Poaceae.

Rice.

From British Guiana. Seeds presented by the Director of Agriculture, Georgetown. Received March 10, 1958.

246411. C.A.S. 174.

246413. C.A.S. 186.

246412. C.A.S. 180.

246414. C.A.S. 1071.

246415 to 246418. PRUNUS AVIUM L. Amygdalaceae.

Sweet cherry.

From Iran. Scions presented by the Meshed Agricultural Experiment Station, Meshed. Received March 10, 1958.

246415. 'Gilas Faranghi Dorosht'.

246417. Yellow.

246416. Early.

246418. (No data.)

246419. PYRUS COMMUNIS L. Malaceae.

Common pear.

From France. Scions presented by the Delbard Nurseries, Paris. Received March 10, 1958.

'Nouveau Poiteau'. Tree upright and spreading; fruit large, oval-pyriform, irregular, pale greenish-yellow, almost covered with russet-red; flesh greenish-white, tender; juice, small amount, sweet; eye small, closed or almost so, in a large irregular basin. A moderate cropper. Synonyms; 'Retour de Rome', 'Choix de l'Amateur'.

246420 to 246460.

From Brazil. Collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 11, 1958.

From Botanical Garden, Rio de Janeiro, unless otherwise noted, material collect as plants.

246420. ALLAMANDA CATHARTICA L. Apocynaceae.

Col. No. 18033. Scandent shrub to 10 feet high; flowers large, intense yellow. (Cuttings.)

246421. ANTHURIUM HARRISII (Graham) Engl. Araceae.

Col. No. 18129. Plant wide-spreading; leaves large, deep green, up to 3 feet long and 16 inches wide.

246422. BRYOPHYLLUM BEAUVERDII (Hamet) Berger Crassulaceae.

Col. No. 18131. Leaves light green, opposite, recurved. Climber on *Duranta plumieri*.

246423. BRYOPHYLLUM TUBIFLORUM Harv.

Col. No. 18124. Plant small, erect.

246424. BRYOPHYLLUM UNIFLORUM (Stapf) Berger

Col. No. 18117. Plant to 14 inches high; leaves light to dark green, edge reddish to light brown.

246425. BRYOPHYLLUM sp.

Col. No. 18110. Herb to 6 inches high. Grows in gravelly soil.

246426. KALANCHOE sp. Crassulaceae.

Col. No. 18112. Stem to 20 inches high.

246427. CASTANOSPERMUM AUSTRALE Cunn. & Fraser Fabaceae.

Moreton Bay-chestnut.

Col. No. 18055. Tree to 60 feet high. (Seeds.)

246428. KALANCHOE ROTUNDIFOLIA Haw. Crassulaceae.

Col. No. 18107. Plant to three inches high. Grows in gravel or sandy soil.

246429. DICHORISANDRA sp. Commelinaceae.

Col. No. 18128. Shrub to six feet high in shaded spots; flowers deep purplish-blue.

246430. ECHEVERIA CHICLENSIS (Ball) Berger Crassulaceae.

Col. No. 18133. Plant low.

246431. EPIDENDRUM IMATOPHYLLUM Lindl. Orchidaceae.

Orchid.

Col. No. 18040. Epiphyte, among rocks in shade.

246432. EUPHORBIA SIPOTISII N. E. Br. Euphorbiaceae.

Spurge.

Col. No. 18017. Plant to three feet high, in sandy soil.

246433. SINNINGIA sp. Gesneriaceae.

Col. No. 18132. Plant to eight inches high, among rocks on sea coast; flowers; deep purplish-blue.

246434. IPOMOEA CRASSICAULIS (Benth.) Robinson Convolvulaceae.

Col. No. 18037. 'Algodo do Pantanao'. Slender shrub to six feet high.

246435. JATROPHA PODAGRICA Hook. Euphorbiaceae.

Col. No. 18137. Shrub to eight feet high; stem swollen.

246436. KALANCHOE BEHARENSIS Drake Crassulaceae.

Col. No. 18134. Plant to eight feet high; trunk thick.

246437. KALANCHOE CARNEA N. E. Br.

Col. No. 18135. Plant to eight inches high.

246438. KALANCHOE CRENATA Haw.

Col. No. 18119. Plant to 3 inches high; leaves light green to light brown.

246439. *KALANCHOE FAUSTII* Font Quer
Col. No. 18114. Plant to 10 inches high.
246440. *KALANCHOE FEDTSCHENKOI* Ham. & Perr.
Col. No. 18105. Plant to 12 inches high.
246441. *KALANCHOE HUMBERTII* Guillaumin
Col. No. 18109. Plant to 12 inches high; new leaves with reddish edge, old leaves with yellowish edge; flowers intense yellow.
246442. *KALANCHOE LACINIATA* (L.) DC.
Col. No. 18120. Plant to 8 inches high with light green leaves.
246443. *KALANCHOE MILLOTII* Ham. & Perr.
Col. No. 18115. Plant to 10 inches high; leaf margin slightly serrate.
246444. *KITCHINGIA PELTATA* Bak. Crassulaceae.
Col. No. 18118. Plant to 12 inches high; leaves with thin reddish margin.
246445. *BRYOPHYLLUM SCANDENS* (Perrier) Berger Crassulaceae.
Col. No. 18108. Plant forming a dense mass, climber; leaves dark green and thick.
246446. *KALANCHOE SERRATA* Mannoni & Boiteau Crassulaceae.
Col. No. 18111. Herbaceous plant to 10 inches high; leaves thick, spatulate, reddish along edge when young, old are yellowish-brown.
246447. *KALANCHOE* sp.
Col. No. 18106. Creeping plant; stems to ten inches long; leaves serrate.
246448. *KALANCHOE TOMENTOSA* Baker
Col. No. 18126. Plant to 24 inches high; leaves thick, dense pubescent on both surfaces, upper portion of edge dark brown.
246449. *KALANCHOE* sp.
Col. No. 18116. Plant to 16 inches high.
246450. *KALANCHOE VELUTINA* Welw.
Col. No. 18136. Plant to six inches high.
246451. *KALANCHOE* (hybrid).
Col. No. 18121. Plant to six inches high; flowers yellow.
246452. *KALANCHOE* sp.
Col. No. 18125. Plant slender to 12 inches high; leaves with pinkish-red margin.
246453. *OPHIPOGON JAPONICUS* (L.f.) Ker Liliaceae. **Japanese snakeboard.**
Col. No. 18102. Plant forms a dense cover in deep shade; leaves dark green.
246454. *OPHIPOGON JABURAN* (Siebold) Lodd. **Jaburan.**
Col. No. 18103. Plant to eight inches high; leaves usually with white margin; flowers purplish.
246455. *PEPEROMIA INCANA* A. Dietr. Piperaceae.
Col. No. 18127. Plant to 24 inches high; leaves dark green and thick.
246456. *PEPEROMIA OBTUSIFOLIA* (L.) A. Dietr.
Col. No. 18122. Plant with creeping stems to 6 inches high; leaves thick.
246457. *RHODODENDRON INDICUM* (L.) Sweet Ericaceae.
Col. No. 18038. Hedge shrub in clumps to 8 feet high; flowers pale purple.
246458. *SANSEVIERIA CYLINDRICA* Bojer Liliaceae.
Col. No. 18113. Plant to 2.5 feet high, usually erect.

246459. *SCHINUS MOLLE* L. Anacardiaceae. California peppertree.

Col. No. 18041. 'Aroeira'. Tree small; twigs and foliage pendent; leaves light green.

246460. *BOUGAINVILLEA SPECTABILIS* Willd. Nyctaginaceae.
Great bougainvillea.

Col. No. 18016. Small tree or tall shrub becoming scandent with age; flowers white.

246461 to 246464.

From Denmark. Scions presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received March 11, 1958.

246461. *MALUS SYLVESTRIS* Mill. Malaceae. Common apple.

'Red Cox's Pomona'. A dual purpose midwinter variety, popular in colder districts.

246462. *PYRUS COMMUNIS* L. Malaceae. Common pear.

'Red colored de Juillet'. From a 15-year-old tree.

- 246463 and 246464. *MALUS SYLVESTRIS* Mill. Malaceae. Common apple.

246463. 'James Grieve'. Neumanns Rotar strain of German origin.

246464. 'James Grieve'. Red Rosamund strain of English origin.

246465 to 246475.

From Brazil. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 11, 1958.

From the Botanical Garden, Rio de Janeiro.

246465. *CAMOENSIA MAXIMA* Welw. Fabaceae.

Col. No. 18025. Woody vine; foliage dark green; flowers white. Native to tropical Africa.

246466. *CORDIA SUPERBA* Cham. Boraginaceae.

Col. No. 18083. Tree to 20 feet high; fruit contains a white, sticky, edible pulp. Native of Brazil.

246467. *DIOSPYROS APEIBACARPOS* Raddi Diospyraceae.

Col. No. 18056. Tree to 15 feet high; fruits edible; pulp yellow.

246468. *EUGENIA JAMBOS* L. Myrtaceae. Rose-apple.

Col. No. 18019. 'Jambo Rosa'. Tree to 12 feet high; fruits striped pinkish; pulp edible.

246469. *EUGENIA MALACCENSIS* L. Ohia.

Col. No. 18018. 'Jambo Vermelho'. Tree to 18 feet high; fruit has edible pulp.

246470. *HEVEA BRASILIENSIS* (A. Juss.) Muell.-Arg. Euphorbiaceae.
Para rubber tree.

Col. No. 18066. 'Sirlinga Borracha'. Tree to 90 feet high.

246471. *JACARATIA DODECAPHYLLA* DC. Caricaceae.

Col. No. 18010. 'Jaccaratia'. Small tree in sandy soil; fruits edible.

246472. *NYMPHAEA* sp. Nymphaeaceae.

Col. No. 18064. Aquatic plant; flowers deep purple.

246473. *NICOLAIA ELATIOR* (Jack) Horan. Zingiberaceae.

Col. No. 18063. 'Bastao do Imperador'. Stems to 12 feet high with flowering stems to 3 feet high.

246474. *PHILODENDRON SPECIOSUM* Schott. Araceae.

Col. No. 18094. Straggly plant to 3 feet high; stems often crawling along ground; leaves dark green.

246475. *RAUVOLFIA GRANDIFLORA* Mart. Apocynaceae. **Devilpepper.**

Col. No. 18026. Shrub to 5 feet high, usually among rocks in shade.

246476. *IPOMOEA TILIACEA* (Willd.) Choisy Convolvulaceae. **Morning-glory.**

From Puerto Rico. Seeds presented by the Rio Piedras Experiment Station, Rio Piedras. Received March 11, 1958.

246477 to 246557.

From Peru. Tubers collected by Donovan S. Correll and E. E. Smith, collaborators, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 11, 1958.

246477 and 246478. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae. **Sweetpotato.**

246477. Col. No. P-152. Cavelo, near Santiago. Roots fusiform; skin purplish red; flesh deep orange-yellow.

246478. Col. No. P-175. Comote. Oconra market, Arequipa. Roots with cream-colored skin; flesh orange-yellow.

246479 to 246483. *SOLANUM ACAULE* Bitter Solanaceae.

246479. Col. No. P-154. Ninety kms. from Nasca, road to Puquio. Elevation 3,900 meters. Plants prostrate; flowers purplish-blue.

246480. Col. No. P-155. One hundred seventeen kms. from Nasca, road to Puquio. Elevation 4,500 meters. Plants prostrate; tubers small.

246481. Col. No. P-178. Alpine meadow, Canaguas, Arequipa. Elevation 4,075 meters. Plants prostrate; tubers to 2 cm. long.

246482. Col. No. P-181. Among boulders. Six kms. from Puno, road to Arequipa. Plants prostrate.

246483. Col. No. P-192. Four kms. from Puno, road to Arequipa. Elevation 3,900 meters. Plants prostrate; fruits ellipsoid.

246484. *SOLANUM CALCENSE* Hawkes

Col. No. P-230. Near Calca. Elevation 3,000 meters. Flowers purple.

246485. *SOLANUM LECHNOVICZII* Hawkes

Col. No. P-229. Near Calca, on road to Pisac. Elevation 3,000 meters. Flowers purplish-blue.

246486. *SOLANUM LIGNICALULE* Vargas.

Col. No. P-227. Slopes above Pisac. Elevation 3,050 meters. Tubers globular, to 3 cm. in diameter; flowers white.

246487 and 246488. *SOLANUM RAPHANIFOLIUM* Card. & Hawkes.

246487. Col. P-218. Fort Sacsayhuaman, above Cuzco. Plant to 1 meter high; tubers globular; flowers deep purple, 3 cm. across; fruits green, marked purple.

246488. Col. No. P-218. (Seeds.)

246489. *SOLANUM* sp.

Col. No. P-240. Above Huancaro on way to Paruro. Elevation 3,300 meters. Flowers dark purple, rotate-stellate.

246490. *SOLANUM* sp.

Col. No. P-233. Between San Geronjino and Sailla, Cuzco. Tubers globular, purplish; stems purplish; flowers deep purple.

246491. *SOLANUM* sp.

Col. No. P-148. Road to Puquio, 45 kms. from Nasca. Elevation 2,200 meters. Plants tuberous.

246492. *SOLANUM* sp.

Col. No. P-153. Road to Puquio, 90 kms. from Nasca. Elevation 3,900 meters. Leaves purplish on back; tubers small.

246493. SOLANUM sp.

Col. No. P-157. Road to Puquio, 126 kms. from Nasca. Elevation 4,000 meters. Plants small; flowers purplish.

246494. SOLANUM sp.

Col. No. P-161. 'Papa Liniania'. Small valley near Puquio. Skin tan-colored; flesh creamy-white.

246495. SOLANUM sp.

Col. No. P-162. 'Arace'. Road to Nasca, 35 kms. from Puquio. Elevation 3,500 meters. Plants small; tubers small, watery; flowers pale lavender.

246496. SOLANUM sp.

Col. No. P-163. 'Chaucha'. Puquio, small farms. Tubers 3 cm. in diameter; skin reddish-pink; flesh cream-color.

246497. SOLANUM sp.

Col. No. P-164. 'Larac Sisa'. Puquio, small farms. Tubers subglobose; skin pink; eyes deep; flesh cream-color.

246498. SOLANUM sp.

Col. No. P-165. 'Pepino'. Small farm near Puquio. Tubers ellipsoidal; skin purplish-red; eyes deep; flesh deep yellow.

246499. SOLANUM sp.

Col. No. P-166. 'Casa Blanca'. Small farm near Puquio. Tubers round-flattened; skin white; flesh creamy-white.

246500. SOLANUM sp.

Col. No. P-167. 'Albarado'. Small farm near Puquio. Tubers small, globular; skin purplish-red; eyes deep; flesh creamy-yellow.

246501. SOLANUM sp.

Col. No. P-168. Road to Nasca, 13 kms. from Puquio. Elevation 3,800 meters. Flowers purplish-blue.

246502. SOLANUM PENNELLII Correll

Col. No. P-173. Between Chola and Atico, Pan-American Highway. Plants glandular-viscous; flowers yellow. (Seed.)

246503. SOLANUM sp.

Col. No. P-179. Alpine meadow, Lagunillos, Puno. Plant prostrate.

246504. SOLANUM sp.

Col. No. P-180. Maravillas, Puno. Elevation 3,900 meters. Plant low, bushy; fruits ovoid, grass-green with dark patches, 2 cm. long. (Seed.)

246505. SOLANUM sp.

Col. No. P-182. Road to Arequipa, 6 kms. from Puno. Elevation 4,000 meters. Plant erect.

246506. SOLANUM sp.

Col. No. P-190. Road to Arequipa, 4 kms. from Puno. Elevation 3,900 meters. Tubers ellipsoid, purple. Produced at surface of soil.

246507. SOLANUM sp.

Col. No. P-193. Hills above Puno. Elevation 3,700 meters. Flowers purple, stellate; fruits ellipsoid to ovoid.

246508. SOLANUM sp.

Col. No. P-194. Rocky hills above Puno. Elevation 3,700 meters. Leaves dissected; fruits orbicular.

246509. SOLANUM sp.

Col. No. P-196. Road to Juliaca, 10 kms. from Puno. Elevation 3,800 meters. Plants low, bushy; flowers purple, rotate to rotate-stellate.

246510. SOLANUM sp.

Col. No. P-197. Among boulders, road to Juliaca, 10 kms. from Puno. Elevation 3,800 meters. Flowers purple, rotate.

246511. SOLANUM sp.

Col. No. P-198. Road to Juliaca, 10 kms. from Puno. Elevation 3,800 meters. Flowers large, rotate, blue.

246512. SOLANUM sp.

Col. No. P-200. Road to Juliaca, 10 kms. from Puno. Leaves purplish beneath; flowers bluish.

246513. SOLANUM sp.

Col. No. 201-P. Road to Juliaca, 11 kms. from Puno. Elevation 3,700 meters. Flowers lavender-blue.

246514. SOLANUM sp.

Col. No. P-202. Purchased in Puno market. Tubers globular, skin and flesh yellowish-white; eyes broad, shallow.

246515 to 246526. Market, Puno. Grown in vicinity by Indians.

246515. SOLANUM sp.

Col. No. P-203. Tubers globular; skin and flesh white; eyes shallow, pinkish, broad.

246516. SOLANUM sp.

Col. No. P-204. Tubers cylindric arcuate; skin reddish-pink; eyes long; flesh white.

246517. SOLANUM sp.

No. P-205-A. Tubers pear-shaped; skin mottled tan with purple; flesh cream-colored.

246518. SOLANUM sp.

Col. No. P-205-B. Tubers pear-shaped or ellipsoid; skin and flesh white; eyes long and narrow.

246519. SOLANUM sp.

Col. No. P-206-A. Tubers globular narrow; skin reddish-pink; eyes shallow; flesh yellowish.

246520. SOLANUM sp.

Col. No. P-206-B. Tubers globular-compressed with small eyes; skin purplish red with broad yellow-white blotches; flesh creamy-white.

246521. SOLANUM sp.

Col. No. P-207. Tubers globular; skin reddish-purple; eyes deep, round; flesh reddish.

246522. SOLANUM sp.

Col. No. P-208. Tubers ellipsoid, slightly compressed; skin white; eyes shallow; flesh greenish-yellow.

246523. SOLANUM sp.

Col. No. P-209. Tubers irregularly round; skin flesh pink; eyes deep; flesh light yellow.

246524. SOLANUM sp.

Col. No. P-210. Tubers globular; skin mottled pink and yellow; flesh creamy-white.

246525. SOLANUM sp.

Col. No. P-211. Tubers globular; skin purple-black; eyes small; flesh cream-colored.

246526. SOLANUM sp.

Col. No. P-212. Tubers globular or ellipsoid; skin mottled purple and pink; flesh cream-colored.

246527. SOLANUM sp.

Col. No. P-213. Among rocks, Camacani, 27 km. southeast of Puno. Elevation 4,000 meters. Plants low; tubers about 1 cm. in diameter.

246528. SOLANUM sp.

Col. No. P-215. Among boulders, Camacani, 27 kms. southeast of Puno. Plants varying from slender and simple to stout, much-branched, to 1 meter high; flowers purple, to 4.5 cm. across, some double.

246529. SOLANUM sp.

Col. No. P-219. Fort Pucara, 7 kms. from Cuzco. Elevation 3,750 meters. Plant dwarf; flowers dark purple, rotate-stellate; tubers small.

246530. SOLANUM sp.

Col. No. P-220. Fort Pucara, 7 kms. from Cuzco. Elevation 3,750 meters. Plants in a rosette, with numerous thick, coarse, veiny leaves; tubers globular to 1 cm. in diameter; flowers purple, rotate-stellate.

246531. SOLANUM sp.

Col. No. P-221. Fort Pucara, 7 kms. from Cuzco. Tubers to 2 cm. in diameter.

246532. SOLANUM sp.

Col. No. P-222. Road to Pisac, 4 kms. from Cuzco. Elevation 3,650 meters. Plants low; flowers purple.

246533. SOLANUM sp.

Col. No. P-223. Road to Pisac, 4 kms. from Cuzco. Plants low, bushy; leaflets small; flowers lavender-blue; fruits orbicular, white speckled, 1.5 cm. in diameter; roots long but no tubers found. (Seed.)

246534. SOLANUM sp.

Col. No. P-224. Karau, 15 km. from Cuzco, road to Pisac. Flowers deep purple, rotate-stellate.

246535. SOLANUM sp.

Col. No. P-225. Wet slope, road to Cuzco, 9 km. from Pisac. Flowers light blue, rotate-stellate, to 5 cm. in diameter.

246536. SOLANUM sp.

Col. No. P-231. Urubamba. Elevation 2,900 meters. Plant robust, much-branched, to 1 decimeter high; flowers rotate, bluish-lavender. (Seed.)

246537. SOLANUM sp.

Col. No. P-234. Piquillacta, Quisipicanchi, Cuzco. Elevation 3,200 meters. Flowers pale blue, rotate-stellate.

246538. SOLANUM sp.

Col. No. P-237. Piquillacta. Elevation 3,200 meters.

246539. SOLANUM sp.

Col. No. P-241. Recolecte, Cuzco. Flowers purple with white radiating stripes; tubers globular to 4.5 cm. in diameter; flesh tinged with purple; fruits ovoid, 1.5 cm. long.

246540. SOLANUM sp.

Col. No. P-242. On wall of Sun Temple of Incas, Cuzco. Flowers purple; fruits large, globular. Possibly an escape. (Seed.)

246541 to 246555. Grown by Indians in vicinity of Pisac.**246541. SOLANUM sp.**

Col. No. P-243. 'Bole'. Tubers globular; eyes shallow; skin purplish-red; flesh deep yellow.

246542. SOLANUM sp.

Col. No. P-244. 'Cuchi-aca'. Tubers ellipsoid; skin purple; eyes shallow; flesh white.

246543. SOLANUM sp.

Col. No. P-245. Tubers ellipsoid-compressed; skin dull purple; flesh white.

246544. SOLANUM sp.

Col. No. P-246. 'Waman Usna'. Tubers irregular; skin yellow with reddish mottling; flesh creamy-yellow.

246545. SOLANUM sp.

Col. No. P-247. 'Walla Soncco'. Tubers globular-compressed; skin copper-colored; flesh creamy-white.

246546. SOLANUM sp.

Col. No. P-248. 'Pasma Bunchu'. Tubers globular; skin white; eyes shallow; flesh yellowish.

246547. SOLANUM sp.

Col. No. P-249. 'Rusi'. Tubers globular; skin black; eyes deep, narrow; flesh purple.

246548. SOLANUM sp.

Col. No. P-250. Tubers pear-shaped, compressed; eyes long, irregular; skin tan-colored; flesh white.

246549. SOLANUM sp.

Col. No. P-251. 'Ardec'. Tubers ellipsoid; skin purple-black; eyes irregular; flesh purplish.

246550. SOLANUM sp.

Col. No. P-252. 'Wayruru'. Tubers globular-flattened; skin mottled red and yellow; eyes shallow; flesh cream-colored.

246551. SOLANUM sp.

Col. No. P-253. 'Alaco'. Tubers globular-ellipsoid; skin white; eyes shallow; flesh yellow.

246552. SOLANUM sp.

Col. No. P-254. 'Tana Cusi'. Tubers ellipsoid; skin bronze-colored; flesh white.

246553. SOLANUM sp.

Col. No. P-255. 'Bole'. Tubers globular; skin purplish-red; flesh yellowish-white.

246554. SOLANUM sp.

Col. No. P-256. 'Ruki'. Tubers orbicular-pyriform compressed; skin dull purple; flesh white.

246555. SOLANUM sp.

Col. No. P-257. 'Suytta'. Tubers cylindric; skin dull purplish-black; eyes small, shallow; flesh white.

246556. SOLANUM sp.

Col. No. P-279. Market Cuzco. Tubers globular; skin dull pinkish-red; eyes deep; flesh white.

246557. SOLANUM sp.

Col. No. P-280. Market, Cuzco. Tubers pear-shaped; skin purplish-red; flesh cream-colored.

246558 to 246564.

From Europe and Africa. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 14, 1958.

246558. *ASPARAGUS* sp. *Convallariaceae*.

Col. No. 21001. Lisbon, Portugal. A climbing ornamental asparagus fruiting and flowering out-of-doors.

246559. *CITRULLUS VULGARIS* Schrad. *Cucurbitaceae*. **Watermelon.**

Col. No. 21003. Experimental Station, Bambey, Senegal. Primitive form; fruits globose, to 8 inches in diameter; flesh white, not bitter. Probably planted as a source of moisture for cattle during the dry season.

246560. *DOLICHOS LABLAB* L. *Fabaceae*. **Hyacinth-bean.**

Col. No. 21002. Experimental Station, Bambey, Senegal. A white-flowered type; drought resistant. Used as a cover crop and green manure.

246561. *LANDOLPHIA* sp. *Apocynaceae*.

Col. No. 21046. Along Kisantu-Leopoldville Road, 22 miles southwest of Leopoldville, Belgian Congo. Vine to six feet high; fruits said to be edible.

246562. *LUFFA CYLINDRICA* (L.) Roemer *Cucurbitaceae*. **Suakwa towelgourd.**

Col. No. 21004. Experimental Station, Bambey, Senegal. Fiber sometimes used as a sponge.

246563. *PHASEOLUS VULGARIS* L. *Fabaceae*. **Common bean.**

Col. No. 21057. Market in Madimba, Belgian Congo. Seeds white.

246564. *TRIPHASIA GRANDIFOLIA* Merr. *Rutaceae*.

Col. No. 21013. Kisantu Botanical Garden, Kisantu, Belgian Congo. Shrub to 14 feet high.

**246565 to 246569. *BRASSICA OLERACEA* var. *CAPITATA* L. *Brassicaceae*.
Cabbage.**

From Great Britain. Seeds presented by the National Institute of Agricultural Botany, Cambridge, England. Received Mar. 14, 1958.

246565. 'Alexander's No. 1'.

246566. 'Ormskirk Early'. (Clucas.)

246567. 'Ormskirk Medium'. (Clucas.)

246568. 'Ormskirk Late Green'. (Clucas.)

246569. 'Ormskirk Extra Late'. (Clucas.)

246570 to 246584.

From Peru. Tubers and fruits collected by D. S. Correll and E. E. Smith, collaborators, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 17, 1958.

246570 and 246571. *SOLANUM ACAULE* Bitter. *Solanaceae*.

Col. No. P-298. Slopes above Cullnay, Lima. Elevation 4,050 meters. Plants in low rosette. Flowers blue; fruits ovoid; tubers small, ellipsoid or round.

246570. (Tubers.)

246571. (Fruits.)

246572. *SOLANUM* sp.

Col. No. P-282. Below Canta, Lima. Elevation 2,200 meters. Flowers purple, rotate, with prominent stamen.

246573. *SOLANUM* sp.

Col. No. P-283. Below Canta, Lima. Elevation 2,475 meters. Plant robust; flowers purple, rotate.

246574. *SOLANUM* sp.

Col. No. P-285. Slopes above Canta, Lima. Elevation 2,850 meters. Flowers large, purple, rotate.

246575. *SOLANUM* sp.

Col. No. P-288. Above Canta, Lima. Elevation 3,200 meters. Plants robust; flowers large, rotate, purple. Rust present.

246576. *SOLANUM* sp.

Col. No. P-289. Along road above Canta, Lima. Elevation 3,300 meters. Plants stout; flowers purplish.

246577. *SOLANUM* sp.

Col. No. P-291. Above Canta, Lima. Elevation 3,400 meters. Plants unusually hispid; tubers globular-ellipsoid.

246578. *SOLANUM* sp.

Col. No. P-292. Above Canta, Lima. Elevation 3,400 meters. Plants low, glabrous; leaves deep green on upper surface.

246579. *SOLANUM* sp.

Col. No. P-293. Ubiquitous along road below Culluay, on road to Canta, Lima. Elevation 3,500 meters. Plant abundant, tall and showy with many long-peduncled flowers.

246580. *SOLANUM* sp.

Col. No. 294. Forms a small colony below Culluay, road to Canta, Lima. Plants tall, bushy; flowers pale lavender, almost white; tubers large, flattish.

246581. *SOLANUM* sp.

Col. No. P-295. Below Culluay, road to Canta, Lima. Elevation 3,600 meters. Plants robust, stems and rachis purplish; flowers deep purple, to 4.5 cm. in diameter, rotate-stellate; tubers very irregular.

246582. *SOLANUM* sp.

Col. No. P-296. Near Culluay. Elevation 3,800 meters. Plants bushy, to 1.5 decimeters high and wide; flowers large, deep purple, rotate; tubers with purplish skin and flesh.

246583. *SOLANUM* sp.

Col. No. P-297. Rocky slopes near Culluay. Elevation 3,900 meters. Plant low, rosette-like to tall, depending on exposure; flowers purple; tubers orbicular.

246584. *SOLANUM* sp.

Col. No. P-290. Rocky slope above Canta. Elevation 3,300 meters. Plants stiffly erect, glabrous throughout; leaves verrucose above; flowers pure white, rotate-stellate.

246585 and 246586.

From Peru. Seeds collected by D. S. Correll and E. E. Smith, collaborators, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 17, 1958.

246585. *LYCOPERSICON* (hybrid). Solanaceae.

Col. No. P-147. ((*L. peruvianum* × *L. glandulosum*) × *L. hirsutum*). West of Andes, Nasca-Puquio Road, Peru. El. 2,100 meters. Flowers yellow with yellowish-green fruits.

246586. *LYCOPERSICON PERUVIANUM* (L.) Mill.

Col. No. P-174. Near Atico. Plants bushy, brittle; flowers yellow, stellate.

246587 to 246591.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 17, 1958.

246587 to 246589. *DUBOISIA MYOPOROIDES* R. Br. Solanaceae.

246587. N-542. Acacia Plateau, New South Wales. Seeds from numerous trees.

246588. N-546. Wilson Creek, Mullumbimby to Goonengerry, New South Wales. Single tree sample.

246589. Q-307. Carrumbin Creek, Queensland.

246590. *GLYCINE CLANDESTINA* Wendl. Fabaceae.

C-332. Mount Sidbeirbilla, Australian Commonwealth Territory.

246591. *GLYCINE FALCATA* Benth.

Q-156. Gilruth Plains, Queensland.

246592 to 246595. *SORGHUM DOCHNA* (Forsk.) Snowden Poaceae.

From the Union of Soviet Socialist Republics. Seeds presented by the Sorghum Breeding Station, Wamego, Kansas. Received Mar. 17, 1958.

246592. Flowers in 66 days. Orange type.

246593. Flowers in 66 days. Open head similar to orange sorgo.

246594. Flowers in 67 days. Appear to be a hegari derivative. Has chalky layer and subcoat.

246595. Flowers in 84 days. Similar to sumac sorgo.

246596. *EUPHORBIA PULCHERRIMA* Willd. Euphorbiaceae.

Common poinsettia.

From Brazil. Plant and cuttings presented by V. C. Del Mazo Suarez, Sao Paulo. Received Mar. 18, 1958.

Bracts yellow.

246597 to 246599. *POPULUS TREMULA* L. Salicaceae.

European aspen.

From Germany. Scions presented by Deutsche Akademie der Landschaftswissenschaften, Berlin. Received March 12, 1958.

246597. Triploid. 'Lillo'. Male.

246598. Triploid. Male.

246599. Triploid. 'Rosendal'. Female.

246600. *CYNODON DACTYLON* (L.) Pers. Poaceae. **Bermudagrass.**

From India. Seeds presented by the Royal Calcutta Golf Club, Calcutta. Received Mar. 19, 1958.

'Dub' Strain. Banda District. Elevation 8,000 feet.

246601 to 246647.

From Brazil. Plants collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 19, 1958.

Collected at Petropolis, State of Rio de Janeiro. Elevation 2,800 feet.

246601. *ANTHURIUM ANDRAEANUM* Linden Araceae.

Col. No. 18250. Plants to three feet high.

246602. *ANTHURIUM SCHERZERIANUM* Schott.

Col. No. 18253. Plants to 16 inches high.

246603. *ANTHURIUM* sp.

Col. No. 18262. Plants small and somewhat uncommon; flowers pale mauve.

246604 to 246614. *ANTHURIUM* (hybrids).

246604. Col. No. 18235. 'Preto Extra' × 'Vermelho Rei'. 012.

246605. Col. No. 18236. 'Vermelho Rei' × 'Saumao'. 02.

246606. Col. No. 18237. 'Rosa Extra' × 'Vermelho Rei'. 011.

246607. Col. No. 18238. 'Vermelho Extra' × *Anthurium* sp. 010.

246608. Col. No. 18239. 'Vermelho Rei' × *Anthurium* sp. 04.

246609. Col. No. 18240. 'Tijolo Extra'. 014.

246610. Col. No. 18241. 'Saumao' × 'Rosa y Verde'. 028.

246611. Col. No. 18242. 'Rosa y Verde' × 'Vermelho Rei'. 025.

246612. Col. No. 18243. 'Preto Extra' × 'Vermelho Rei'. 026.

246613. Col. No. 18244. 'Vermelho Rei' × 'Vermelho Grena'. 024.

246614. Col. No. 18245. 'Saumao' × 'Saumao'. (Originally from Sao Paulo.) 013.

246615. *VRIESIA* sp. Bromeliaceae.

Col. No. 18265. Flowers yellow, said to be native to Serra das Orgaos.

246616. *BROMELIA* sp. Bromeliaceae.

Col. No. 18263. Leaves mottled light brown.

246617. *VRIESIA* sp. Bromeliaceae.

Col. No. 18264. Flowers pinkish to red.

246618. *BROMELIA* sp. Bromeliaceae.

Col. No. 18266. Flowers reddish.

246619 and 246620. Said to be native to Serra das Orgaos.

246619. *BROMELIA* sp.

Col. No. 18267. No. 1.

246620. *BROMELIA* sp.

Col. No. 18267. No. 2.

246621. *BROMELIA* sp.

Col. No. 18270. Leaves to eight inches long; flowering stem to 15 inches high.

246622. *BROMELIA* sp.

Col. No. 18271. Leaves dark green to 16 inches long; flowers reddish at base, yellow at tip.

246623. *BROMELIA* sp.

Col. No. 18272. Leaves to 12 inches long; flowers deep reddish-pink in part, yellow at tip.

246624. *BROMELIA* sp.

Col. No. 18273. Leaves dark green to 12 inches long.

246625. *CALADIUM HUMBERTII* Schott. Araceae.

Col. No. 18249. Leaves to 10 inches high.

246626. *CALADIUM* sp.

Col. No. 18259. Leaves to 20 inches high.

246627. *CALADIUM* sp.

Col. No. 18260. Said to reach a height of 4.5 feet.

246628. *HYPOCYRTA RADICAN* Kl. & Hanst. Lythraceae.
Col. No. 18268. Small herb; foliage dark green; flowers reddish-pink.
246629. *FITTONIA ARGYRONEURA* Coem. Acanthaceae.
Col. No. 18233. Plant to 16 inches high, venation yellowish-green.
246630. *FITTONIA VERSCHAFFELTII* Coem.
Col. No. 18234. Plant to 16 inches high, venation pinkish-red.
246631. *FITTONIA ARGYRONEURA* Coem.
Col. No. 18254. Plant to 10 inches high, venation cream-colored.
246632. *FITTONIA VERSCHAFFELTII* Coem.
Col. No. 18255. Venation deep pink.
246633. *PEPEROMIA* sp. Piperaceae.
Col. No. 18225. Plants to 18 inches high.
246634. *PEPEROMIA* sp.
Col. No. 18226. Plant to 10 inches high.
246635. *PEPEROMIA* sp.
Col. No. 18227. Plant to 12 inches high; leaves dark green mottled with gray.
246636. *PEPEROMIA* sp.
Col. No. 18228. Plant to 12 inches high.
246637. *PEPEROMIA* sp.
Col. No. 18229. Plant to 12 inches high.
246638. *PEPEROMIA* sp.
Col. No. 18230. Plant to 12 inches high.
246639. *PEPEROMIA* sp.
Col. No. 18231. Plant to 12 inches high.
246640. *PEPEROMIA* sp.
Col. No. 18232. Plant to 10 inches high; leaves dark green above.
246641. *PEPEROMIA* sp.
Col. No. 18252. Leaves large, ovate, deep green with pale gray markings.
246642. *PHILODENDRON BIPINNATIFIDUM* Schott. Araceae.
Col. No. 18258. Plant to three feet high.
246643. *PHILODENDRON GIGANTHEUM* Schott.
Col. No. 18257. Plant to six feet high; leaves to three feet long, dark green.
246664. *PITCAIRNIA* sp. Bromeliaceae.
Col. No. 18247. Grows on moist rocks in fairly dense forest.
246645. *SOLANUM PSEUDOCAPSICUM* L. Solanaceae. **Jerusalem-cherry.**
Col. No. 18269. Plant normally to three feet high, but as a house plant it can be trimmed to about 15 inches; foliage dark green; fruits deep pink.
246646. *SOPHRONITIS GRANDIFLORA* Lindl. Orchidaceae. **Orchid.**
Col. No. 18251. Plant small; flowers reddish.
246647. (Undetermined.)
Col. No. 18248. Plant grayish, growing among rocks in garden.
246648. *TELFAIRIA PEDATA* (J. E. Sm.) Hook. Cucurbitaceae.
From Southern Rhodesia. Seeds presented by E. A. Menninger, Stuart, Florida.
Received March 20, 1958.
From Bulawayo. Climbing shrub with edible kernels yielding oil reportedly equal in quality to olive oil.

246649 and 246650. PACHYRHIZUS EROSUS (L.) Urban Fabaceae.
Yam-bean.

From Mexico. Presented by Gordon B. Ross, Tapachula, Chiapas. Received Mar. 20, 1958.

From Market, Mexico City.

246649. (Tuber.)

246650. (Seeds.)

246651 and 246652.

From New Guinea. Plants presented by the Department of Forests, Division of Botany, Lae. Received Mar. 21, 1958.

246651. *NEPENTHES MIRABILIS* (Lour.) Druce Nepenthaceae.

246652. *TECOMANTHE DENDROPHILA* (Blume) K. Schum. Bignoniaceae.

246653. CRINUM ASIATICUM L. Amaryllidaceae. Poisonbulb.

From Brazil. Bulbs collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 21, 1958.

Col. No. 18188. Botanical Garden, Rio de Janeiro. Stems stout; leaves to five feet long; flowers white. Native to Asia.

246654. SORGHUM SUDANENSE (Piper) Stapf Poaceae.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 24, 1958.

Col. No. 21356. Ruzizi Valley, 45 km. south of Bukavu. Plants 3 meters high; panicles open; stilt roots.

246655 and 246656. MISCANTHUS SINENSIS var. CONDENSATUS (Hack.) Makino. Poaceae.

From Japan. Plants presented by the Kyoto University, Kyoto. Received March 25, 1958.

Collected from Hachyo Island.

246655. 'Imazo'. Male sterile variety with growth habits of 'Yoreba'.

246656. 'Yoreba'. (Leaf twisted.) Vigorous perennial growing in moist soil in warm regions.

246657 and 246658.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 25, 1958.

246657. *GARCINIA DULCIS* (Roxb.) Kurz. Clusiaceae.

Col. No. 21074. 'Apricot de Mexique'. Yangambi Station, Institut National pour l'Etude Agronomique du Congo Belge. Handsome small tree producing unusually good fruit; pulp apricot colored.

246658. *PACHIRA AQUATICA* Aubl. Bombacaceae. **Guiana-chestnut.**

Col. No. 21075. Yangambi Station, National pour l'Etude Agronomique du Congo Belge. Tree to 10 meters high.

246659. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.

From Guatemala. Seeds presented by Christian W. Bruhn, Mansion San Francisco, Guatemala City. Received March 25, 1958.

Collected near Patulul, Esquintla.

246660 to 246667.

From Japan. Seeds presented by the Agricultural Experiment Farm, Anno, Nishi-no-omote, Tanegashima. Received Mar. 25, 1958.

246660. CINNAMOMUM BREVIFOLIUM Miq. Lauraceae.

H. S. 881.

246661. CINNAMOMUM DAPHNOIDES Seib. & Zucc.

H. S. 882.

246662 to 246667. CINNAMOMUM sp.

246662. H. S. 875.

246665. H. S. 878.

246663. H. S. 876.

246666. H. S. 879.

246664. H. S. 877.

246667. H. S. 880.

246668. OPUNTIA sp. Cactaceae.

From Brazil. Plant collected by Llewelyn Williams, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received March 26, 1958.

Col. No. 18223. 'Figueira do Inferno'. Petropolis. Elevation 2,500 feet. On rocks in garden. Edible.

246669. MALUS PURPUREA f. ELEYII (Bean) Rehder Malaceae.

From Great Britain. Trees presented by R. C. Notcutt Ltd., Woodbridge, Suffolk, England. Received Mar. 26, 1958.

'Neville Copeman'.

246670. PINUS HELDREICHII var. LEUCODERMIS (Ant.) Mark.

Pinaceae.

From Greece. Seeds presented by the Forest Research Institute, Ministry of Agriculture, Athens. Received Mar. 12, 1958.

From the Epirus districts for Christmas tree study.

246671. TEPHROSIA VOGELII Hook. f. Fabaceae.

From Liberia. Seeds presented by the Central Experiment Station, Suakoko. Received March 12, 1958.

Grown by the Botanic Research Division, Firestone Plantation, Harbel.

246672 to 246688.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 13, 1958.

246672. ABROMA AUGUSTA L. f. Sterculiaceae.

Col. No. 21030. Jardin d'Essais de la Mission de Kisantu. Shrub to 1 meter high.

246673. ABRUS PRECATORIUS L. Fabaceae.

Rosarypea.

Col. No. 21009. Bana, an abandoned village site 25 kms. east of Leopoldville. Shrub to 1 meter high; leaves have strong licorice flavor.

246674. ALOE sp. Liliaceae.

Col. No. 21054. Jardin d'Essais de la Mission de Kisantu. Red flowers about 4 cm. long.

246675. ASTERACANTHA LONGIFOLIA (L.) Nees Acanthaceae.

Col. No. 21028. Jardin d'Essais de la Mission de Kisantu. Plant to 1 meter high.

246676. CLAPPERTONIA FICIFOLIA (Wild.) Dcne. Tiliaceae.

Col. No. 21032. Jardin d'Essais de la Mission de Kisantu. Shrub to 2 meters high.

246677. DATURICARPA ELLIPTICA Stapf Apocynaceae.

Col. No. 21043. Jardin d'Essais de la Mission de Kisantu. Shrub to 2 meters high. Beautiful spiny, orange fruits, 5 cm. in diameter.

246678. *DRACAENA* sp. Liliaceae.

Col. No. 21014. Forests from Leopoldville to Kisantu. Tree to 30 meters high.

246679. *NEPHTHYTIS AFZELII* Schott. Araceae.

Col. No. 21035. Jardin d'Essais de la Mission de Kisantu. Terrestrial aroid.

246680. *POUCHETIA AFRICANA* A. Rich. ex DC. Rubiaceae.

Col. No. 21053. Jardin d'Essais de la Mission de Kisantu. Shrub to two meters high berries red, size of coffee cherry.

246681. *RAPHIA LAURENTII* DeWild. Phoenicaceae.

Palm.

Col. No. 21048. Jardin d'Essais de la Mission de Kisantu. Palm grown along water; leaves to 10 meters long.

246682. *RAUVOLFIA LONGIACUMINATA* DeWild. & T. Dur. Apocynaceae.

Devilpepper.

Col. No. 21034. Jardin d'Essais de la Mission de Kisantu. Shrub to one meter high; fruits red.

246683. *RAUVOLFIA NANA* E. A. Bruce

Devilpepper.

Col. No. 21012. Manguete forest region, 20 kms. east of Leopoldville. Shrub to two meters high; berries red.

246684. *RAUVOLFIA OBSCURA* K. Schum.

Devilpepper.

Col. No. 21007. Kisantu Botanical Garden. Shrub to one meter high; fruits red, one seeded.

246685. *SIDA* sp. Malvaceae.

Col. No. 21056. About 25 kms. northeast of Kisantu. Plant to one meter high; flowers yellow, two cm. in diameter.

246686. *TABERNANTHE IBOGA* Baill. Apocynaceae.

Col. No. 21006. Botanical Garden, Kistanu. Shrub native of lower Congo. Fruits orange when ripe, to 7 cm. long; seeds imbedded. Used as medicine.

246687. *TABERNANTHE* sp. Apocynaceae.

Col. No. 21044. Jardin d'Essais de la Mission de Kisantu. Shrub to two meters high.

246688. *TEPHROSIA NOCTIFLORA* Bojer Fabaceae.

Col. No. 21033. Jardin d'Essais de la Mission de Kisantu. Plant to 80 cm. high.

246689. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

From Finland. Seeds furnished by the Research Center, Department of Plant Husbandry, Tikkurila. Received Mar. 14, 1958. Tetraploid.

246690 to 246726. *SORGHUM BICOLOR* (L.) Moench Poaceae.

From India. Seeds presented by the Rockefeller Foundation, New Delhi. Received Mar. 15, 1958.

246690 to 246692. Sirsa, Punjab 1956.

246690. No. 1015. I. C. 3670 (T/85).

246691. No. 1016. I. C. 3669 (T/83).

246692. No. 1017. I. C. 3668 (T/62).

246693 and 246694. Punjab 1956.

246693. No. 1018. I. C. 3666 (Type 29/1).

246694. No. 1019. I. C. 3663 (Type 263).

246695 to 246697. Kanpur, U. P. 1956.

246695. No. 1020. I. C. 4360 (T. 8B).

246696. No. 1021. I. C. 4359 (T. 318).

246697. No. 1022. I.C. 4348 (T. 3).
246698 to 246702. Delhi local. Delhi 1956.
246698. No. 1023. I.C. 1592.
246699. No. 1024. I.C. 1588.
246700. No. 1025. I.C. 1587.
246701. No. 1026. I.C. 1584.
246702. No. 1027. I.C. 1583.
246703. No. 1028. I.C. 3494. (Gwalior 10-7) Gwalior, M.P. 1956.
246704 and 246705. Nagpur 1956.
246704. No. 1029. I.C. 3443 (Improved Ramket).
246705. No. 1030. I.C. 3442 (Improved Saoner).
246706. No. 1031. I.C. 3441 (N.J. 156) Nagpur, Bombay 1956.
246707. No. 1032. I.C. 1517 (Early Prodigy) Gwalior, M. P.
246708 to 246719. Bombay.
246708. No. 1033. I.C. 1460 (Local) Surat.
246709. No. 1034. I.C. 3436 (Maldandi 35/1) Sholapur.
246710. No. 1035. I.C. 3527 (No. 8) Bhuwa, Surat.
246711. No. 1036. I.C. 3560 (Palitana Dholio-3) Aliabada.
246712. No. 1037. I.C. 3562 (Junagadh Dholio), Aliabada.
246713. No. 1038. I.C. 3563 (Verawal Dholio) Aliabada.
246714. No. 1039. I.C. 3536 (P.J. 5-R) Rabi Jowar, Parbhani.
246715. No. 1040. I.C. 3535 (S.E.S.) Parbhani.
246716. No. 1041. I.C. 3534 (P.J. 7-R) Rabi Jowar, Parbhani.
246717. No. 1042. I.C. 3533 (P.J. 4-R) Rabi Jowar, Parbhani.
246718. No. 1043. I.C. 3532 (P.J. 24-K) Parbhani.
246719. No. 1044. I.C. 3528 (P.J. 1-K) Parbhani.
246720 and 246721. Nandyal, Andhra 1956.
246720. No. 1045. I.C. 4315 (H.1).
246721. No. 1046. I.C. 4314 (N.1).
246722 to 246726. Coimbatore, Madras, 1956.
246722. No. 1047. I.C. 3782 (Co. 18).
246723. No. 1048. I.C. 3781 (Co. 12).
246724. No. 1049. I.C. 3779 (Co. 9).
246725. No. 1050. I.C. 3775 (Co. 1).
246726. No. 1051. I.C. 3777 (Co. 4).
246727 to 246752.
From Maryland. Seeds presented by the National Plant Materials Center,
Beltsville, Md. Received March 21, 1958.
Originally from the Madrid Botanical Garden, Madrid, Spain.
246727. *ASTRAGALUS CICER* L. Fabaceae.
BN-7876.
246728. *ASTRAGALUS* sp.
BN-7886. Received as *A. utriger* Pall. A low herbaceous perennial to
10 inches high with a 1.5 foot spread; flowers colored. A cool season plant
native to Asia Minor.

246729. *CORONILLA VIMINALIS* Salisb. Fabaceae.

BN-7891. A trailing shrub; flowers pale-red or white striped with red formed in small umbels. Native to Algeria, tender at Beltsville.

246730. *LOTUS CORNICULATUS* var. *CILIATUS* (Tenore) C. Koch Fabaceae.

BN-7905. Annual to 1.5 foot high; peduncle twice as long as leaf, 1-to-2-flowered; calyx longer than the tube; corolla yellow, keel obtuse-angled pod slender, straight, 5 to 7 times as long as calyx. Flowers April and May.

246731. *LOTUS TENUIS* Waldst. & Kit. ex Willd.

BN-7907. Perennial to 2 feet high, shrubby at the base; resembling *L. corniculatus*, except leaves are narrower and the flowers are usually pink. One of the few pasture-producing legumes of Australia. Plant somewhat poisonous (hydrocyanic acid).

246732 and 246733. *LOTUS CORNICULATUS* var. *CILIATUS* (Tenore) C. Koch
Trefoil.

246732. BN-7909.

246733. BN-8864.

246734. *LOTUS TENUIS* Waldst & Kit. ex Willd.

BN-7910.

246735. *LOTUS CORNICULATUS*.

Birdsfoot trefoil.

BN-7912. Perennial with trailing robust stems, often 2 feet long; flowers yellow, clustered in heads of 2 to 3.

246736 to 246739. *LOTUS TENUIS* Waldst. & Kit. ex Willd.

Trefoil.

246736. BN-7906.

246738. BN-7915.

246737 BN-7911.

246739. BN-7916.

246740 and 246741. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinnerr
Fabaceae. California burclover.

246740. BN-7921.

246741. BN-7929.

246742. *MEDICAGO SATIVA* L.

Alfalfa.

BN-7919.

246743. *ONONIS NATRIX* L. Fabaceae.

BN-8588. Showy shrub to three feet high; leaflets oblong, denticulate; flowers yellow, in terminal leafy racemes, standard striped with red; pods linear, about twice as long as calyx. Seeds 6 to 9, tuberculate.

246744. *PSORALEA BITUMINOSA* L. Fabaceae.

Scurf-pea.

BN-8690. Perennial to 3.5 feet high, leafy; flowers blue; calyx lobes subulate, longer than tube; pod hirsute, ovate, flattened, exserted beak.

246745 and 246746. *PSORALEA DENTATA* DC.

Perennial to one foot high, sparsely leaved; flowers white; keel purple.

246745. BN-8589.

246746. BN-8591.

246747. *PSORALEA TENAX* Lindl.

Erect, vigorous perennial to two feet high; flowers small, blue or purple, very shortly pedicellate in dense interrupted racemes; pod ovoid, slightly pubescent. Native to Australia.

246748. *PSORALEA BITUMINOSA* L.

Scurf-pea.

BN-7949. Perennial to two feet high with spreading habit. Native to Africa.

246749 and 246750. *TRIFOLIUM FRAGIFERUM* L. Fabaceae.

Strawberry clover.

246749. BN-7956.

246750. BN-7957.

246751. *TRIFOLIUM HYBRIDUM* L.

Alsike clover.

BN-7959.

246752. *TRIFOLIUM VESICULOSUM* Savi

BN-7961. Glabrous annual; stems elongate, ascending or diffuse; heads ovate; base usually naked; calyx teeth nearly equal; corolla purple.

246753 to 246783.

From Japan. Seeds presented by the Forestry Experiment Station, Ministry of Agriculture and Forestry, Aomori, Honshu. Received March 21, 1958.

246753. *ACANTHOPANAX DIVARICATUM* (Sieb. & Zucc.) Seem. Araliaceae.

Natsudomari Peninsula, Aomori Prefecture.

246754. *AMPELOPSIS BREVIPEDUNCULATA* var. *MAXIMOWICZII* (Regel) Rehder Vitaceae.

Mount Iwate, Iwate Prefecture.

246755. *ARDISIA JAPONICA* (Thunb.) Blume Myrsinaceae.

Sendai, Miyagi Prefecture.

246756. *ARUNDINELLA HIRTA* (Thunb.) C. Tanaka Poaceae.

Sendai, Miyagi Prefecture.

246757. *ASTER SCABER* Thunb. Asteraceae.

Nenoshiroishi near Sendai, Miyagi Prefecture.

246758. *ASTILBE THUNBERGII* var. *CONGESTA* Boissieu Saxifragaceae.

Aomori, Aomori Prefecture.

246759. *ASTILBE THUNBERGII* (Sieb. & Zucc.) Miq.

Sendai, Miyagi Prefecture.

246760. *CALAMAGROSTIS ARUNDINACEA* Roth Poaceae.

Reedgrass.

Sendai, Miyagi Prefecture.

246761 and 246762. *CAMELLIA JAPONICA* L. Theaceae.

Common camelia.

246761. Takata, southeastern limit, Iwate Prefecture.

246762. Tamaura, near Sendai, Miyagi Prefecture.

246763. *CHRYSANTHEMUM YEZOENSE* Maekawa Asteraceae.

Aomori, Aomori Prefecture.

246764. *CYMOPOGON TORTILIS* (Presl) Camus Poaceae.

Turpentine grass.

Sendai, Miyagi Prefecture.

246765. *HYPERICUM ERECTUM* Thunb. Hypericaceae.

St.-Johns-wort.

Aomori Branch Station, Shinoda, Okidate, Aomori City.

246766. *ISCHAEMUM ANTHEPHOROIDES* (Steud.) Miq. Poaceae.

Tamaura, near Sendai, Miyagi Prefecture.

246767. *ISCHAEMUM CRASSIPES* (Steud.) Thell.

Tamaura, near Sendai, Miyagi Prefecture.

246768. *LESPEDEZA STRIATA* (Thunb.) Hook. & Arn. Fabaceae.

Common lespedeza.

Tsurugasaka, near Aomori, Aomori Prefecture.

246769. *LESPEDEZA CUNEATA* (Dum.-Cours.) G. Don Fabaceae

Chinese lespedeza.

Sendai, Miyagi Prefecture.

246770. *LESPEDEZA* × *INTERMIXTA* Makino

Bushclover.

Tamaura, near Sendai, Miyagi Prefecture.

246771. *LESPEDEZA PILOSA* (Thunb.) Sieb. & Zucc. Bushclover.
Sendai, Miyagi Prefecture.
246772. *LILIUM AURATUM* Lindl. Liliaceae. Goldband lily.
Nenoshiroishi, near Sendai, Miyagi Prefecture.
246773. *MISCANTHUS SINENSIS* Anderss. Poaceae. Chinese silvergrass.
Sendai, Miyagi Prefecture.
246774. *NEOLITSEA SERICEA* (Blume) Koidz Lauraceae.
Sendai, Miyagi Prefecture.
246775. *POLYGONUM SACHALINENSE* F. Schmidt ex Maxim. Polygonaceae. Sacaline.
Mount Iwate, Iwate Prefecture.
246776. *ROSA RUGOSA* Thunb. Rosaceae. Rugosa rose.
Aomori, Aomori Prefecture.
246777. *SANGUISORBA OFFICINALIS* L. Rosaceae.
Sendai, Miyagi Prefecture.
246778. *SANGUISORBA TENUIFOLIA* var. *ALBA* Traut. & Mey.
Asamushi, near Aomori, Aomori Prefecture.
246779. *SCIRPUS FUIRENOIDES* Maxim. Cyperaceae.
Sendai, Miyagi Prefecture.
246780. *SORBARIA SORBIFOLIA* var. *STELLIPILA* Maxim. Rosaceae.
Aomori Branch Station, Shinoda, Okidate, Aomori City.
246781. *SPODIOPOGON SIBIRICUS* Trin. Poaceae.
Sendai, Miyagi Prefecture.
246782. *THEMEDA JAPONICA* (Willd.) C. Tanaka Poaceae. Redgrass.
Sendai, Miyagi Prefecture.
246783. *VICIA AMOENA* Fisch. Fabaceae.
Tsurugasaka, near Aomori, Aomori Prefecture.
246784. *CITROPSIS DAWEANA* Swing. & M. Kell. Rutaceae.
From Southern Rhodesia. Budsticks presented by the Agricultural Experiment Station, Federal Ministry of Agriculture, Causeway. Received March 26, 1958.
From Tree No. 1/6, Grove 42L, Mazoe Citrus Estate.
- 246785 to 246799. *HORDEUM VULGARE* L. Poaceae. Common barley.
From Colombia. Seeds presented by the Rockefeller Foundation, Bogota. Received March 27, 1958.
Collected from farmers' fields.
- | | |
|---|--------------------|
| 246785. C. N. 42 | 246791. C. N. 94. |
| 246786. C. N. 48. | 246792. C. N. 100. |
| 246787. C. N. 51. | 246793. C. N. 119. |
| 246788. C. N. 58. | 246794. C. N. 146. |
| 246789. C. N. 60. | 246795. C. N. 271. |
| 246790. C. N. 93. | 246796. C. N. 336. |
| 246797. DC.2N (1222 ('Fun' × 'Ki')) II-829-5B-4B-IT-5B (1-48N). | |
| 246798. DC.2N (1222 ('Fun' × 'Ki')) II-829-5B-4B-IT-3B (1-50N). | |
| 246799. DC.2N (1222 ('Fun' × 'Ki')) II-829-5B-4B-IT-4B (1-51N). | |

246800. CEROXYLON ANDICOLA Humb. & Bonpl. **Phoenicaceae.****Palm.**

From Panama. Plant presented by Mrs. Charles Morgan, Diabolo Heights.
Received March 27, 1958.

246801 to 246805. TRIFOLIUM REPENS L. **Fabaceae. Whiteclover.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received March 28, 1958.

246801. Ac. 24. Originally from Hohenheim, Germany.

246802. C.P.I. 13834. Originally from Canberra.

246803. 'Brunnings' Ladina'. (commercial strain.)

246804. 128-3—Diploid.

246805. 113-1—Tetraploid.

246806 and 246807. SIMMONDSIA CHINENSIS (Link) S. Schneid.**Buxaceae.****Joba.**

From Arizona and Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 28, 1958.

246806. Col. No. 16835. South of Camp Creek, Arizona.

246807. Col. No. 16845. By Rancho Santa Marta, Baja California, Mexico.

246808. CORONILLA VARIA L. **Fabaceae.****Crownvetch.**

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered March 28, 1958.

Endemic strain from the farm of Mrs. Margaret McIntire, between Decorah and Calmar, Winneshiek County, Iowa. Original source unknown. Very vigorous, used by Soil Conservation Service technicians for waterway protection, pasture and forage.

246809 to 246813. SACCHARUM (hybrid). **Poaceae. Sugarcane.**

From the United States Virgin Islands. Cuttings presented by the Virgin Islands, Agricultural Program, Kingshill, St. Croix. Received March 31, 1958.

246809. 'Brazilian'.

246812. 'Red Ribbon'.

246810. 'Old Jamaica'.

246813. 'White'.

246811. 'Old Java'.

246814 to 246925.

From Brazil. Plants collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 1, 1958.

Collected at Vivero Manequinho Lopes, Sao Paulo.

246814. ABELIA sp. **Caprifoliaceae.**

Col. No. 18359. Shrub to 10 feet high; flowers pale pinkish to white.

246815. ABUTILON MEGAPOTAMICUM St. Hil. & Naud. **Malvaceae.**

Col. No. 18321. 'Campinha; Bencoa de Deus'. Creeper with campanulate flowers.

246816. ACACIA CULTRIFORMIS A. Cunn. **Mimosaceae.****Knife acacia.**

Col. No. 18388. Wide spreading shrub to 25 feet high; leaves silvery-gray; flowers fragrant, yellow.

246817. ACALYPHA sp. **Euphorbiaceae.**

Col. No. 18329. 'Cauda de Reposo'. Dwarf-red variety to 18 inches high.

246818. ACALYPHA sp.

Col. No. 18330. 'Marmorata'. Marbled variety; leaves green, margined with creamy-white.

- 246819 to 246821. *ACALYPHA WILKESIANA* Muell.-Arg.
 246819. Col. No. 18331. Shrub to 10 feet high.
 246820. Col. No. 18332. Shrub to 10 feet high.
 246821. Col. No. 18333. Shrub to 10 feet high.
246822. *AGLAIA ODORATA* Lour. Meliaceae.
 Col. No. 18387. Shrub to 18 feet high; foliage dark green.
246823. *ALLAMANDA SCHOTTII* Pohl. Apocynaceae.
 Col. No. 18339. Woody climber; flowers clear yellow.
246824. *AMARANTHUS TRICOLOR* L. Amaranthaceae.
 Col. No. 18429. Garden of Alberto Marques.
246825. *ARRHENATHERUM ELATIUS* var. *BULBOSUM* f. *STRIATUM* (Hubbard) L.B. Sm. Poaceae.
246826. *ASPIDOSPERMA POLYNEURON* Muell.-Arg. Apocynaceae.
 Col. No. 18414. 'Peroba Rosa'. Tree to 75 feet high; flowers small, white.
246827. *HOMALOCADIUM PLATYCLADUM* (F. Muell.) Bailey. Asteraceae.
 Col. No. 18380. 'Carqueja'. Plant to 12 feet high; leaves light green; flowers minute, white.
246828. *BAUHINIA* sp. Caesalpinaceae.
 Col. No. 18328. 'Unha de Yacca'. Slender shrub to 9 feet high; flowers white, at tips of branchlets.
246829. *BELOPERONE* sp. Acanthaceae.
 Col. No. 18406. Bush to 6 feet high, usually in fairly dense clumps.
246830. *BOUGAINVILLEA SPECTABILIS* Willd. Nyctaginaceae.
 Great bougainvillea.
 Col. No. 18420. 'Tres Marias'. Flowers purple.
246831. *CAESALPINIA ECHINATA* Lam. Caesalpinaceae.
 Col. No. 18351. 'Pau Brasil'. Tree to 20 feet high. Grows best in hot climate, especially along the coast.
246832. *CAESALPINIA PULCHERRIMA* (L.) Swartz. Flowerfence.
 Col. No. 18350. Tall shrub or small tree to 12 feet high; flowers large, yellow or orange-red.
246833. *CALLIANDRA* sp. Mimosaceae.
 Col. No. 18346. 'Inga Pulcherrima Vermelho'. Shrub to 6 feet high, rather dense and wide-spreading; stamens scarlet.
246834. *CASSIA MULTIJUGA* L. Rich. Caesalpinaceae. Senna.
 Col. No. 18405. 'Canuda du Peto'. Tree to 25 feet high; flowers bright yellow, in showy sprays.
246835. *CASUARINA SUBEROSA* Otto & Dietr. Casuarinaceae.
 Col. No. 18369. 'Casuarina Saborosa'. Tree to 60 feet high; needles purplish-brown.
246836. *CEDRELA* sp. Meliaceae.
 Col. No. 18349. 'Cedro'. Tree to 60 feet high.
246837. *CESTRUM* sp. Solanaceae.
 Col. No. 18344. 'Dama de Noite'. Shrub to 12 feet high; flowers small, greenish-white, with a cloverlike fragrance at night.
246838. *CHORISIA SPECIOSA* St. Hil. Bombacaceae. Floss-silk tree.
 Col. No. 18382. 'Paineira Branca'. Tree to 70 feet high, with rounded crown; flowers red at tip and white at base.

246839. *CLERODENDRUM THOMSONAE* Balf. f. Verbenaceae. Thomson glorybower.
Col. No. 18353. 'Largrima Cristi'. Woody vine; flowers white with red centers.
246840. *COLEUS* sp. Menthaceae.
Col. No. 18336.
246841. *CROTON ADIPATUS* H. B. K. Euphorbiaceae.
Col. No. 18325. Shrubs to 3 feet high; leaves linear dark-green with yellow markings.
246842. *CUPRESSUS SEMPERVIRENS* L. Pinaceae. Italian cypress.
Col. No. 18366. Tree to 60 feet high, with dark green pyramidal crown.
246843. *DELONIX REGIA* (Boj.) Raf. Caesalpinaceae. Royal poinciana.
Col. No. 18409. 'Flamboyant'. Small to medium-sized tree.
246844. *CORDYLINE INDIVISA* (Forst.) Steud. Liliaceae. Blue dracena.
Col. No. 18404. Plant to 18 feet high; trunk erect; flowers white, in large clusters.
246845. *CORDYLINE BAUERI* Hook. f.
Col. No. 18391. Plant to 15 feet high; leaves with creamy-yellow strip along center.
246846. *DRACAENA* sp. Liliaceae.
Col. No. 18392. Plant to 18 feet high; leaves light- to deep-purple.
246847. *CORDYLINE AUSTRALIS* (Forst.) Hook. Liliaceae. Green dracena.
Col. No. 18393. 'Veitchii'. Plant to 6 feet high; leaves dark green with thin brown edge.
246848. *DRACAENA* sp. Liliaceae
Col. No. 18394. Plant to 6 feet high; young leaves pale purplish.
246849. *DRACAENA* sp.
Col. No. 18395. Plant to 9 feet high.
246850. *DRACAENA* sp.
Col. No. 18396. Plant to 9 feet high; leaves uniform green.
246851. *COTYLEDON GIBBIFLORA* Moc. & Sesse Crassulaceae.
Col. No. 18401. Low plant; leaves thick, gray. Suitable for borders.
246852. *ERYTHROXYLON COCA* Lam. Erythroxylaceae. Cocaine-plant.
Col. No. 18355. Shrub to 3 feet high; foliage yellowish-green.
246853. *ESENBECKIA LEIOCARPA* Engl. Rutaceae.
Col. No. 18417. 'Guaranta'. Tree to 55 feet high; wood hard, suitable for ax handles.
246854. *EUCALYPTUS PULVERULENTA* Sims Myrtaceae.
Col. No. 18322. Tree to 30 feet high; bark white, ribbony; young leaves very glaucous, mature leaves cordate to elliptic.
246855. *EUONYMUS* sp. Celastraceae.
Col. No. 18373. Plant to 2.5 feet high; leaves small, dark green.
246856. *EUONYMUS* sp.
Col. No. 18386. Evergreen shrub to 15 feet high; leaves dark-green, with creamy-border.
246857. *EUONYMUS* sp.
Col. No. 18407. Shrub to 2 feet high; young leaves yellowish.

246858. *EUPHORBIA SPENDENS* Boj. Euphorbiaceae.

Col. No. 18408. Small shrub used for hedge rows; flowers clustered, scarlet.

246859. *FIGUS BENJAMINA* L. Moraceae.

Benjamin fig.

Col. No. 18372. Wide-spreading tree; leaves small, lustrous. Planted for hedges.

246860 and 246861. *FIGUS ROXBURGHII* Wall.

Roxburgh fig.

246860. Col. No. 18390. Tree to 100 feet high; crown round, full; fruit is clustered along trunk and branches.

246861. Col. No. 18412. Tree to 30 feet high; crown wide-spreading umbel-shaped; fruit clustered along trunk and main branches.

246862. *FIELDIA* sp. Gesneriaceae.

Col. No. 18398. Plant to one foot high; flowers yellow.

246863. *GENISTA* sp. Fabaceae.

Col. No. 18354. 'Genista Amarelho'. Shrub to 10 feet high.

246864. *GNAPHALIUM JAPONICUM* Thunb. Asteraceae.

Col. No. 18337. Plant to 18 inches high; leaves grayish, with thick pubescence.

246865. *HOLOCALYX* sp. Caesalpiniaceae.

Col. No. 18419. Tree to 45 feet high; flowers small, white.

246866. *HYMENOCALLIS* sp. Amaryllidaceae.

Col. No. 18375. Flowers orange-yellow.

246867. *HYMENOCALLIS FLAVA* L.

Col. No. 18376. Leaves to 15 inches long; flowers light yellow.

246868. *OSMANTHUS HETEROPHYLLUS* (G. Don) P. S. Green Oleaceae.

Col. No. 18377. Tree to 15 feet high, but does not produce berries in Sao Paulo.

246869. *IRESINE LINDENII* Van Houtte Amaranthaceae.

Col. No. 18335. Foliage deep red.

246870. *IRIS GERMANICA* L. Iridaceae.

German iris.

Col. No. 18400. 'Lirio Azul'. Leaves to 18 inches long; flowers purplish.

246871. *MORAEA IRIDIODES* L. Iridaceae.

Iris moraea.

Col. No. 18399. Plant with dark green foliage; flowers white, center darker.

246872. *JACARANDA MIMOSIFOLIA* D. Don Bignoniaceae.

Green-ebony.

Col. No. 18413. Tree to 30 feet high; trunk upright; flowers blue.

246873. *JASMINUM* sp. Oleaceae.

Col. No. 18370. Shrub to five feet high; flowers white, very fragrant, suggesting a small rose in appearance.

246874. *JASMINUM MULTIFLORUM* (Burm. f.) Andrews

Jasmine.

Col. No. 18368. Climber; flowers white, in clusters, very fragrant.

246875. *LAGERSTROEMIA INDICA* L. Lythraceae.

Common crapemyrtle.

Col. No. 18416. Shrub or tree to 30 feet high.

246876. *MICHELIA FUSCATA* Blume Magnoliaceae.

Col. No. 18378. Shrub to eight feet high; foliage dense; flowers purplish to white.

246877. *MAGNOLIA* sp. Magnoliaceae.

Col. No. 18347. 'Magnolia Branca'. Tree to 30 feet high; flowers said to be large and white.

246878. *MELIA AZEDARACH* L. Meliaceae. **Chinaberry.**
Col. No. 18410. 'Paraiso Cinamomo'. Rapid growing tree to 55 feet high; foliage dense.
246879. *MESEMBRYANTHEMUM VARIABLE* Haw. Aizoaceae. **Figmarigold.**
Col. No. 18402. Low succulent plant; flowers rose colored or yellow.
246880. *MICHELIA CHAMPACA* L. Magnoliaceae. **Champac.**
Col. No. 18381. 'Magnolia Amarelha'. Tree to 30 feet high; leaves large, lanceolate; flowers greenish-yellow, fragrant.
246881. *MUEHLENBECKIA* sp. Polygonaceae.
Col. No. 18342. Stems to three feet high.
246882. *SERISSA FOETIDA* (L.f.) Lam. Rubiaceae.
Col. No. 18338. Shrub to three feet high, used as a hedge; flowers white, small.
246883. *NERIUM OLEANDER* L. Apocynaceae. **Oleander.**
Col. No. 18348. 'Espirradaria'. Shrub to 12 feet high; flowers deep rose-colored.
246884. *OCHNA* sp. Ochnaceae.
Col. No. 18358. Shrub to eight feet high; foliage dark green, suitable for hedges; flowers yellow.
246885. *CHLOROPHYTON CAPENSE* (L.) Kuntze Liliaceae.
Col. No. 18421. Leaves to 15 inches long with creamy-white center stripe.
246886. *PELARGONIUM* sp. Geraniaceae.
Col. No. 18397. Climbing plant; flowers rose-colored, in large clusters.
246887. *ANTHERICUM* sp. Liliaceae.
Col. No. 18422. Suitable as a border plant.
246888. *PHILADELPHUS* sp. Hydrangeaceae.
Col. No. 18360. Shrub to 9 feet high; flowers white.
246889. *PHOENIX ROEBELENI* O'Brien Phoenicaceae. **Palm.**
Col. No. 18411. Palm to 12 feet high; leaves pinnate, long.
246890. *PILEA* sp.
Col. No. 18323. Small ornamental plant.
246891. *PIPTADENIA COMMUNIS* Benth. Mimosaceae. **Cebil.**
Col. No. 18371. 'Jacare'. Tree to 75 feet high with a rounded crown; bark rough.
246892. *PITTOSPORUM UNDULATUM* Vent. Pittosporaceae. **Orange pittosporum.**
Col. No. 18327. Wide-spreading shrub to 10 feet high.
246893. *PODOCARPUS SELLOWII* Klotzsch. Taxaceae.
Col. No. 18379. Tree to 45 feet high.
246894. *POPULUS NIGRA* var. *ITALICA* Muenchh. Salicaceae. **Lombardy poplar.**
Col. No. 18383. Tall tree with narrow crown; branches slender.
246895. *PYRACANTHA* sp. Malaceae. **Firethorn.**
Col. No. 18318. Shrub to 15 feet high; flowers small, white; fruit orange.
246896. *RUSSELIA* sp. Scrophulariaceae.
Col. No. 18340. Plant to 3 feet high; flowers small, scarlet.

246897. *SALIX BABYLONICA* L. Salicaceae. **Babylon weeping willow.**
Col. No. 18345. Tree to 30 feet high.
246898. *SALVIA* sp. Menthaceae.
Col. No. 18374. Plant to 3 feet high; leaves medium to dark-green; flowers clustered, deep pink.
246899. *SANCHEZIA* sp. Acanthaceae.
Col. No. 18326. Shrub to 3 feet high; leaves green with yellowish venation.
246900. *SANSEVIERIA* sp. Liliaceae.
Col. No. 18403. Leaves to 3 feet long.
246901. *SANSEVIERIA* sp.
Col. No. 18415. Leaves dark-green with gray bands and yellow edge.
246902. *SCHIZOLOBIUM PARAHYBUM* (Vell.) Blake Caesalpinaceae. **Bacurubu.**
Col. No. 18357. 'Guapuruvu'. Fast-growing tree to 75 feet high.
246903. *SELAGINELLA* sp. Selaginellaceae.
Col. No. 18433. A good ground cover in shade.
246904. *SOLANUM HENDERSONII* W. F. Wight Solanaceae.
Col. No. 18341. Plant to 2.5 feet high; fruit deep orange.
246905. *SOLANUM SEAFORTHIANUM* Andr. **Brazilian nightshade.**
Col. No. 18389. Climber with purplish or blue flowers.
246906. *SPIRAEA DISCOLOR* Pursh Rosaceae.
Col. No. 18361. 'Cora de Noiva'. Wide-spreading, bushy shrub to 9 feet high; flowers white.
246907. *STACHYS PALAESTINA* L. Menthaceae.
Col. No. 18384. 'Orelho de Urso'. Small plant; leaves thick furry, silver-gray.
246908. *STROBILANTHES* sp. Acanthaceae.
Col. No. 18343. Plant to 5 feet high; leaves dark green above, purplish iridescent below.
246909. *TAMARIX* sp. Tamaricaceae.
Col. No. 18352. Tree to 45 feet high, erect.
246910. *TECOMA LAPACHO* K. Schum. Bignoniaceae.
Col. No. 18320. Tree to 30 feet high; flowers golden-yellow.
246911. *THUNBERGIA ERECTA* (Benth.) Anders. Acanthaceae. **Clockvine.**
Col. No. 18363. Shrub to six feet high; flowers blue-purple with creamy-white throat.
246912. *THUNBERGIA LAURIFOLIA* Lindl. **Laurel clockvine.**
Col. No. 18362. 'Carulia'. Shrub becoming scandent; flowers purplish.
246913. *TIBOUCHINA HOLOSERICEA* Baill. Melastomataceae.
Col. No. 18317. Shrub to nine feet high; flowers purplish.
246914. *TIBOUCHINA* sp.
Col. No. 18319. Tree to 30 feet high; flowers rosy-pink.
246915. *TIBOUCHINA* sp.
Col. No. 18431. Shrub to four feet high, fairly wide-spreading; flowers deep wine-colored.
246916. *TRADESCANTIA* sp. Commelinaceae.
Col. No. 18365. Leaves form a large rosette; flowers pale purple to red.

246917. *VANILLA PLANIFOLIA* Andr. Orchidaceae. Mexican vanilla.
Col. No. 18385. 'Baunilha'.
246918. *WISTERIA SINENSIS* (Sims) Sweet Fabaceae. Chinese wisteria.
Col. No. 18418. Climber; flowers fragrant, lilac-colored in pendent clusters.
246919. *EUGENIA* sp. Myrtaceae.
Col. No. 18324. Grown as a hedge to 10 feet high; flowers small, white.
246920. *MALPIGHIA COCCIGERA* L. Malpighiaceae.
Col. No. 18356. 'Sapato de Judeo'. Woody vine; flowers purplish.
246921. (Undetermined.)
Col. No. 18367. Woody vine; flowers white with purple throat.
246922. (Undetermined.)
Col. No. 18434. No field note.
246923. *PHILADELPHUS* sp. Hydrangeaceae.
Col. No. 18360. See note under P.I. 246888.
246924. *OPUNTIA* sp. Cactaceae.
Col. No. 18223. See note under P.I. 246668.
246925. (Undetermined.)
No number or field note.

246926 and 246927.

From Africa. Bulbs collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 2, 1958.

246926. *GLADIOLUS* sp. Iridaceae.
Col. No. 21422. In mountains about 75 km. west of Astrida, Ruanda-Urundi. Plants to 1 meter high; flowers fairly large, orange-red, wild.
246927. *GLADIOLUS* sp. Iridaceae.
Col. No. 21453. Northern Rhodesia, border with Belgian Congo, about 50 km. southeast of Elizabethville.

246928 to 246932.

From Afghanistan. Seeds presented by the United States Operations Mission, Kabul. Received April 2, 1958.

246928. *BRASSICA RAPA* L. Brassicaceae. Turnip.
Roots not uniform in shape but the spherical form predominates, red-skinned, of good quality; leaves smooth.
246929. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.
Mixed seeds from choice melons purchased in Kabul bazaars, mostly from firm-fleshed fruits, similar to 'Casaba' or 'Honeydew', but of various shapes, size, flesh color and flavor.
246930. *CUCUMIS SATIVUS* L. Cucumber.
From Jalalabad. Plant vigorous and prolific; fruit short, cylindrical, early; skin smooth, brown, leatherlike when ripe; spines black.
246931. *LUFFA ACUTANGULA* (L.) Roxb. Cucurbitaceae Singkwa towelgourd.
Aliabad Experiment Station, Kabul. Edible gourd of medium size; skin gray with geometric ridging on the surface; flesh somewhat gelatinous in texture; flavor good.
246932. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.
Purchased at Dural-malamine, near Kabul. A long-fruited, midseason type, golden yellow at maturity.

246933 and 246934.

From Great Britain. Plants presented by George Jackman & Son, Woking, Surrey, England. Received April 2, 1958.

246933. *FRAXINUS EXCELSIOR* L. Oleaceae. **European ash.**
'Aurea'.

246934. *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**
'Gibbs Golden Gage'. A self-continuing race of very small ornamental trees. Usually called the 'Paradise' apple.

246935 to 246988.

From Ecuador. Collected by Donovan S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 2, 1958. Tubers unless otherwise noted.

246935. *BEGONIA* sp. Begoniaceae.

Col. No. E-329. High banks along river near Guaseintos, Chimborazo. Elevation 2,400 meters. Stems and leaves from bulbous base.

246936. *IPOMOEA* sp. Convolvulaceae.

Col. No. E-378. On small farm, Yungquilla Pasuba, Azuay. Tuber, skin and flesh white.

246937. *SOLANUM* sp. Solanaceae.

Col. No. E-301. 'Castilla'; 'Limona'. Near Tacunga, Cotopaxi. Tubers globose-irregular; skin bronze; eyes deep; flesh deep golden-yellow. Very appetizing.

246938. *SOLANUM* sp.

Col. No. E-302. 'Chucopapa'. Origin near Riobamba; grown at Simon Rodriguez Agricultural School, Zatacunga. Tubers ellipsoid; skin purplish; eyes shallow; flesh whitish.

246939. *SOLANUM* sp.

Col. No. E-303. 'Jardinera'. Market, Ambato. Tubers ellipsoid compressed; skin reddish-purple; flesh yellowish.

246940. *SOLANUM* sp.

Col. No. E-315. 'Chaucha'. Market, Tungurahua. Tubers oval; skin purple; eyes deep; flesh yellowish-white.

246941. *SOLANUM* sp.

Col. No. E-316. 'Leona Nigra'. Market, Banos, Tungurahua. Tubers globose, compressed; skin purplish; eyes shallow; flesh yellow.

246942. *SOLANUM* sp.

Col. No. E-317. 'Santa Rosa'. Market, Banos, Tungurahua. Tubers ellipsoid to ovoid; skin light brown; eyes shallow; flesh deep yellow.

246943. *SOLANUM* sp.

Col. No. E-318. 'Yungara Negra'. Market, Banos, Tungurahua. Tubers globose; skin purple; eyes shallow; flesh deep yellow.

246944. *SOLANUM* sp.

Col. No. E-324. 'Uvilla No. 2'. Market, Riobamba, Chimborazo. Tubers globose; skin black; eyes shallow; flesh yellow.

246945. *SOLANUM* sp.

Col. No. E-325. 'Uvilla No. 1'. Market, Riobamba, Chimborazo. Tubers globose; skin flesh-color; eyes shallow; flesh yellow.

246946. *SOLANUM* sp.

Col. No. E-325. 'Jubalena'. On farm, vicinity of Riobamba, Chimborazo. Tubers ellipsoid, compressed; skin tan with a purple band; eyes shallow; flesh yellow.

246947. SOLANUM sp.

Col. No. E-326. 'Leona Blanca Puro'. Market, Riobamba, Chimborazo. Tubers irregularly round; skin white; eyes deep; flesh yellow.

246948. SOLANUM sp.

Col. No. E-327. Market, Riobamba, Chimborazo. Tubers globose, compressed; skin white; eyes purplish, white; flesh yellow.

246949. SOLANUM sp.

Col. No. E-328. 'Tulca'. Market, Riobamba, Chimborazo. Tubers ovoid, compressed; skin reddish-purple; eyes shallow; flesh yellow.

246950. SOLANUM sp.

Col. No. E-329. 'Santa Rosa'. Market, Riobamba, Chimborazo. Tubers ellipsoid, skin and flesh yellow, eyes shallow.

246951. SOLANUM sp.

Col. No. E-330. 'Suscalena'. Market, Riobamba, Chimborazo. Tubers globose; skin bronze-purple; eyes small; flesh yellowish-white.

246952. SOLANUM sp.

Col. No. 331. 'Leona No. 1'. Market, Riobamba, Chimborazo. Tubers globose, compressed; skin dull purple; eyes shallow; flesh yellow.

246953. SOLANUM sp.

Col. No. E-332. Market, Riobamba, Chimborazo. Tubers ellipsoid; skin pink; eyes shallow; flesh yellowish-white.

246954. SOLANUM sp.

Col. No. E-335. On brushy slope near river, just south of Guaseintos, Chimborazo. Plant low, bushy; tubers globose, to 3 cm. in diameter; flowers pink-lavender, rotate-stellate.

246955. SOLANUM sp.

Col. No. E-338. Road to Cuenca, south of Canas, on a plateau. Plants about 31 cm. high; leaves deep shiny green above, grayish-green below; tubers small, ellipsoid to 3 cm. long; flowers purple-lavender, rotate.

246956. SOLANUM sp.

Col. No. E-373. 'Cordillera'. In wet area in Alpachaca, 43 kms. from Cuenca. Elevation 3,100 meters. Tubers globose, ellipsoid; ivory-white.

246957. SOLANUM sp.

Col. No. E-374. Wet thicket area in small valley, 56 km. from Cuenca on road to Loja. Elevation 3,100 meters. Flowers lavender.

246958. SOLANUM sp.

Col. No. E-376. Open hillside, 68 km. from Cuenca on road to Loja. Tubers ellipsoid; flowers lavender.

246959. SOLANUM sp.

Col. No. E-381. Among brush in clearings on upper slopes of Villonaco, 15 km. from Loja, on road to Catamayo. Plants bushy; leaves dark green above, lighter beneath; tubers to 5 cm. long; flowers stellate to rotate-stellate, white with lavender stripes on back.

246960. SOLANUM sp.

Col. No. E-385. About 15 km. from Loja, on road to Amora. Tubers globose or ellipsoid, brittle and white; flowers light lavender to white marked with lavender, rotate; fruits ovoid.

246961. SOLANUM sp.

Col. No. E-385. (Seeds.)

246962. SOLANUM sp.

Col. No. E-412. On open slope between Santiago and Lucas, Loja. Elevation 2,900 meters. Flowers pale lavender-white, rotate; fruits ovoid, up to 3 cm. long.

246963. SOLANUM sp.

Col. No. E-422. Near La Jarata, 67 km. south of Cuenca on road to Loja, Azuay. In opening on brushy slope; flowers lavender-blue.

246964. SOLANUM sp.

Col. No. E-426. 'Jubalena'. Market, Cuenca. Tubers globose; skin white and pink; eyes shallow; flesh yellowish-white.

246965. SOLANUM sp.

Col. No. E-427. 'Bolona Blanca'. Market, Cuenca. Tubers ellipsoid; skin white; eyes small; flesh creamy-yellow.

246966. SOLANUM sp.

Col. No. E-428a. Grown on Hacienda San Isidro, Cuenca. Tubers globose and ellipsoid; skin reddish-purple; eyes shallow; flesh yellowish-white.

246967. SOLANUM sp.

Col. No. E-428b. Grown on Hacienda San Isidro, Cuenca. Tubers globose, almost passe.

246968. SOLANUM sp.

Col. No. E-429a. Grown on Hacienda San Isidro, Cuenca. Tubers globose; eyes shallow; skin white with reddish tinge; flesh yellow.

246969. SOLANUM sp.

Col. No. E-429b. 'Bolona Negra'. Grown on Hacienda San Isidro, Cuenca. Tubers globose; skin purplish-black; eyes small, shallow; flesh yellowish-white.

246970. SOLANUM sp.

Col. No. E-437. San Juan 13 km. from Guaranda, Bolivar. Elevation 4,000 meters. Plants low, bushy; tubers small, ellipsoid, about 1.5 cm. long; flowers rotate, deep lavender; fruits ovoid, 2.5 cm. long.

246971. SOLANUM sp.

Col. No. E-437. (Seeds.)

246972. SOLANUM sp.

Col. No. E-438. 'Chumbe Leona'. Grown near Guaranda, Bolivar. Tubers globose; skin reddish-pink; eyes small; flesh yellowish.

246973. SOLANUM sp.

Col. No. E-439. 'Uvilla Blanca'. Near Guaranda, Bolivar. Tubers globose; skin white with black band; eyes round, rather deep; flesh creamy-white.

246974. SOLANUM sp.

Col. No. E-440. 'Tulca'. Vicinity of Guaranda, Bolivar. Tubers narrow, ovoid; skin purplish-red; eyes shallow; flesh creamy-white.

246975. SOLANUM sp.

Col. No. E-444. 'Tacanguilla'. Farm near Salcedo. Tubers globose; skin white with pink blush; eyes shallow; flesh cream-color.

246976. SOLANUM sp.

Col. No. E-445. 'Leona Negra'. Small farm near Salcedo. Tubers globose; skin deep purple; eyes shallow; flesh creamy-yellow.

246977. SOLANUM sp.

Col. No. E-446. 'Chola'. Small farm near Salcedo. Tubers ellipsoid; skin deep pink; eyes shallow; flesh cream-color.

246978. SOLANUM sp.

Col. No. E-447. 'Jardinera'. Small farm near Salcedo. Tubers globose, ellipsoid, somewhat compressed; skin reddish-purple; eyes shallow; flesh deep yellow.

246979. SOLANUM sp.

Col. No. E-488. Small farm near Salcedo. Tubers globose, ellipsoid; skin light bronze-color; eyes broad, shallow; flesh creamy-white.

246980. *SOLANUM* sp.

Col. No. E-449. Paramo of Cotopaxi between Latacunga and Quito. Elevation 3,750 meters. Tubers ellipsoid, about 3 cm. long; fruits ovoid, 2 cm. long.

246981. *SOLANUM* sp.

Col. No. E-449. (Seeds.)

246982. *SOLANUM* sp.

Col. No. E-453. 'Jose Catota'. Vicinity of Saquisili, Cotopaxi. Elevation 3,000 meters. Tubers ellipsoid; skin purplish-red; eyes shallow; flesh creamy-white.

246983. *SOLANUM* sp.

Col. No. E-454. 'Tacanquilla'. Vicinity of Saquisili, Cotopaxi, Elevation 3,000 meters. Tubers ellipsoid; skin mottled with pink; eyes deep; flesh whitish.

246984. *SOLANUM* sp.

Col. No. E-455. 'Clavache'. Vicinity of Saquisili, Cotopaxi. Elevation 3,000 meters. Tubers banana-shaped; skin pink-bronze; eyes obscure; flesh yellowish-white.

246985. *SOLANUM* sp.

Col. No. E-456. 'Allco Chaqui'. Grown by Indians above Saquisili, Cotopaxi. Elevation 3,000 meters. Tubers reddish and purplish-black; flesh yellow.

246986. *SOLANUM* sp.

Col. No. E-457. 'Sole Blanca'. Vicinity of Saquisili, Cotopaxi. Elevation 3,000 meters. Tubers ellipsoid; skin white; eyes deep set; flesh whitish.

246987. *SOLANUM* sp.

Col. No. E-458. 'Olashuyo Negra'. Vicinity of Saquisili, Cotopaxi. Elevation 3,000 meters. Tubers ellipsoid; skin purplish-black; eyes shallow; flesh whitish.

246988. (Undetermined.)

Col. No. E-452. From a native of Quito, who says they are 'Papas del Monte'.

246989 to 246992.

From Belgian Congo. Plants collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 2, 1958.

Forty-three km. northeast of Elizabethville.

246989. *SANSEVIERIA* sp. Liliaceae.

Col. No. 21446. Broad, mottled leaves to 50 cm. long and 10 cm. wide.

246990. *SANSEVIERIA* sp.

Col. No. 21448. Leaves about 70 cm. long, canaliculate, and thick at the base.

246991. *SANSEVIERIA* sp.

Col. No. 21449. A terete-leaved species. Leaves to 1 meter long and 5 cm. in diameter.

246992. *SANSEVIERIA* sp.

Col. No. 21457. (No field note.)

246993. *SECHIMUM EDULE* (Jacq.) Sw. Cucurbitaceae. **Chayote.**

From Florida. Seeds presented by J. W. Lowe, Homestead. Received April 28, 1958.

246994. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

From Greece. Seeds presented by the Agricultural Attache, Athens. Received April 3, 1958.

Originally from the Island of Rhodes. Ten to 14 days earlier than 'New Hampshire Victory' under similar conditions.

246995. SOLANUM sp. Solanaceae.

From Ecuador. Seeds collected by Donovan S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 3, 1958.

Col. No. E-412. Open slope between Santiago and San Lucas, Loja Province. Flowers pale lavender-white, rotate; fruits ovoid.

246996. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From the Bahamas. Seeds presented by Wallace and Tiernam Inc., Bellsville, New Jersey. Received April 3, 1958.

Random samples from native plants on the Island of Andros.

246997 to 247005.

From the Union of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Newlands, Cape Province. Received April 4, 1958.

246997. CALPURINA SYLVATICA E. Mey. Fabaceae.
No. 96.

246998. EURYOPS PECTINATUS Cass. Asteraceae.
No. 278.

246999. LAMPRANTHUS AUREUS (L.) N. E. Brown Aizoaceae.
No. 398.

247000. LAMPRANTHUS MULTIRADIATUS (Jacq.) N. E. Brown
No. 407.

247001. LAMPRANTHUS PITTENII (L. Bolus) N. E. Brown
No. 409.

247002. LAMPRANTHUS ROSEUS (Willd.) Schwantes.
No. 411.

247003. LEUCOSPERMUM NUTANS R. Br. Proteaceae.
No. 442.

247004. MELIANTHUS MAJOR L. Bersamaceae.
No. 482.

247005. PHAENOCOMA PROLIFERA D. Don Asteraceae.
No. 525.

247006 and 247007.

From Lebanon. Seeds presented by the Food and Agricultural Organization, Beirut. Received April 7, 1958.

247006. MEDICAGO (hybrid). Fabaceae.

No. 15. Endemic natural hybrid, (*M. sativa* × *M. falcata*); wide range of flower color and growth transition. Elevation 1,500 meters. Annual rainfall 1,350 mm.; snow December to March, dry in summer.

247007. ORYZOPSIS HOLCIFORMIS (Bieb.) Hack. Poaceae. Ricegrass.

No. 41. Native pasture species. Elevation 1,750 meters. No rain May or June to October. Good regeneration.

247008 to 247020.

From Brazil. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 7, 1958.

Collected from Botanical Garden, Rio de Janeiro, except where otherwise noted.

247008. ANEIMIA sp. Schizaeaceae.

Col. No. 18160. Corcovado, above Rio de Janeiro. On slopes, usually among rocks, in deep shade.

247009. *BALAKA SEEMENII* Becc. *Phoenicaceae*. Palm.
Col. No. 18165. Plant to 15 feet high; trunk slender.
247010. *BESLERIA* sp. *Gesneriaceae*.
Col. No. 18159. Shrub to 2.5 feet high; flowers yellow.
247011. *CHRYSLIDOCARPUS LUTESCENS* (Bory) H. Wendl. *Phoenicaceae*.
Yellow palm.
Col. No. 18171. 'Palmeira Bambu'. Canes to 45 feet high in large dense clumps; stems slender.
247012. *COMBRETUM AUBLETII* DC. *Combretaceae*.
Col. No. 18173. 'Escova de Macaco'. Fairly stout woody vine; flowers deep reddish-pink.
247013. *CYRTOSTACHYS RENDA* Blume *Phoenicaceae*. Palm.
Col. No. 18167. 'Palmeira Laca'. Canes to 40 feet high in dense clumps.
247014. *DENEA FORSTERIANA* (F. Muell.) O. F. Cook *Phoenicaceae*. Palm.
Col. No. 18168. Plant slender, to 20 feet high; leaves few.
247015. *DESMONCUS PYCNACANTHOS* Mart. *Phoenicaceae*. Palm.
Col. No. 18166. 'Jacitara'. Climbing plant with recurved spines.
247016. *DICTYOSPERMA* sp. *Phoenicaceae*. Palm.
Col. No. 18170. Plant to 15 feet high.
247017. *IMPATIENS* sp. *Impatiaceae*.
Col. No. 18156. 'Beijo de Moca'. Corcovado, above Rio de Janeiro. Plant to 15 inches high; flowers salmon-pink. Common on the slopes of Corcovado roadsides.
247018. *PINANGA SPECTABILIS* Batal, ex Becc. *Phoenicaceae*. Palm.
Col. No. 18172. Slender palms to 30 feet high; leaves few; fruits deep red; pulp dark-reddish.
247019. *RICINUS COMMUNIS* L. *Euphorbiaceae*. Castorbean.
Col. No. 18222. 'Mamao Vermelha'. Petropolis, State of Rio de Janeiro. Elevation 2,500 feet.
247020. *SALVIA SPLENDENS* Ker *Menthaceae*. Scarlet sage.
Col. No. 18157. Slopes of Corcovado, above Rio de Janeiro. Common along roadside.
- 247021 to 247026. *MALUS* (hybrids). *Malaceae*.
From Demark. Scions presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received Apr. 7, 1958.
247021. 'Cox's Orange'. 'Blangsted'; 'Kortegaard's'. The standard strain is characteristically stripped on the exposed side, however, this variety is blushed without any striping. Considered better colored and the best of the Cox strains.
247022. 'Cox's Orange Cherry'. A Danish strain which is completely blushed dark red.
247023. 'Cox's Orange Otago'. The fruit is red striped and mottled. Developed in New Zealand.
247024. 'Cox's Orange'. (Standard type). The famous English variety. A leading commercial variety in the Baltic-North Sea apple belts. Less popular than 10 years ago as fruit from older trees tends to become small and the variety is exacting in soil and culture.
247025. 'Huidobro'. A Chilean variety that is woolly-aphis resistant under Argentine conditions. This variety thrives in the warmer parts of the apple zone where grapes are grown commercially. The fruit is bright yellow, has a high sugar content, and fair flavor. May be of value for rootstock breeding.

247026. 'Kidd's Orange Red'; ('Delicious' × 'Cox's Orange'). Developed in New Zealand. Tree vigorous, annual bearer; fruit medium-sized round, conical, orange-yellow with red wash and striped on exposed surface; flesh firm, crisp, quality good; matures early.

247027 to 247030.

From Australia. Cuttings received from the Colonial Sugar Refining Company, Ltd., Sydney, New South Wales. Received April 7, 1958.

247027. *SACCHARUM ARUNDINACEUM* Retz. Poaceae. Sugarcane.

247028 to 247030. *SACCHARUM* (hybrid).

247028. 49M Q 3026.

247030. 39 SN 3821.

247029. 55M Q 2488.

247031 to 247035. *DIANTHUS CARYOPHYLLUS* L. Silenaceae.

Carnation.

From Italy. Cuttings presented by Giuliana Eva Mameli Calvino, Sanremo. Received April 7, 1958.

247031. 'Anita'.

247034. 'Gorena'.

247032. 'Anita Fanny'.

247035. 'Nizzardo Rosso'.

247033. 'Candido'.

247036 to 247040.

From the Canal Zone. Seeds presented by Harold F. Loomis, Barro, Colorado. Received April 8, 1958.

247036. *BACTRIS COLONIATA* Bailey. Phoenicaceae.

Palm.

247037. *GEONOMA BINERVIA* Oerst. Phoenicaceae.

Palm.

247038. *GEONOMA DECURRENS* Wendl.

247039. *GEONOMA PROCUMBENS* Wendl.

247040. *SYNECANTHUS WARSCIEWICZIANUS* Wendl. Phoenicaceae.

Palm.

247041 to 247047.

From the Union of South Africa. Seeds presented by the National Botanical Gardens, Kirstenbosch, Newlands. Received April 8, 1958.

247041. *EURYOPS PECTINATUS* Cass. Asteraceae.

Plant to 3 feet high, ashy gray throughout; leaves pectinate-pinnatifid, to 3 inches long; flower heads yellow, terminal. Native to South Africa.

247042. *ILEX CAPENSIS* Sond. & Harv. Aquifoliaceae.

Shrub or small tree to 12 feet high, densely leafy; leaves oblong-lanceolate, shiny above. Native of South Africa.

247043. *INDIGOFEA CYLINDRICA* DC. Fabaceae.

247044. *LEUCOSPERMUM REFLEXUM* Buek. Proteaceae.

247045. *PITTIOSPORUM VIRIDIFLORUM* Sims Pittosporaceae. Cape pittosporum.

247046. *PRIESTLEYA HIRSUTA* DC. Fabaceae.

A silky-haired shrub with racemes of yellow flowers. Native of South Africa.

247047. *RAUVOLFIA CAFFRA* Sond. Apocynaceae.

Devilpepper.

247048 to 247060.

From Canada. Seeds presented by the Experimental Farms Service, Department of Agriculture, Ottawa, Ontario. Received Apr. 9, 1958.

Localities given are original sources of material.

247048. HORDEUM AGRIOCRITHON Aberg Poaceae.

No. B. 209. Botanic Garden, Berlin, Germany.

247049. HORDEUM BRACHYANTHERUM Nevski

No. B. 255. Herbarium, Davis, California. Collected in Yolo County, California.

247050. HORDEUM BULBOSUM L.**Bulbous barley.**

No. B. 144. Germany.

247051. HORDEUM DEPRESSUM (Scribn. & Smith) Rydb.

No. B. 256. Herbarium, Davis, California. Collected in Yolo County, California.

247052. HORDEUM JUBATUM var. CAESPITOSUM (Scribn.) Hitchc.

No. B. 204. Portugal.

247053 and 247054. HORDEUM LEPORINUM Link.

247053. No. B. 258. Herbarium, Davis, California. Collected in Yolo County, California.

247054. No. B. 381. Origin unknown.

247055 and 247056. HORDEUM MARINUM Huds.

247055. No. B. 51. Argentina.

247056. No. B. 205. Portugal.

247057. HORDEUM VULGARE L.**Common barley.**

No. B. 206. Oslo, Norway.

247058. HORDEUM PUSILLUM Nutt.

No. B. 196.

247059. HORDEUM STENOSTACHYS Godr.

No. B. 56. Argentina.

247060. HORDEUM sp.

No. B. 55. Argentina.

247061 to 247065. VITIS (hybrids). Vitaceae.

From Germany. Cuttings presented by the Landwirtschaftskammer, Hanover Jork, Bez, Hamburg. Received Apr. 9, 1958.

247061. 5BB-34G. Selection from 5BB which was made at an Experiment Station in Austria in 1904. The final selection was made at the Geisenheim Experiment Station, Germany.

247062. 26 G. ('Trollinger' × 'Riparia'). Experiment Station Geisenheim, Germany.

247063. 143A ('Aramon' × 'Riparia'). Developed for rootstocks.

247064. 1616E. ('Solonis' × 'Riparia'). Developed for rootstocks.

247065. SO4. ('Berlandieri' × 'Riparia'). Experiment Station, Oppenheim, Germany.

247066. TREVESIA SUNDAICA Miq. Araliaceae.

From Italy. Seeds presented by the Botanic Garden, Palermo. Received April 9, 1958.

Native of Java. Tree to 45 feet high.

247067. ALLIUM CEPA L. Liliaceae.**Onion.**

From Italy. Seeds presented by the Federazione Italiana dei Consorzi Agrari, Stabilimento Selezione Sementi Orticole, Ponte-Galeria, Rome. Received April 21, 1958.

'Italian Red'.

247068. ALLIUM CEPA L. Liliaceae.**Onion.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas. Received April 21, 1958.

'Bahia Piriforme'. A short-cycle variety.

247069. PHILODENDRON sp. Araceae.

From Mexico. Cuttings presented by Edgar Anderson, Vera Cruz. Received April 7, 1958.

Climbing on palms and acacias, Coaxtla.

247070 and 247071. ZEA MAYS L. Poaceae.**Corn.**

From Spain. Seeds presented by the Agricultural Experiment Station, St. Paul, Minn. Received April 21, 1958.

Varieties showing resistance to corn borer, but early maturity may account for this. In maturity they compare with North Dakota hybrids.

247070. 'Hembrille de Aragon'.

247071. 'Rojo Vinoso'.

247072 and 247073. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Great Britain. Seeds presented by the Plant Breeding Institute, Cambridge, England. Received April 21, 1958.

247072. 'Victor'.

247073. 'ALG/42'.

247074 to 247076.

From Brazil. Seeds presented by the United States Operations Mission, Porto Alegre, Rio Grande do Sul. Received April 23, 1958.

247074. ARISTIDA ALTISSIMA Arech. Poaceae.

247075. BROMUS AULETICUS Trin. ex Nees Poaceae.

247076. PIPTOCHAETIUM MONTEVIDENSE (Spreng.) Parodi Poaceae.

247077 and 247078. PRUNUS DOMESTICA L. Amygdalaceae.**Common plum.**

From Finland. Scions presented by Maatalouden Tutkimuskeskus, Piikkio. Received April 18, 1958.

247077. 'Gleinen Punaluimii'. Exceptionally hardy.

247078. 'Ylenen Kelaluumu'. Exceptionally hardy.

247079 to 247086. HYPARRHENIA HIRTA (L.) Stapf Poaceae.

From the Union of South Africa. Seeds presented by the Prinshof Experiment Station, Pretoria, Transvaal. Received April 9, 1958.

247079. No. 1. Barberton, eastern Transvaal.

247080. No. 2. Lydenburg, northeastern Transvaal.

247081. No. 3. Amersfoort, southeastern Transvaal.

247082. No. 4. Potchefstroom, western Transvaal.

247083. No. 5. Northern Natal.

247084. No. 6. Kimberley.

247085. No. 7. Pretoria.

247086. No. 8. Pretoria University Farm.

247087. LYCOPERSICON HIRSUTUM Humb. & Bonpl. Solanaceae.

From Ecuador. Seeds collected by Donovan S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 9, 1958.

Col. No. E-411. Bank between Catamayo and Gonzanama, Hacienda Colca, Loja. Plant large, with many branches; flowers yellow; fruits round.

247088. STIZOLOBIUM sp. Fabaceae.

From Japan. Cuttings presented by Kyushu University, Fukuoka. Received April 10, 1958.

From Kaoru Ehara.

247089. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Australia. Seed presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received April 11, 1958.

Ky-1.

247090 to 247092.

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico City. Received April 11, 1958.

247090. PANICUM MAXIMUM Jacq. Poaceae. Guineagrass.

Grown extensively in the states of Tamaulipas, San Luis Potosi, and Veracruz as a pasture grass.

247091 and 247092. VICIA SATIVA L. Fabaceae. Common vetch.

247091. No. 1-415.

247092. RF-672.

247093. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From Finland. Seeds presented by the Agricultural Research Centre, Department of Plant Breeding, Jokioinen. Received April 11, 1958.

'Jokioinen'. The only alfalfa variety released in Finland. The breeding of this variety began in 1924 from material probably of French origin. The breeding worked consisted mainly of continuing acclimatization.

247094 to 247102. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Iran. Seeds presented by the United States Agricultural Attache, Tehran. Received April 11, 1958.

247094. No. 2792.

247099. No. 2808.

247095. No. 2795.

247100. No. 2814.

247096. No. 2798.

247101. No. 2823.

247097. No. 2802.

247102. No. 2825.

247098. No. 2803.

247103. ORYZA SATIVA L. Poaceae. Rice.

From Portugal. Seed presented by the Estacao Agronomica Nacional, Sacavem. Received Apr. 11, 1958.

'Lusitano'. G.S. 993.

247104 to 247119.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Apr. 14, 1958.

247104. ACER CAPPADOCICUM Gleditsch Aceraceae. Coliseum maple.

'Aureum'.

247105. ACER NEGUNDO L. Boxelder.

'Elegantissimum'.

247106 and 247107. ACER PLATANOIDES L. Norway maple.

247106. 'Drummondii'.

247107. 'Deitenbachii'.
 247108 and 247109. *ACER PSEUDO-PLATANUS* L. Sycamore maple.
 247108. 'Brilliantissimum'.
 247109. 'Worlei'.
 247110 and 247111. *BERBERIS WILSONAE* Hemsl. Berberidaceae. Wilson barberry.
 247110. Typical form.
 247111. 'Globosa'.
 247112. *CYTISUS PURPUREUS* Scop. Fabaceae.
 'Albus'.
 247113. *CYTISUS SCOPARIUS* (L.) Link Scotch broom.
 'Sulphureus'.
 247114. *CYTISUS* × *VERSICOLOR* Dippel
 247115. *FRAXINUS SPAETHIANA* Lingels. Oleaceae. Ash.
 247116. *FRAXINUS SYRIACA* Boiss. Ash.
 247117. *MAHONIA REPENS* var. *ROTUNDIFOLIA* Fedde Berberidaceae.
 247118. *RIBES ALPINUM* L. Grossulariaceae. Mountain currant.
 'Pumilum'.
 247119. *SALIX LANATA* L. Salicaceae. Weeping willow.
 'Stuartii'.
247120 and 247121. *VITIS* (hybrids). Vitaceae.
 From France. Cuttings presented by the Station de Recherches Viticoles & d'Arboriculture Fruitiere, Centre de Recherches Agronomiques du Sud-Ouest, Pont-de-la-Maye. Received Apr. 14, 1958.
 247120. 'Boujanoir'. (Gilbert 6-1.)
 247121. 'Pougette Musquee'.
247122 to 247134.
 From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Apr. 14, 1958.
 247122. *CROTALARIA BREVIFLORA* DC. Fabaceae.
 247123. *CROTALARIA FALCATA* Vahl
 247124. *CROTALARIA GRANTIANA* Harv.
 247125. *CROTALARIA INTERMEDIA* Kotschy. Slenderleaf crotalaria.
 247126. *CROTALARIA JUNCEA* L. Sunn-hemp.
 247127. *CROTALARIA PAULINA* Schrank
 247128. *CROTALARIA RETUSA* L.
 247129. *CROTALARIA SPECTABILIS* Roth Showy crotalaria.
 247130. *CROTALARIA VERRUCOSA* L.
 247131. *CROTALARIA* sp.
 247132. *CROTALARIA* sp.
 247133 and 247134. *DOLICHOS LABLAB* L. Fabaceae. Hyacinth-bean.
 247133. No. 697.
 247134. No. 803.
247135 and 247136.
 From Yugoslavia. Seeds presented by the Agricultural Institute, Banja Luka. Received Apr. 14, 1958.

247135. *SORGHUM SUDANESE* (Piper) Stapf Poaceae. Sudangrass.

No. 55.

247136. *SORGHUM BICOLOR* (L.) Moench

No. 53.

247137. *CITROPSIS DAWEANA* Swing. & M. Kell. Rutaceae.

From Rhodesia. Seeds presented by G. R. Bates, Causeway, Salisbury. Received Apr. 15, 1958.

247138 to 247271.

From Brazil. Plants collected by Llewelyn Williams, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 11, 1958.

From the State of Sao Paulo unless otherwise noted.

247138. *ALPINIA SPECIOSA* K. Schum. Zingiberaceae.

Col. No. 18656. 'Cinnamomo'. Pollard's Garden, Sao Paulo. Plant to 10 feet high; flowers white.

247139. *ALSTROEMERIA INODORA* Herb. Amaryllidaceae.

Col. No. 18666. 'Madreisilva Japonesa'. Pollard's Garden, Sao Paulo. Plant to 16 inches high; flowers fragrant, appearing on bare earth; petals red and white.

247140. *ANTHURIUM* sp. Araceae.

Col. No. 18596. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte in shade in dense forest.

247141. *ANTHURIUM CORIACEUM* (Graham) Endl.

Col. No. 18605. Fazenda da Bonita Serra da Bocaina. Elevation 4,000 feet. On tree trunk in dense forest.

247142. *GUADUA TAGOARA* Kunth Poaceae.

Bamboo.

Col. No. 18577. 'Taquara'. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Forming dense, almost impenetrable, stands in dense forest.

247143. *BEGONIA BRADEI* Irmscher Begoniaceae.

Col. No. 18511. Plant to 4 feet high; flowers almost white.

247144. *BEGONIA QUADRILOCULARIS* Brade

Col. No. 18516. Plant to 5 feet high. From State of Rio de Janeiro.

247145. *BEGONIA VELLOZOANA* Brade

Col. No. 18518. Plant low, wide-spreading; leaves brown underneath.

247146. *BEGONIA* sp.

Col. No. 18510. Plant to 5 feet high; leaves dark green, pubescent.

247147. *BEGONIA* sp.

Col. No. 18521. Plant to 2 feet high; leaves to 12 inches in diameter; flowers whitish.

247148. *BEGONIA FRUTICOSA* A. DC.

Col. No. 18523. Plant creeping along wall; leaves lustrous medium green; flowers orange-yellow.

247149. *BEGONIA* sp.

Col. No. 18524. Plant creeping along wall; leaves fairly small, lustrous when young.

247150. *BEGONIA CONVULVACEA* A. DC.

Col. No. 18531. Plant among rocks in deep shade.

247151. *BEGONIA* × *ANGULARIS* Raddi

Col. No. 18587. Fazenda da Bonita Serra da Bocaina. Elevation 4,000 feet. Plant to four feet high; leaves at times reddish-brown beneath; flowers pale-pinkish to white.

247152. *BEGONIA* sp.

Col. No. 18634. Fazenda da Bonito, Serra de Bocaina. Elevation 3,700 feet. Plant to three feet high; leaves red. In forest in deep shade.

247153. *BEGONIA* sp.

Col. No. 18686. Chacasa, Santa Rosa, Sao Paulo. Elevation 2,800 feet.

247154. *BEGONIA* sp.

Col. No. 18693. Pollard's Garden, Sao Paulo. Elevation 2,800 feet.

247155. *BILLBERGIA* sp. Bromeliaceae.

Col. No. 18493. 'Granata'. Sao Benito.

247156. *BRUNFELSIA* sp. Solanaceae.

Col. No. 18658. 'Manaca'. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Small tree flowers violet fading to white. Very fragrant.

247157. *CALADIUM* sp. Araceae.

Col. No. 18674. Chacara, Santa Rosa. Originally from the Amazon region.

247158. *CANISTRUM* sp. Bromeliaceae.

Col. No. 18572. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphytic and terrestrial; flowers reddish-pink.

247159. *CANISTRUM* sp.

Col. No. 18573. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. On dry log in dense forest shade. Flowers purplish-brown.

247160. *CANISTRUM* sp.

Col. No. 18588. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte in deep shade in forest.

247161. *CANISTRUM* sp.

Col. No. 18592. 'Carata'. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte in dense forest shade. Flowers purplish-brown.

247162. *BILLBERGIA AMOENA* (Lodd.) Lindl.

Col. No. 18630. Fazenda da Bonita, Serra da Bocaina. Elevation 3,600 feet. Epiphyte in low forest.

247163. *CESTRUM NOCTURNUM* L. Solanaceae.

Col. No. 18657. 'Jasmin da Noite'. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Flowers greenish-white; strongly fragrant during the night.

247164. *CROTON* sp. Euphorbiaceae.

Col. No. 18669. 'Croton Italiano'. Chacara, Santa Rosa.

247165. *DATURA ARBOREA* L. Solanaceae.

Floripondio.

Col. No. 18527. Instituto de Botanica, Sao Paulo. Shrub to 7.5 feet high; flowers pale pink.

247166. *DICHORISANDRA HEXANDRA* (Aubl.) O. Kuntze Commelinaceae.

Col. No. 18662. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Plant to 3 feet high; flowers dark blue.

247167. *DRACAENA* sp. Liliaceae.

Col. No. 18664. Pollard's Garden, Sao Paulo. Plant to 4 feet high; leaves striped pink and green.

247168. *DURANTA REPENS* L. Verbenaceae

Skyflower.

Col. No. 18655. Pollard's Garden, Sao Paulo. Scandent thorny shrub to 8 feet high; flowers small, fragrant, lavender-colored.

247169. *EPIDENDRUM* sp. Orchidaceae.

Col. No. 18598. Fazenda da Bonita, Serra da Bacaina. Elevation 4,000 feet. Plant on rotten log in deep forest.

247170. *EPISCIA CUPREATA* (Hook.) Hanst. Gesneriaceae.

Col. No. 18672. Chacara, Santa Rosa. Elevation 2,800 feet.

247171. *FIGUS* sp. Moraceae.

Col. No. 18688. 'Hera Miuda'. Chacara, Santa Rosa. Elevation 2,800 feet. Leaves green and creamy-white.

247172. *KOHLERIA BOGOTENSIS* Fritsch. Gesneriaceae.

Col. No. 18648. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Plant to 2 feet high; leaves dark green; flowers scarlet.

247173. *HEDYCHUM FLAVESCENS* Carey ex Rosc. Zingiberaceae.

Col. No. 18652. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Plant to 8 feet high; flowers yellow and white.

247174. *HEDYCHUM GARDNERIANUM* Rosc.

Col. No. 18653. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Plant to 8 feet high; flowers red.

247175. *HOLMSKIOLDIA SANGUINEA* Retz. Verbenaceae.

Col. No. 18649. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Vine that may be pruned.

247176. *HYMENOCALLIS* sp. Amaryllidaceae.

Col. No. 18495. 'Lilia Jobrada'. Sao Benito. Flowers deep yellow.

247177. *ILEX INTEGERRIMA* Reiss. Aquifoliaceae.

Holly.

Col. No. 18552. Forest Altra da Serra Paranapiacaba. Shrub to 6 feet high; leaves curvaceous.

247178. *MOSCHOSMA RIPARIUM* Hochst. Menthaceae.

Col. No. 18501. Instituto de Botanica, Sao Paulo. Wide-spreading tree to 10 feet high; native to South Africa.

247179. *JACOBINIA CARNEA* (Lindl.) Nichols. Acanthaceae.

Col. No. 18659. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Bush with dense terminal heads of rosy-pink flowers.

247180. *MICROLICIA ISOPHYLLA* DC. Melastomataceae.

Col. No. 18633. Fazenda da Bonita, Serra da Bocaina. Flowers pink.

247181. *LYCOPodium CERNUUM* L. Lycopodiaceae.

Col. No. 18549. Forest Alta da Serra, Paranapiacaba. Plant grew along edge of path.

247182. *OXALIS* sp. Oxalidaceae.

Col. No. 18629. Fazenda da Bonita, Serra da Bocaina. Elevation 3,600 feet. Plant grew in forest shade to 16 inches high; flowers yellow.

247183. *PERESKIA GRANDIFOLIA* Haw. Cactaceae.

Col. No. 18526. Instituto de Botanica, Sao Paulo. Small armed tree to 9 feet high; thorns to 2 inches long, sharp.

247184. *PEPEROMIA REFLEXA* (L.f.) A. Dietr. Piperaceae.

Col. No. 18522. Instituto de Botanica, Sao Paulo. Plant to 24 inches high; leaves small.

247185. *PEPEROMIA* sp.

Col. No. 18548. Forest Alta da Serra, Paranapiacaba. A very small species in deep shade.

247186. *PEPEROMIA* sp.

Col. No. 18571. Fazenda da Bonita, Serra da Bocaina. Small species on tree trunk.

247187. *PEPEROMIA DIAPHANOIDES* Dahlst.

Col. No. 18579. Fazenda da Bonita, Serra da Bocaina. Elevation 5,000 feet. Plant to 15 inches high.

247188. *PEPEROMIA* sp.

Col. No. 18583. Fazenda da Bonita, Serra da Bocaina. Elevation 5,000 feet. Leaves small, curvaceous.

247189. *CISSUS DISCOLOR* Blume Vitaceae.

Col. No. 18675. Chacara, Santa Rosa. Originally from the Amazon region. Elevation 2,800 feet. Climbing; very ornamental.

247190. *PEPEROMIA* sp. Piperaceae.

Col. No. 18689. Chacara, Santa Rosa. Elevation 2,800 feet.

247191. *PEPEROMIA* sp.

Col. No. 18692. Chacara, Santa Rosa. Elevation 2,800 feet. Originally from Serra da Cantareua.

247192. *PETREA* sp. Verbenaceae.

Col. No. 18650. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Vine with violet-blue sprays of flowers.

247193. *PHILODENDRON* sp. Araceae.

Col. No. 18530. Instituto de Botanica, Sao Paulo. On rocks in deep shade.

247194. *PHILODENDRON CORDATUM* Kunth

Col. No. 18532. Instituto de Botanica, Sao Paulo. Plant creeping on tree trunk; leaves dark green.

247195. *PHILODENDRON AUREUS* Lind.

Col. No. 18533. Instituto de Botanica, Sao Paulo. Epiphyte on tree trunk; leaves ovate.

247196. *PHILODENDRON* sp.

Col. No. 18544. 'Guambe', 'Imbi'. Forest Alta da Serra, Paranapiacaba. Epiphyte on tree trunk; leaves dark green.

247197. *PHILODENDRON* sp.

Col. No. 18546. Forest, Alta da Serra, Paranapiacaba. Terrestrial on marshy ground.

247198. *PHILODENDRON* sp.

Col. No. 18547. Forest, Alta da Serra, Paranapiacaba. Terrestrial in deep shade; leaves long-acuminate.

247199. *PHILODENDRON* sp.

Col. No. 18595. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte in deep forest shade.

247200. *PHILODENDRON* sp.

Col. No. 18599. Fazenda da Bonita, Serra da Bocaina. Elevation 4,250 feet. Terrestrial along edge of forest.

247201 to 247210. Chacara do Santa Rosa. Elevation 2,800 feet. Originally from the Amazon region.

247201. *PHILODENDRON* sp.

Col. No. 18670.

247202. *PHILODENDRON* sp.
Col. No. 18673.
247203. *PHILODENDRON* sp.
Col. No. 18677.
247204. *PHILODENDRON* sp.
Col. No. 18678.
247205. *PHILODENDRON* sp.
Col. No. 18679.
247206. *PHILODENDRON* sp.
Col. No. 18680.
247207. *PHILODENDRON* sp.
Col. No. 18681.
247208. *PHILODENDRON* sp.
Col. No. 18682.
247209. *PHILODENDRON* sp.
Col. No. 18683.
247210. *PHILODENDRON* sp.
Col. No. 18684.
247211. *PHYLLANTHUS* sp. Euphorbiaceae.
Col. No. 18660. Pollard's Garden, Sao Paulo. Elevation 2,800 feet.
247212. *POLYPODIUM LEPIDOPTERIS* (Langsd. & Fisch.) Kunze Polypodiaceae.
Fern.
Col. No. 18606. Fazenda da Bonita, Serra da Bocaina. Elevation 5,500 feet. On trunk of *Araucaria angustifolia*.
247213. *POLYPODIUM* sp.
Col. No. 18556A. Forest-Alfo da Serra Paranapiacaba. Usually on dry logs in deep shade.
247214. *POLYPODIUM* sp.
Col. No. 18607. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte on small tree.
247215. *RHIPSALIS CAPILLIFORMIS* Weber Cactaceae.
Col. No. 18528. Instituto de Botanica, Sao Paulo.
247216. *RHIPSALIS GRANDIFLORA* (O. Kuntze) Haur.
Col. No. 18589. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. On tree trunk.
247217. *RHIPSALIS* sp.
Col. No. 18594. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte in dense forest shade.
247218. *SALPINGA MARGARITACEA* Triana Onagraceae.
Col. No. 18562. Forest, Alto da Serra, Paranapiacaba. Low herbaceous plant; leaves dark green, marked with white spots along border.
247219. *SELAGINELLA* sp. Selaginellaceae.
Col. No. 18517. Instituto de Botanica, Sao Paulo. Plant dark blue, usually on rocks in deep shade.
247220. *SELAGINELLA* sp.
Col. No. 18541. Forest, Alta da Serra, Paranapiacaba. Plant on rocks in deep shade.

247221. SELAGINELLA sp.

Col. No. 18543. Forest, Alta da Serra, Paranapiacaba. Plant dark green, creeping among rocks in deep shade.

247222. SELAGINELLA sp.

Col. No. 18576. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Plant on dry tree trunk in deep shade.

247223. SELAGINELLA sp.

Col. No. 18603. Fazenda da Bonita, Serra da Bocaina. Plant in deep forest shade, creeping along ground.

247224. SELAGINELLA sp.

Col. No. 18604. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Plant on moist rocks in deep forest shade.

247225. SELAGINELLA sp.

Col. No. 18671. Chacara Santa Rosa. Elevation 2,800 feet. Plant blue. Collected in Amazon Basin.

247226. SELANDRIA GRANDIFLORA Swartz Solanaceae. **Showy chalicevine.**

Col. No. 18519. Institute da Botanica, Sao Paulo. Scandent shrub; flowers large, yellow.

247227. STROBILANTHES sp. Acanthaceae.

Col. No. 18529. Instituto da Botanica, Sao Paulo. Plant to four feet high; leaves deep green with purple pubescence, deepening in color according to sunlight.

247228. TABEBUIA AVELLANEDAE VAR. PAULENSIS Toledo Bignoniaceae.

Col. No. 18665. 'Ipe Roseo'. Lizclotte Brandlis Garden, Sao Paulo. Elevation 2,800 feet. Plant to 45 feet high; flowers in large rose-colored clusters.

247229. TIBOUCHINA GRANDIFLORA Cogn. Melastomataceae.

Col. No. 18661. 'Orelha de Urso'. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Wide-spreading tree or tall shrub; leaves large, velvety; flowers in upright clusters, deep-purple.

247230. TIBOUCHINA sp.

Col. No. 18486. Institute Agronomico, Campinas. Shrub; leaves small; flowers red.

247231. TIBOUCHINA PULCHRA Cogn.

Col. No. 18564. 'Quaresmeira'. Forest, Alto da Serra, Paranapiacaba. Tree to 20 feet high; flowers purplish.

247232. TIGRIDIA PAVONIA (L.f.) Ker Iridaceae. **Common tigerflower.**

Col. No. 18667. Pollard's Garden, Sao Paulo. Elevation 2,800 feet. Flowers red, several on one stalk.

247233. TILLANDSIA sp. Bromeliaceae.

Col. No. 18494. Sao Benito. Frequent on tree trunks.

247234. TILLANDSIA sp.

Col. No. 18581. Fazenda da Bonita, Serra da Bocaina. Elevation 4,600 feet. Common in secondary growth on slopes.

247235. STACHYTARPHETA SPECIOSA Pohl Verbenaceae.

Col. No. 18524. Instituto de Botanica, Sao Paulo. Elevation 2,800 feet. Wide-spreading bush to 10 feet high; flowers deep blue.

247236. VITTARIA sp. Polypodiaceae.

Col. No. 18593. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte in deep forest shade.

247237. VRIESIA CARINATA Wawara Bromeliaceae.

Col. No. 18591. 'Carata'. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte; flowers pink and yellow.

247238. VRIESIA HIEROGLYPHICA (Carr.) Morren

Col. No. 18560. Forest, Alto da Serra, Paranapiacaba. Epiphyte; leaves bright green, with darker green coarse-bands.

247239. VRIESIA sp.

Col. No. 18492. Sao Benito. Leaves dark green to purplish.

247240. VRIESIA sp.

Col. No. 18565. Forest, Alta da Serra, Paranapiacaba. Epiphyte; flowers pink and yellow.

247241. VRIESIA sp.

Col. No. 18631. Fazenda da Bonita, Serra da Bocaina. Elevation 3,600 feet. Epiphyte on trunk of *Araucaria angustifolia*.

247242. VRIESIA sp.

Col. No. 18694. 'Gravata'. Arvernas. Elevation 3,300 feet. Epiphyte.

247243 to 247248. Chacara Japonesa, Santos.**247243. BEGONIA** sp. Begoniaceae.

Col. No. 18435. Plant to 2.5 feet high; flowers white. Believed to grow wild between Sao Paulo and Santos.

247244. PHYLLANTHUS sp. Euphorbiaceae.

Col. No. 18437. Low woody herb to 2 feet high; flowers small, pinkish.

247245. PEPEROMIA sp. Piperaceae.

Col. No. 18438. Leaves thick, dark green.

247246. HIBISCUS sp. Malvaceae.

Col. No. 18439. Bush to 4.5 feet high; leaves variegated green to creamy-white.

247247. PTERIS sp. Polypodiaceae.

Col. No. 18440. Fronds whitish along center.

247248. GURANIA VILLOSA Cogn. Cucurbitaceae.

Col. No. 18441. 'Mascote' 'Flor de la'. Climber covered with dense gray pubescence; flowers in terminal clusters, pinkish.

247249. BEGONIA sp. Begoniaceae.

Col. No. 18443. Chacara Thaumaturgo, Santos. Leaves grayish-purplish-brown below; flowers small, pale pink.

247250. (Undetermined.)

Col. No. 18506. Institute de Botanica, Sao Paulo. Shrub to 3 feet high; flowers pinkish.

247251. HYPOCYRTA RADICANS Klotzsch & Hanst. Gesneriaceae.

Col. No. 18537. Forest Alta da Serra, Paranapiacaba. Attached to tree trunk; leaves lustrous dark green; flowers white with mottled brown throat.

247252. (Undetermined.)

Col. No. 18542. Forest, Alta da Serra, Paranapiacaba. Epiphyte on tree fern; leaves purplish at times; flowers pinkish.

247253. NEMATANTHUS LONGIPES DC. Gesneriaceae.

Col. No. 18554. Forest, Alta da Serra, Paranapiacaba. Small shrub in scrub; leaves, small dark green in dense crown; fruit small, pinkish-red when ripe.

247254. *OCTOMERIA LODDIGESII* Lindl. Orchidaceae.

Col. No. 18574. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte on dry tree trunk; flowers yellowish.

247255. (Undetermined.)

Col. No. 18580. Fazenda da Bonita, Serra da Bocaina. Elevation 5,000 feet. Plant 15 inches high on open slopes; flowers yellow.

247256. (Undetermined.)

Col. No. 18584. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Plant on tree trunk in shade.

247257. (Undetermined.)

Col. No. 18585. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Plant on tree trunk in deep forest shade.

247258. (Undetermined.)

Col. No. 18586. Fazenda da Bonita, Serra da Bocaina. Elevation 4,600 feet. Plant on tree trunk in deep forest shade.

247259. (Undetermined.)

Col. No. 18590. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Shrub to three feet high; flowers purplish to pink.

247260. *ANTHURIUM HARRISII* (Grah.) Engl. Araceae.

Col. No. 18597. Fazenda da Bonita, Serra da Bocaina. Elevation 4,000 feet. Epiphyte in dense forest.

247261. *PLEUROTHALLIS RADIALIS* Poerto & Brade Orchidaceae. **Orchid.**

Col. No. 18616. Fazenda da Bonita, Serra da Bocaina. Epiphyte; flowers small, yellowish-green.

247262. *PLEIOCHITON* sp. Melastomataceae.

Col. No. 18626. Fazenda da Bonita, Serra da Bocaina. Elevation 3,600 feet. Plant to 20 inches high.

247263. *BLECHNUM* sp. Polypodiaceae.

Col. No. 18627. Fazenda da Bonita, Serra da Bocaina. Elevation 3,600 feet. Epiphyte in open scrub growth.

247264. *KOHLERIA ERIANTHA* (Benth.) Hanst. Gesneriaceae.

Col. No. 18663. Pollard's garden, Sao Paulo. Elevation 2,800 feet. Leaves serrate, pubescent, dark green, with reddish-brown border venation on underside.

247265. (Undetermined.)

Col. No. 18668. Chacara, Santa Rosa. Elevation 2,800 feet.

247266. (Undetermined.)

Col. No. 18676. Chacara, Santa Rosa. Elevation 2,800 feet. Originally from the Amazon region.

247267. *SERISA FOETIDA* Comm. Rubiaceae.

Col. No. 18685. Chacara, Santa Rosa. Elevation 2,800 feet. Originally from the Amazon valley.

247268. *PASSIFLORA* sp. Passifloraceae.

Col. No. 18687. 'Butterfly plant'. Chacara, Santa Rosa. Elevation 2,800 feet. Creeper.

247269. (Undetermined.)

Col. No. 18690. Chacara, Santa Rosa. Elevation 2,800 feet. Originally from the Amazon region.

247270. (Undetermined.)

Col. No. 18691. Chacara, Santa Rosa. Elevation 2,800 feet. Pendent; leaves small, densely pubescent; flowers orange-colored.

247271. *MALPIGHIA COCCIGERA* L. Malpighiaceae.

Col. No. 18695. Alta da Serra. Elevation 2,800 feet. In dense forest.

247272 and 247273.

From Great Britain. Plants purchased from Sunningdale Nurseries, Widdleham, Surrey. Received Apr. 15, 1958.

247272. *ACER JAPONICUM* Thunb. Aceraceae.

Fullmoon maple.

'Aureum'.

247273. *ACER TETRAMERUM* Pax

Maple.

'Lobulatum'.

247274 to 247281.

From Great Britain. Seeds presented by R. W. Gunson Ltd., Dunstan's Hill, London. Received April 16, 1958.

247274. *BETA MACRORHIZA* Stev. Chenopodiaceae.

247275 to 247281. *BETA VULGARIS* L.

Sugar beet.

Polyploid selection.

247275. T51-1.

247279. T51-18.

247276. T51-2.

247280. T51-21.

247277. T51-4.

247281. T51-40.

247278. T51-9.

247282 to 247297.

From Portugal. Seeds presented by Estacao Agronomica Nacional, Centro de Investigacao das Ferrugens do Cafeeiro, Oeiras. Received April 16, 1958.

Localities given are Portuguese sources of material.

247282 to 247287. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

247282. No. 956. Turrialba, Costa Rica.

247283. No. 957. Heredia, Meseta Central, Costa Rica.

247284. No. 958. Carizal, Alajuela, St. Isidro, Costa Rica.

247285. No. 953. San Ramon, Costa Rica.

247286. No. 954. Villalabos, Costa Rica.

247287. No. 955. Villa Sarchi, Costa Rica.

247288. *COFFEA RACEMOSA* Lour.

No. 883. D.M. 14 (Inhambane). Delegacao da Junta de Exportacao do Cafe, Mozambique.

247289 to 247293. *COFFEA CANEPHORA* Pierre ex Froehn.

Coffee.

From Centre de Recherches Agronomiques, Bingerville, Ivory Coast.

247289. No. 930. INEAC No. 2.

247290. No. 931. INEAC No. 2 L. 5A4.

247291. No. 932. INEAC.

247292. No. 933. C 8.

247293. No. 934. Lulla.

247294. *COFFEA* sp.

No. 946. Local type. No. 91. Inhambane, Delegacao da Junta de Exportacao do Cafe, Mozambique.

247295. *COFFEA* sp.

Local type. No. 92.

No. 947. Inhambane, Delegacao da Junta de Exportacao do Cafe, Mozambique.

247296. COFFEA sp.

Local type.

No. 952. Posto Sanitario de Palma, Cabo Delgado, Mozambique.

247297. COFFEA sp.

Local type.

No. 959. 1/58 Extra. Posto Sanitario de Palma, Cabo Delgado, Mozambique.

247298. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.

From Canada. Trees presented by the Horticultural Experiment Station, Ontario. Received April 17, 1958.

No. 46108. 39058 ('Halehaven' × 'Vedette') × 'Vesper'. Tree requires light thinning; fruit ripens with July 'Elberta'; medium to large, bright red; flesh yellow, freestone, good quality.

247299 and 247300. CITRUS SINENSIS (L.) Osbeck Rutaceae.**Sweet orange.**

From Spain. Budsticks presented by the Estacion Naranjera de Levante, Burjasot, Valencia. Received Apr. 18, 1958.

247299. 'Cadenerasia Hueso'.**247300.** 'Moro Catania'.**247301 and 247302. PINUS NIGRA Arnold Pinaceae.****Austrian pine.**

From Greece. Seeds presented by the Agricultural Attache, United States Embassy, Athens. Received Apr. 17, 1958.

247301. No. 1. Kalambaka District, Pindos Mountains.**247302.** No. 2. Thassos Island, off the coast of eastern Macedonia.**247303. PHASEOLUS COCCINEUS L. Fabaceae. Scarlet runner bean.**

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received Apr. 29, 1958.

Elevation 7,700 feet. Runner type; biannual; immature seeds delicious.

247304 to 247307.

From Colombia. Seeds presented by the Rockefeller Foundation, Bogota. Received May 1, 1958.

247304. PASPALUM CONJUGATUM Bergius Poaceae.**247305.** PASPALUM PLICATULUM Michx.**Black grass.****247306.** PASPALUM VIRGATUM L.**247307.** PASPALUM sp.**247308 and 247309. GOSSYPIMUM (hybrid). Malvaceae. Cotton.**

From the British West Indies. Seeds presented by Douglas Taylor, Mague, Dominica. Received May 1, 1958.

247308. C.B. 3125.**247309.** C.B. 3126.**247310. CRAMBE ABYSSINICA R. E. Fries Brassicaceae.**

From Sweden. Seeds presented by the Weibullsholm Plant Breeding Institute, Landskrona. Received May 1, 1958.

247311. FRAGARIA (hybrid). Rosaceae. Strawberry.

From Germany. Seeds presented by the Institut fur Gartenbau, Dresden-Pillnitz. Received May 2, 1958.

'Weisse Baron Solmacher'. A monthly strawberry introduced into the trade in 1935. Leaves bright-green with a pale yellow sheen; fruit whitish-yellow with

greenish seeds; flavor sweet-sour, not very aromatic and the fruit is somewhat mealy; nonstoloniferous, propagated by seeds. Not susceptible to white spot disease.

247312. MYROTHAMNUS FLABELLIFOLIA Welw. Myrothamnaceae.

From South West Africa. Plants collected by Louis Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Maryland. Received May 5, 1958.

Col. No. 21591. 'Resurrection Plant'. Dry rocky hills about 15 miles southeast of Usazos. A curious plant; the dried leaves will open in about 24 hours after being wet.

247313. CAMELLIA sp. Theaceae.

From Nepal. Cuttings presented by the United States Operations Mission, Katmandu. Received May 5, 1958.

Collected by Capt. Aditya at 2,500 feet elevation. Climate much like that of the lower Mississippi area. Well drained acid soil.

247314. MALUS SYLVESTRIS Mill. Malaceae. Common apple.

From France. Scions presented by the Lambertin Nurseries, Nimes (Gard). Received April 18, 1958.

'Frequin Lacaille'. Cider apple, cultivated for 60 years by Mr. Lecaille, Frischemesnil, Normandy.

247315 to 247360.

From Colombia. Seeds and tubers collected by D. S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 18, 1958.

Received as tubers, unless otherwise noted.

247315. DIGITALIS PURPUREA L. Scrophulariaceae. Common foxglove.

Col. No. Co-463. Quebrada San Francisco, east of Bogota. Flowers large, reddish to white. (Seeds.)

247316. GOSSYPIUM sp. Malvaceae.

Col. No. Co-465. Hillside, 1 km. south of Quebrada de Vera, road from Malaga to Soata, Santander. Plants to 4.5 meters high; flower yellow with red splotch at base. Bolls very small. (Seeds.)

247317. ILEX sp. Aquifoliaceae.

Col. No. Co-514. Near Totoro, Cauca. Broad-leaved evergreen tree or large shrub with yellow fruits. (Seeds.)

247318. IPOMOEA sp. Convolvulaceae.

Col. No. Co-479. Market, Pasto, Marino. Roots round or fusiform; skin reddish-purple; flesh white.

247319. SOLANUM ANDREANUM Baker Solanaceae.

Col. No. Co-487. About 18 km. from Pasto, road to La Union, Narino. Elevation 2,900 meters. Plant simple or bushy; fruit round-ovoid, 2 cm. long; flowers purplish with darker stripes on back, rotate-stellate; tubers ellipsoid to 3 cm. long.

247320 to 247322. SOLANUM COLOMBIANUM Dunal

247320. Col. No. Co-498. Field near Encano, Narino. Elevation 3,100 meters. Plants spreading, branched; flowers white; fruits ovoid, to 3 cm. long. (Seeds.)

247321. Col. No. Co-500. Quebrada 15 km. from Pasto, road to San Francisco and Mocoa. Elevation 3,200 meters. Plants large, bushy; branches to 8 feet long; fruits ovoid, ellipsoid to 3 cm. long. (Seeds.)

247322. Col. No. Co-525. Paramo 27 km. from Purace, Cauca. Plants large, bushy; flowers white, rotate-stellate; fruits ovoid-ellipsoid to 3 cm. long; no tubers found. (Seeds.)

247323. SOLANUM JUGLANDIFOLIUM Humb. & Bonpl.

Col. No. Co-492. Slope above bridge crossing Rio Putamayo near San Francisco, Narino. Plants large vines; fruits round, green, to 3 cm. in diameter. (Seeds.)

247324 and 247325. SOLANUM MOSCOPANUM Hawkes

247324. Col. No. Co-524. Paramo 32 km. from Purace, Cauca. Elevation 3,000 meters. Flowers light-lavender; fruits ovoid, to 2 cm. long. (Seeds & tubers.)

247325. Col. No. Co-527. Slope 18 km. from Purace, road to Mascopan, Cauca. Elevation 3,375 meters. Flowers lavender-blue with prominent white stripes along back of petals; tubers ellipsoid to 5 cm. long.

247326. SOLANUM TUQUERRENSE Hawkes.

Col. No. Co-509. Ravine, km. 105, between Aldana and Guachucal, Narino. Elevation 3,300 meters. Leaves much divided, shiny green above; flowers large, rotate, purple; fruits ovoid (immature) tuber ellipsoid.

247327. SOLANUM (hybrid).

Col. No. Co-459. Small farm near Choachi, Cundina Marca. Elevation 2,800 meters. Tubers round with shallow eyes; skin bronze; flesh whitish.

247328. SOLANUM (hybrid).

Col. No. Co-461. Road between Facattaiva and San Francisco, Cundina Marca. Elevation 2,800 meters. Plants bushy; flowers rotate, pale lavender; tubers round or ellipsoid, to 4 cm. long and 2 cm. wide.

247329 to 247338. Market, Pasto, Narino.**247329. SOLANUM** (hybrid).

Col. No. Co-469. 'Chaucha' or 'Braziliana'. Tubers round with deep set eyes; skin reddish-purple; flesh yellow.

247330. SOLANUM (hybrid).

Col. No. Co-470. 'Tocana'. Tubers ellipsoid, compressed, small shallow eyes; skin pink or flesh-color; flesh yellowish white.

247331. SOLANUM (hybrid).

Col. No. Co-471. 'Guata'. Tubers round with few shallow eyes; skin bronze color; flesh light-yellow.

247332. SOLANUM sp.

Col. No. Co-472. 'Guata'. Tubers discoid with small eyes; skin dull purple and brownish; flesh light lemon-yellow.

247333. SOLANUM sp.

Col. No. Co-473. 'Chaucha Blanca'. Tubers round and ellipsoid with deep wide eyes; skin tan color; flesh whitish.

247334. SOLANUM sp.

Col. No. Co-474. 'Guata'. Tubers round compressed, with wide yellow eyes; skin blackish-purple; flesh yellowish-white.

247335. SOLANUM sp.

Col. No. Co-475. 'Ajona'. Tubers round with deep wide round eyes; skin mottled purplish and tan; flesh white.

247336. SOLANUM sp.

Col. No. Co-476. 'Pamba Morada'. Tubers round, compressed, with shallow small eyes; skin reddish-bronze; flesh yellowish.

247337. SOLANUM sp.

Col. No. Co-477. 'Pamba Blanca'. Tubers round, compressed, with shallow eyes; skin white; flesh white.

247338. SOLANUM sp.

Col. No. Co-478. Tubers round; eyes shallow; skin white; flesh whitish.

247339. SOLANUM sp.

Col. No. Co-490. On brushy slope 1.5 km. east of Santiago on road to San Francisco, Narino. Elevation 2,200 meters. Plants large and usually branched, to 1 meter high; flowers reddish-purple, rotate; tubers round, small.

247340. SOLANUM sp.

Col. No. Co-491. Two km. east of Santiago, on road to San Francisco, Narino. Elevation 2,200 meters. Plants robust, simple or much-branched; leaves very dark green; flowers reddish-purple; tubers irregular; fruits round, green, to 1.5 cm. long. Apparently blight resistant.

247341. SOLANUM sp.

Col. No. Co-501. 'Pamba Colorado'. Market Tuquerres, Narino. Tubers round, with small eyes; skin purplish-pink; flesh yellow.

247342. SOLANUM sp.

Col. No. Co-502. 'Curiquinga'. Market, Tuquerres, Narino. Tubers roundish with rather deep yellow eyes; skin dull purplish; flesh yellowish.

247343. SOLANUM sp.

Col. No. Co-503. 'Chaucha Negro'. Market, Tuquerrras, Narino. Tubers ellipsoid, with deep, wide eyes; skin dark-purple; flesh deep-yellow.

247344. SOLANUM sp.

Col. No. Co-504. 'Chaucha Colorada'. Market, Tuquerres, Narino. Tubers round or ellipsoid, with deep, wide eyes; skin blood-red; flesh deep-yellow.

247345. SOLANUM sp.

Col. No. Co-505. 'Flor Blanca'. Market, Tuquerres, Narino. Tubers round, compressed, with small, shallow eyes; skin white; flesh white.

247346. SOLANUM sp.

Col. No. Co-506. 'Calovera Blanca'. Market, Tuquerres, Narino. Tubers round with broad, deep eyes; skin white; flesh white.

247347. SOLANUM sp.

Col. No. Co-510. In ravine, 105 km. from Narino between Aldana and Guachucal. Elevation 3,300 meters. Stem and calyx very hispid; flowers purple; tubers ellipsoid.

247348 to 247356. Market Popayan, Cauca.**247348. SOLANUM sp.**

Col. No. Co-515. 'Guata Roja'. Tubers round, with broad shallow eyes; skin purplish-red; flesh yellow.

247349. SOLANUM sp.

Col. No. Co-516. 'Guata Morada'. Tubers round with broad, deep, white-margined eyes; skin dull-purple; flesh whitish.

247350. SOLANUM sp.

Col. No. Co-517. 'Guata'. Tubers ellipsoid, with long narrow shallow eyes; skin bronze-colored; flesh deep lemon-yellow.

247351. SOLANUM sp.

Col. No. Co-518. 'Guata Malvacena'. Tubers round, compressed, with shallow eyes; skin white with reddish blotches; flesh yellow.

247352. SOLANUM sp.

Col. No. Co-519. 'Papa Amarilla'. Tubers ellipsoid with broad folded eyes; skin white with deep pink mottlings; flesh deep-yellow.

247353. SOLANUM sp.

Col. No. Co-520. 'Pastuza'. Tubers ellipsoid, compressed, with broad shallow eyes; skin dull pink; flesh yellowish.

247354. *SOLANUM* sp.

Col. No. Co-521. 'Silviana'. Tubers round with numerous deep eyes; skin white with purplish-red markings; flesh deep golden-yellow.

247355. *SOLANUM* sp.

Col. No. Co-522. 'Guata Puracena'. Tubers ovoid, compressed, with superficial eyes; skin white or white with purplish-red blotches; flesh yellow.

247356. *SOLANUM* sp.

Col. No. Co-523. 'Papa Blanca'. Tubers round with small deep eyes; skin white; flesh white.

247357. *SOLANUM* sp.

Col. No. Co-529. On open cutover slope, among cultivated potatoes, 18 km. from Purace on road to Mascopan, Cauca. Elevation 3,375 meters. Flowers blue; tubers ellipsoid, to 5 cm. long.

247358. *SOLANUM ANDREANUM* Baker

Col. No. Co-487. Pasto, on road to La Union, Narino, Dept. (Fruits.)

247359. *SOLANUM MOSCOPANUM* Hawkes

Col. No. Co-524. Paramo, on road to Moscopan Dept. (Fruits.)

247360. *SOLANUM* sp.

Col. No. Co-491. Paramo, east of Santiago, on road to San Francisco, Narino Depart. (Fruits.)

247361. *SACCHARUM OFFICINARUM* L. Poaceae. **Sugarcane.**

From Germany. Cuttings presented by the Botanic Garden, Berlin-Dahlem. Received Apr. 21, 1958.

247362 to 247366.

From Kenya. Seeds presented by the East African Agriculture and Forestry Research Organization, Kikuyu. Received Apr. 21, 1958.

247362. *IPOMOEA CRASSICAULIS* (Benth.) B. L. Rob. Convolvulaceae.

Morning-glory.

247363. *IPOMOEA DASYSPERMA* Jacq.

Morning-glory.

247364. *IPOMOEA PURPUREA* L.

Common morning-glory.

247365. *IPOMOEA* sp.247366. *QUAMOCLIT LOBATA* (Cerv.) House Convolvulaceae.

Crimson starglory.

247367 to 247382. *ARACHIS HYPOGAEA* L. Fabaceae.

Common peanut.

From French West Africa. Seeds presented by the Centre de Recherches Agronomiques de Bambey, Senegal. Received Apr. 21, 1958. French West African sources indicated.

247367. 'Porto-Alegre'. Plovdiv, Bulgaria.

247368. 'Rouge de Plovdiv'; 'Valencia'. Plovdiv, Bulgaria.

247369. 'Simba-Tiga'; ('Jumbo'). French Guinea.

247370. 28-219. ('Virginia Bunch'). French Guinea.

247371. 29-70. ('Baol Rampant'). Gossas, Senegal.

247372. 32-11. ('Philippine White'). Gambia.

247373. 40-101. ('Baol Dresse'). Bambey, Senegal.

247374. 47-10. ('Java'). Madagascar.

247375. 47-12. ('Java'). Madagascar.

247376. 48-44. ('Virginia Bunch'). Ferkessedougou, Ivory Coast.

247377. Pop. 17. ('Saloum Dresse'.) Ivory Coast.
 247378. Pop. 34. ('Saloum Dresse'.) Ivory Coast.
 247379. Pop. 171. ('Baol Rampant'.) Louga, Senegal.
 247380. Pop. 289. ('Saloum Dresse'.) Secco Keur Valy N'Diaye, Kaolack, Senegal.
 247381. Pop. 293. ('Cayor Rampant'.) Secco de Keur Cheikhou, Djilor, Senegal.
 247382. P.I. 54. ('Chine'.) Antalya, Turkey.

247383 to 247397.

From Angola. Plant material collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 22, 1958.

Collected as bulbs unless otherwise noted.

247383. *ALOE* sp. Liliaceae.

Col. No. 21471. Twenty km. north of Sa da Bandeira. Plant develops stem to 2 meters long.

247384. *GLADIOLUS* sp. Iridaceae.

Col. No. 21531. Abundant in moist meadow, about 30 km. south of Vila Robert Williams. Elevation 1,600 meters. Leaves to 30 cm. long.

247385. *GLADIOLUS* sp.

Col. No. 21530. In loose red soil near Cusse. Elevation 1,600 meters. Leaves to 50 cm. long.

247386. *MORAEA EDULIS* Ker.-Gawl. Iridaceae.

Col. No. 21500. Hillsides near head of Bimbe (Canyon), about 25 km. northwest of Humpata. Elevation 2,200 meters. Bulbs tunicate; stems to 50 cm. high; leaves linear to 100 cm. long; flowers deep purple, almost black.

247387. *IRIS* sp. Iridaceae.

Col. No. 21557. Low scrub area, 15 km. north of Nova Lisboa. Elevation 1,800 meters. Stalk to 50 cm. high; flowers blue.

247388. *IRIS* sp.

Col. No. 21558. Five km. north of Nova Lisboa. Elevation 1,800 meters. Stalk to 60 cm. high; flowers yellow.

247389. *SANSEVIERIA* sp. Liliaceae.

Col. No. 21459. Twenty km. north of Sa da Bandeira. Elevation 1,900 meters. Leaves elliptic, to 25 cm. long, 7 cm. broad; mottled, margins sphacellate. (Plants.)

247390. *SANSEVIERIA* sp.

Col. No. 21504. Abundant in the scrub near Mucuma. Elevation 1,600 meters. Leaves to 80 cm. high, canaliculate at the base. (Plants.)

247391. *SANSEVIERIA* sp.

Col. No. 21528. In scrub forest near Chicomba, Angola. Elevation 1,400 meters. Leaves sphacellate, sometimes tessellate above, to 30 cm. long. (Cuttings.)

247392. (Undetermined.)

Col. No. 21460. Twenty km. north of Sa da Bandeira, Angola. Elevation 5,800 meters. Bulbous plant to 1 meter high, not common.

247393. (Undetermined.)

Col. No. 21461. Twenty km. north of Sa da Bandeira in scrub forest area. Elevation 1,700 meters. Plant to 1 meter high; root comose.

247394. (Undetermined.)

Col. No. 21462. Twenty km. north of Sa da Bandeira. Elevation 1,600 meters. Terrestrial; roots large; calanthe-like bulbs above ground. (Plant.)

247395. (Undetermined.)

Col. No. 21501. Slopes 5 km. north of Hampata. Elevation 2,100 meters. Salmon-color flowers, similar to small gladiolus.

247396. (Undetermined.)

Col. No. 21529. In scrub forest near Chicomba. (Plants.)

247397. *SCILLA LANCEAEFOLIA* Baker. Liliaceae.

Col. No. 21448. Twenty-five km. north of Nova Lisboa. Bulbs round; leaves 20 cm. long and 5 cm. wide.

247398 to 247403.

From Greece. Seeds presented by the Agricultural Attache, United States Embassy, Athens. Received April 22, 1958.

247398 and 247399. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. **Watermelon.**

247398. 'Astakon'. Astakos.

247399. 'Manolados'. Manolas, N.W. Peloponnesus.

247400 to 247403. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

247400. 'Argos'. Argos, N.E. Peloponnesus.

247401. 'Chimoniatico Psachnon'. Psachna, Euboea.

247402. 'Krithino Psachnon'. Psachna, Euboea.

247403. 'Orchomenos'. ('Moulki'.) Orchomenos, near Levadis.

247404 to 247413.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 22, 1958.

From the Yangambi Station of Institut National pour l'Etude Agronomique du Congo Belge.

247404. *BRACHIARIA RUZIZIENSIS* Germain & Evrard Poaceae.

Col. No. 21068. Plant to 50 cm. high; leaves broad and tender. Sodium content said to be high.

247405. *CASSIA HIRSUTA* L. Caesalpinaceae.

Senna.

Col. No. 21076. Suffrutescent annual to two meters high.

247406. *CENTROSEMA PUBESCENS* Benth. Fabaceae.

Col. No. 21064. Vines to 20 cm. long. Useful pasture protein additive.

247407. *CROTALARIA AXILLARIS* Ait. Fabaceae.

Col. No. 21071. Annual savanna plant of interest as green manure.

247408. *CROTALARIA INCANA* L.

Col. No. 21072. Annual savanna plant of interest as green manure.

247409. *INDIGOFEA* sp. Fabaceae.

Col. No. 21063. Small plant with purple-mauve flowers. Useful as low grass pasture.

247410 and 247411. *SETARIA SPHACELATA* (Schum.) Stapf & Hubb. ex. M. B. Moss Poaceae. **Millet.**

247410. Col. No. 21061. Caespitose; blades to 50 cm. long.

247411. Col. No. 21069. Somewhat stoloniferous, to 50 cm. high; inflorescence to one meter high; leaves broad. Sodium content said to be high.

247412. *STYLOSANTHES GRACILIS* H. B. K. Fabaceae.

Col. No. 21060. Plant to one meter high or less when grazed or kept cut back. Said to fruit better in drier savanna areas.

247413. *THEMEDA GIGANTEA* (Cav.) Hack. Poaceae.

Redgrass.

Col. No. 21070. Grass to five meters high.

247414 and 247415. *FRAGARIA* (hybrids). Rosaceae. Strawberry.

From Great Britain. Plants presented by the Scottish Horticultural Institute, Mylnefield, Invergowrie, Dundee, Angus, Scotland. Received Apr. 22, 1958.

'Redgauntlet', a new commercial variety released in England a year ago. Resistant to the common race of red stele disease.

247414. Grown at East Loan Field, Mylnefield.

247415. Grown at Gauze House, Mylnefield.

247416 to 247431. *DIANTHUS* (hybrids). Silenaceae.

Pink.

From France. Cuttings received from the Ministère de l'Agriculture, Nice. Received Apr. 23, 1958.

247416. 'Ambassadeur'.

247424. 'P.I. Awriol'.

247417. 'Boreal'.

247425. 'Rayou D'Or'.

247418. 'Carnaval'.

247426. 'Rodeo'.

247419. 'Liberation'.

247427. 'San Severina'.

247420. 'Messaline'.

247428. 'Seduction'.

247421. 'Mistral'.

247429. 'Vedette'.

247422. 'Monique'.

247430. 'Versailles'.

247423. 'Primavera'.

247431. 'Ville de Nice'.

247432 to 247438.

From Somalia. Seeds presented by Edgar J. Reeves, Mogadisco. Received April 23, 1958.

247432. *AGROSTIS CANINA* L. Poaceae.

Velvet bentgrass.

A perennial rootstock type of grass 40 km. south of Baidoa, in dry farming area; eaten readily by cattle and sheep.

247433. *CANAVALIA* sp. Fabaceae.

Elevation 500 meters. Vine with attractive flowers.

247434. *CORCHORUS* sp. Tiliaceae.

From Bonca farm near Baidoa. Elevation 500 meters. Plant eaten by cattle and sheep.

247435. *CROTALARIA SENEGALENSIS* Bacle. Fabaceae.

Twenty km. west and south of Baidoa. Elevation 500 meters. Camels, cows, and sheep graze the plants when green.

247436. *INDIGOFERA* sp. Fabaceae.

Bonca Experiment farm near Baidoa. Elevation 500 meters.

247437. *SORGHUM VERSICOLOR* Anderss. Poaceae.

Black sudangrass.

Near Baidoa.

247438. *VIGNA SINENSIS* (Torner) Savi. Fabaceae.

Common cowpea.

Bonca Experimental Station, Baidoa.

247439 to 247441.

From Japan. Seeds presented by the Faculty of Agriculture, Kyushu University, Fukuoka. Received Apr. 24, 1958.

247439. *STIZOLOBIUM HASSJOO* Piper & Tracy. Fabaceae.

Yokohama velvetbean.

247440. *STIZOLOBIUM PRURIENS* (Wight) Piper & Tracy. Cowhage velvetbean.247441. *STIZOLOBIUM* sp.

247442 to 247444. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From Sweden. Scions presented by the Horticultural Research Station, Akarp.
Received Apr. 24, 1958.

247442. 'Alfa 68'. A triploid 'Belle de Boskoop' × diploid 'Filippa' from Alnarp Gardens. Tree vigorous; branches spreading; self-fertile, late, bearing even on weak stocks; fruit large, round-oval, somewhat irregular; color similar to 'Belle de Boskoop', green-yellow with a grey russet cover with a distinct flush; flesh cream-colored, firm, brittle, faintly acid with a pleasant flavor; excellent for cooking.

247443. 'Mio'. ('Worcester Pearmain' × 'Oranie') made at Akarp in 1932. Tree upright in habit; leaves medium oblong; flowers mid-season; pollinators 'Cortland', 'Melba', 'James', 'Grieve', 'White', 'Transparente', and 'Safstaholm'; fruit medium round, conical, somewhat flattish, fairly regular; skin thick, green-yellow, with a brilliant red covering most of the fruit; flesh white, tender, fine texture, faintly acid, juicy, with a pleasant flavor.

247444. 'Snovit'. ('Stenback' × 'Pfirsichroter Sommerapfel'). Selection made in 1946. Tree vigorous, very hardy; leaves broad, oblong, faintly acuminate; flowers early; pollinators 'White Transparente', 'Suislepper', 'Early Red Bird' and 'Milba'; fruit medium size, conical, irregular; skin thick, white-yellow and carmine-red, highly colored; flesh white; flavor good. An early dessert apple.

247445 and 247446. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received April 24, 1958.

247445. Wush-Wush, near Bonga, Kaffa Province. Long square-tipped bean. Elevation 1,800 meters.

247446. 'Zeghie'. Peninsula which juts into Lake Tana. Elevation 1,750 meters. Fruit and leaf characteristics indicate an 'Angustifolia' type.

247447 to 247473.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 24, 1958.

Collected in the Belgian Congo unless otherwise noted.

247447. ACACIA DECURRENS Willd. Mimosaceae. Green wattle.

Col. No. 21241. Five km. south of Kayna, Nord du Kivu Province. Elevation 5,800 feet. Tree to 15 meters high.

247448. ACACIA MACROTHYRSA Harms

Col. No. 21137. In closed savanna, Anglo-Egyptian Sudan, about 35 km. north of Aba. Tree about 10 meters high; foliage feathery and not unlike some Australian species.

247449. ACACIA MOLLISSIMA Willd. Black wattle.

Col. No. 21202. Nioka Station of Institut National pour l'Etude Agronomique du Congo. Small trees.

247450. ANGELICA sp. Apiaceae.

Col. No. 21323. In lava field 30 km. south of Rutshuru. Plants to two meters high with abundant seed.

247451. BAUHINIA THONNINGII Schum. Caesalpinaceae.

Col. No. 21110. Dry savanna 20 km. north of Niangara. Small tree, closely related to *B. reticulata*.

247452. BAUHINIA sp.

Col. No. 21078. Yangambi Station of Institut National pour l'Etude Agronomique du Congo. Shrub to four meters high; flowers yellow.

247453. *CAESALPINIA SEPIARIA* Roxb. *Caesalpinaceae*. Mysore thorn.

Col. No. 21251. About 20 km. south of Nioka, near Fataki. A rampant spiny shrub; flowers yellow; fruits many; gum or mucilage in the immature pods.

247454. *CASSIA CORYMBOSA* Lam. *Caesalpinaceae*. Flowery senna.

Col. N. 21266. Twenty km. east of Beni. Shrub to two meters high.

247455. *CASSIA SIAMEA* Lam. Siamese senna.

Col. No. 21130. Dry savanna region 20 km. west of Faradja. Tree to 30 meters high. A fine shade tree for dry, hot regions; also good wood for use in construction.

247456. *CASSIA* sp.

Col. No. 21059. Yangambi Station grounds. Tree to 10 meters with showy yellow flowers; seed pod 25 cm. long.

247457. *CASSIA* sp.

Col. No. 21141. Dry savanna 5 km. north of Aba. Plant to 50 cm. high; pods abundant.

247458. *CASSIA KIRKII* var. *GUINEENSIS* Steyaert Senna.

Col. No. 21278. Near Butembo. Shrub; pods abundant.

247459. *CASSIA* sp.

Col. No. 21326. Fifty km. south of Rutshuru. Plant to 2 meters high.

247460. *CEIBA PENTANDRA* (L.) Gaertn. *Bombacaceae*. Kapok.

Col. No. 21302. Rutshuru. Tree to 25 meters high; crown widespreading.

247461. *CNESTIS FERRUGINEA* DC. *Connaraceae*.

Col. No. 21079. Yangambi Station of Institut National pour l'Etude Agronomique du Congo. Small tree or large shrub; fruits showy.

247462. *COFFEA* sp. *Rubiaceae*.

Col. No. 21206. Forest near Nioka. Small shrub possibly escaped from cultivation.

247463. *COMBRETUM PANICULATUM* Vent. *Combretaceae*.

Col. No. 21133. Savanna area 25 km. west of Faradje. Vine; flowers red.

247464. *CROSSOPTERYX FEBRIFUGA* Benth. *Rubiaceae*.

Col. No. 21113. Savanna at Magombo Station of Institut National pour l'Etude Agronomique du Congo, 30 kms. north of Niangara. Tree to 10 meters high.

247465. *EUPHORBIA* sp. *Euphorbiaceae*.

Col. No. 21296. Ruindi, near Lake Edward. Ornamental for tropics with long dry season.

247466. *HIBISCUS* sp. *Malvaceae*.

Col. No. 21115. Savanna 20 kms. east of Niangara. Plant 1 meter high; calyces with red glands.

247467. *HIBISCUS* sp.

Col. No. 21136. Five kms. north of Aba. Plant to 1 meter high; calyces fleshy, not spiny.

247468. *PACHYRHIZUS EROSUS* (L.) Urban *Fabaceae*. Yam-bean.

Col. No. 21058. Yangambi Station of Institut National pour l'Etude Agronomique du Congo. Tree to 6 meters high.

247469. *TEPHROSIA* sp. *Fabaceae*.

Col. No. 21264. Gravel pit 20 kms. east of Beni.

247470. *URENA LOBATA* L. *Malvaceae*.

Col. No. 21111. Savanna near Niangara. Plant to 30 cm. high.

247471. VERNONIA sp. Asteraceae.

Col. No. 21117. Savanna at Magombo Station of Institut National pour l'Etude Agronomique du Congo, 30 kms. north of Niangara. Flowers blue-purple.

247472. (Undetermined.)

Col. No. 21062. Yangambi Station of Institut National pour l'Etude Agronomique du Congo. Handsome tree to 20 meters high; foliage dark-green.

247473. (Undetermined.)

Col. No. 21080. Yangambi. Tree to 20 meters in forest; leaves decompose; pods indehiscent.

247474 and 247475.

From Somalia. Seeds collected by E. H. Reeves, Mogadisco.

Received April 25, 1958.

247474. TEPHROSIA sp. Fabaceae.

'Dargo Lo'. Bonca Experimental Farm near Baidoa. A native species being developed in dry land areas for use in rotation to crop feed. Livestock and sheep eat it readily. Rainfall 400 to 500 cm. per year, 250-300 cm. in the rainy season.

247475. TEPHROSIA sp.

Bonca Experiment Farm about 4,500 meters elevation. May be same as sample of 'Dargo Lo'. Seeds generally smaller and plant appeared to be slightly smaller-leaved and not as coarse. Rainfall 400 to 550 cm.; 250 to 300 cm. in harvest season.

247476 to 247527.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 25, 1958.

247476. ARGYROLOBIUM AEQUINOCTIALE Welw. & Baker Fabaceae.

Col. No. 21166. Institut National pour l'Etude Agronomique du Congo. Station, Nioka. Shrub to 70 cm. high; foliage green, nearly to ground at end of dry season.

247477. BECKEROPSIS UNISETA (Nees) Stapf ex Robyns Poaceae.

Col. No. 21229. Nioka Station, Institut National pour l'Etude Agronomique du Congo.

247478. CENTROSEMA PLUMIERI (Turp.) Benth. Fabaceae.

Col. No. 21090. Bambesa Station, Institut National pour l'Etude Agronomique du Congo.

247479. CENTROSEMA PUBESCENS Benth.

Col. No. 21084. Bambesa Station, Institut National pour l'Etude Agronomique du Congo. Perennial, good for pasture.

247480. CROTALARIA INCANA L. Fabaceae.

Col. No. 21285. Ten km. south of Beni. Plant to 1 meter high.

247481. CROTALARIA LACHNOCARPA Hochst.

Col. No. 21319. North end of Lake Kivu. Plant to 2 meters high.

247482. CROTALARIA MUCRONATA Desv.

Striped crotalaria.

Col. No. 21322. West side of Lake Kivu near Bntare. Plant to 1 meter high. Abundant pods.

247483. CROTALARIA sp.

Col. No. 21085. Wild in savanna, Bambesa. Plant to 1 meter high.

247484. *CROTALARIA* sp.

Col. No. 21138. Savanna about 30 km. north of Aba. Plant to 1 meter high.

247485. *CROTALARIA* sp.

Col. No. 21147. Five km. north of Aba. Plant to 50 cm. high.

247486. *CROTALARIA ORTHOCLADA* Welw.

Col. No. 21208. Forest area north of Kivu Mountains, 60 km. south of Lubero. Plant to 1 meter high; flowers yellow.

247487. *CROTALARIA* sp.

Col. No. 21235. Ten km. north of Kayua, Nord du Kivu Province. Plant to 1 meter high; leaves small.

247488. *CROTALARIA* sp.

Col. No. 21237. Five km. north of Kayna, Nord du Kivu Province. Plant to 1 meter high; flowers yellow.

247489. *CROTALARIA CHRYSOCHLORA* Baker f.

Col. No. 21246. Near Kayna, Nord du Kivu Province. Plant to 50 cm. high; flowers yellow.

247490. *CROTALARIA* sp.

Col. No. 21249. In dry savanna, 25 km. south of Fatski. Herb to 50 cm. high.

247491. *CROTALARIA* sp.

Col. No. 21286. Fifteen kms. south of Beni. Plant to 1 meter high; flowers yellow.

247492. *CROTALARIA* sp.

Col. No. 21301. In grass 5 km. south of Rutshuru. Plant to 2 meters high; pods abundant.

247493. *CROTALARIA INTERMEDIA* Kotschy *Slenderleaf crotalaria.*

Col. No. 21306. Three km. south of Rutshuru. Plants to 2 meters high; flowers yellow.

247494. *ARGYROLOBIMUM AEQUINOCTIALE* Welw. Fabaceae.

Col. No. 21313. Lava 10 kms. north of Goma. Shrub to 30 cm. high.

247495. *CROTALARIA ACULEATA* var. *CLAESSENSII* (DeWild.) Wilczek. Fabaceae.

Col. No. 21315. Ten kms. north of Goma. Plant to 50 cm. high; spiny.

247496. *CROTALARIA LEBRUNII* Baker f.

Col. No. 21320. Hills above Lake Kivu near Butare. Plant to 4 meters high; flowers pale yellow-green.

247497. *CROTALARIA OOCARPA* Baker

Col. No. 21321. Hills above Lake Kivu near Butare. Leaves very small.

247498. *CROTALARIA* sp.

Col. No. 21325. Five km. south of Rutshuru. Annual to 1 meter high.

247499. *CROTALARIA* sp.

Col. No. 21332. Ten km. north of Goma. Plant to 1 meter high; flowers yellow.

247500. *CYNODON DACTYLON* (L.) Pers. Poaceae. *Bermudagrass.*

Col. No. 21211. Nioka Station, INEAC.

247501. *CYNODON PLECTOSTACHYUM* (Schum.) Pilg. *Stargrass.*

Col. No. 21224. Nioka Station, INEAC.

247502. *ERIOSEMA PSORALIOIDES* (Lam.) G. Don Fabaceae.
Col. No. 21097. Bambesa Station, INEAC. Plant to 1 meter high.
247503. *ERIOSEMA* sp.
Col. No. 21106. Savanna near Magombo Station, INEAC, 30 km. north of Niangara. Plant to 40 cm. high.
247504. *CROTALARIA TENUIRAMA* Welw. Fabaceae.
Col. No. 21120. Savanna near Magombo Station, INEAC, 30 kms. north of Niangara. Plant to 30 cm. high; flowers green.
247505. *ERIOSEMA PSORALIOIDES* var. *GRANDIFLORUM* Staner & DeCraene Fabaceae.
Col. No. 21275. Fifteen km. south of Beni. Flowers yellow.
247506. *GLYCINE JAVANICA* L. Fabaceae.
Col. No. 21317. Fifteen km. west of Goma. Vine.
247507. *INDIGOFERA* sp. Fabaceae.
Col. No. 21124. Savanna area, Gangala Na Bodio.
247508. *INDIGOFERA LONGEBRACTEATA* Engl.
Col. No. 21243. Five km. north of Kayna, Nord du Kivu Province. Plant 1 meter high, much-branched; flowers red.
247509. *INDIGOFERA SUAVEOLENS* Jaub. & Spach Indigo.
Col. No. 21253. Five km. south of Bunia. Plant one meter high.
247510. *INDIGOFERA* sp.
Col. No. 21265. Savanna, 25 km. east of Beni. Plant prostrate.
247511. *INDIGOFERA PANICULATA* Pers. Indigo.
Col. No. 21267. Twenty five km. east of Beni.
247512. *INDIGOFERA VISCOSA* Lam. Indigo.
Col. No. 21268. Savanna, 25 km. east of Beni.
247513. *INDIGOFERA* sp.
Col. No. 21281. Savanna, about 30 km. east of Beni. Shrub to two meters high.
247514. *INDIGOFERA* sp.
Col. No. 21291. Dry hills above Kayna. Shrub to two meters high.
247515. *INDIGOFERA ARRECTA* Hochst. Indigo.
Col. No. 21298. Near Kayna, Nord du Kivu Province. Shrub to one meter high.
247516. *INDIGOFERA SETOSISSIMA* Harms. Indigo.
Col. No. 21311. Lava fields, 50 km. south of Rutshuru.
247517. *INDIGOFERA SUBULATA* Vahl ex Poir. Indigo.
Col. No. 21316. Ten km. north of Goma. Shrub.
247518. *SESBANIA* sp. Fabaceae.
Col. No. 21165. INEAC Station at Nioka. Vine.
247519. *URARIA PICTA* (Jacq.) Desv. Fabaceae.
Col. No. 21101. Savanna, 10 km. north of Dungu. Attractive perennial, 1.5 feet high from sandy places in Guinea; leaves in erect terminal spikes.
247520. *VIGNA SCHIMPERI* Baker Fabaceae.
Col. No. 21219. Nioka Station, INEAC.
247521. *VIGNA SINENSIS* (Torner) Savi Common cowpea.
Col. No. 21160. Market at Aba.

247522. VIGNA sp.

Col. No. 21146. Savanna 30 kms. north of Aba. Vine; flowers attractive.

247523. VIGNA VEXILLATA var. ANGUSTIFOLIA (Schumach.) Baker

Col. No. 21299. Ten kms. north of Kayna, Nord du Kivu Province. Long vine.

247524. VIGNA MICRANTHA Harms

Col. No. 21300. Near Kayna, Nord du Kivu Province. Vine; flowers yellowish.

247525. (Undetermined.)

Col. No. 21121. In savanna area 8 km. north of Aba. Plant to 10 cm. high; flowers yellow.

247526. TEPHROSIA MILBRAEDII Harms Fabaceae.

Col. No. 21209. Mountains of North Kivu, 40 km. south of Lubero. Shrub to 2 meters high.

247527. (Undetermined.)

Col. No. 21282. Gravel pit about 20 km. east of Beni. Small shrub; flowers yellow.

247528. LYCOPERSICON ESCULENTUM Mill. Solanaceae. Tomato.

From Thailand. Seeds presented by Alex Johnson, United States Operations Mission, Bangkok. Received April 28, 1958.

'Tha Phra'. From Plot No. 43. Reported to be virus resistant.

247529 to 247670. VITIS (hybrid). Vitaceae.

From Germany. Cuttings presented by the Landes-Lehr- und Forschungsanstalt, Neustadt. Received April 28, 1958.

247529 to 247572. Originally from the Crimea, Union of Soviet Socialist Republics.

247529. No. 532. 'Alexander'.
North America

247530. No. 533. 'Mourvedre Femelle'.

247531. No. 535. 'Bulgar Isium'

247532. No. 538. 'Serva'.

247533. No. 539. 'Adjem Misquet'.

247534. No. 540. 'Aibatly'.

247535. No. 541. 'Agatsch Sap'.

247536. No. 542. 'Asma Weis'.

247537. No. 543. 'Barmak Isium'.

247538. No. 545. 'Bias Aibatly'.

247539. No. 546. 'Bias Kokour'.

247540. No. 547. Bias Kuku-zeti'.

247541. No. 548. 'Blanc de Crimei'.

247542. No. 549. 'Dschan im Isium'.

247543. No. 550. 'Mursa Isium'.

247544. No. 551. 'Chabache Blanci'.

247545. No. 552. 'Schira Isium'.

247546. No. 554. 'Kandavasta'.

247547. No. 555. 'Kakourdess Weis'.

247548. No. 556. 'Kakour Weis'.

247549. No. 557. 'Misquette'.

247550. No. 559. 'Nuju Isium'.

247551. No. 560. 'Stambul Ali'.

247552. No. 561. 'Taschli'.

247553. No. 562. 'Ter Gulmek'.

247554. No. 564. 'Chaouch de Crimee'.

247555. No. 565. 'Chabache'.

247556. No. 566. 'Cirmisi Sap de Sudak'.

247557. No. 567. 'Abla Aganin Isium'.

247558. No. 568. 'Albourlah'.

247559. No. 569. 'Asma Sohvars'.

247560. No. 570. 'Demir Kara'.

247561. No. 572. 'Al Borla'.

247562. No. 573. 'Asma'.

247653. No. 574. 'Capitaine Jani Kara'.
 247654. No. 577. 'Kefessia'.
 247655. No. 578. 'Missgulli Kara'.
 247656. No. 579. 'Kovalewka'.
 247657. No. 581. 'Kokour Rot'.
 247658. No. 583. 'Rosa Reveliotti'.

247573 to 247585. Originally from Bessarabia, Union of Soviet Socialist Republics.

247573. No. 596. 'Kabasma'.
 247574. No. 597. 'Barmak Isium'.
 247575. No. 598. 'Beloglaska'.
 247576. No. 602. 'Fachren Weis'.
 247577. No. 604. 'Rosa Minna'.
 247578. No. 605. 'Demerdija'.

247586 to 247600. Originally from Astrachann-Astrakhan, Union of Soviet Socialist Republics.

247586. No. 618. 'Noir de Hambourg'.
 247587. No. 619. 'Wengerka'.
 247588. No. 620. 'Dubowsky Schwars'.
 247589. No. 621. 'Safianewy'.
 247590. No. 622. 'Hybride d'Astrachan'.
 247591. No. 623. 'Precoce d'Astrachan'.
 247592. No. 624. 'Noir d'Automne'.

237601 to 247606. Originally from the Union of Soviet Socialist Republics.

247601. No. 636. 'Chaouch des Don'.
 247602. No. 637A. 'Rond du Don', Don
 247603. No. 637B. 'Rond du Don', Don.

247607 to 247612. Originally from Don, Union of Soviet Socialist Republics.

247607. No. 642. 'Puchliskowsky Planc'.
 247608. No. 643. 'Sibirkery'.
 247609. No. 644. 'Sterinky'.
 247610. No. 645. 'Zinliansky Weissi'.
 247611. No. 646. 'Champagtschik'.
 247612. No. 647. 'Muschketny'.

247613 to 247616. Originally from the Crimea, Union of Soviet Socialist Republics.

247613. No. 648. 'Setzlinge Dodreliabi'.

247569. No. 587. 'Tschingine Kara'.
 247570. No. 588. 'Schwarz aus der Krim'.
 247571. No. 591. 'Mavro Kara aus Nikita'.
 247572. No. 593. 'Muscat Nascourlah'.

247579. No. 609. 'Adery'.
 247580. No. 611. 'Arlick'.
 247581. No. 613. 'Allwarna'.
 247582. No. 614. 'Bellardje'.
 247583. No. 615. 'Plawaja'.
 247584. No. 616. 'Serezia Rose'.
 247585. No. 617. 'Ziza Capra'.

247593. No. 627. 'Talstokoschy'.
 247594. No. 628. 'Skoros Peliy'.
 247595. No. 630. 'Blano d'Automne'.
 247596. No. 631. 'Doigt de Demoisellea'.
 247597. No. 632. 'Muscat d'Astrachan'.
 247598. No. 633. 'Kesehmisch aus Indien'.
 247599. No. 634. 'Tonkokory'.
 247600. No. 635. 'Talstokory'.

247604. No. 638. 'Efremowsky'.
 247605. No. 639. 'Melchowsky'.
 247606. No. 640. 'Kossorotowsky'.

247614. No. 649. 'Setzlinge Dodreliabi'.
247615. No. 650. 'Setzlinge von Muscadelle'.
247616. No. 652. 'Setzlinge Schirad Ouli Weissi'.
247617 to 247637. Originall from Don, Union of Soviet Socialist Republics.
247617. No. 653. 'Boulany'.
247618. No. 654. 'Ungarisch'.
247619. No. 655. 'Scheludevy'.
247620. No. 656. 'Scheludevy'.
247621. No. 657. 'Kisilowy'.
247622. No. 658. 'Pletschistik'.
247623. No. 659. 'Moldawsky'.
247624. No. 660. 'Krasnostop'.
247625. No. 661. 'Cheschatisky'.
247626. No. 662. 'Zimliansky Schwarz'.
247627. No. 663. 'Solotowsky'.
247628. No. 664. 'Krestowsky'.
247629. No. 665. 'Konstantinowsky'.
247630. No. 666. 'Potschatoschny'.
247631. No. 667. 'Puchliakowsky Schwarz'.
247632. No. 672. 'Dlinnochwosty'.
247633. No. 673. 'Varuschkin'.
247634. No. 674. 'Sadowy'.
247635. No. 675. 'Leanoy'.
247636. No. 676. 'Alenky'.
247637. No. 677. 'Sinenky'.
247638. No. 678. 'Amlachy', Abkhazia, Union of Soviet Socialist Republics.
247639. No. 679. 'Dodreliabi'. Georgia, Union of Soviet Socialist Republics.
247640. No. 681. 'Tawkvorn Cartalinsky', Georgia, Union of Soviet Socialist Republics.
247641. No. 682. 'Gybride Diamante', Crimea, Union of Soviet Socialist Republics.
247642. No. 683. 'Gybride Diamante', Crimea, Union of Soviet Socialist Republics.
247643. No. 685. 'Gybride Diamante', Crimea, Union of Soviet Socialist Republics.
247644. No. 686. 'Setzlinge Furmint', Crimea, Union of Soviet Socialist Republics.
247645. No. 687. 'Mardganni'. Originally from Grusien, Union of Soviet Socialist Republics.
247646. No. 688. 'Mzivani'.
247647. No. 689. 'Ukasitelli'.
247648 to 247652. Originally from Dagestan, Union of Soviet Socialist Republic.
247648. No. 691. 'Kaytagi'.
247649. No. 692. 'Agadai'.
247650. No. 695. 'Jaslik Isium'.
247651. No. 697. 'Himrisnky'.

247652. No. 698. 'Ag Isium'.
247653. No. 699. 'Alwan'. Originally from Azerbaijan, Union of Soviet Socialist Republics.
247654. No. 700. 'Narma'. Originally from Dagestan, Union of Soviet Socialist Republics.
247655. No. 701. 'Rich Baba Rose'. Originally from Dagestan, Union of Soviet Socialist Republics.
247656. No. 702. 'Chajtli'. Originally from Azerbaijan, Union of Soviet Socialist Republics.
- 247657 to 247662. Originally from Armenia, Union of Soviet Socialist Republics.
247657. No. 706. 'Ambary'.
247658. No. 708. 'Ganzziandy'.
247659. No. 710. 'Chiradzouli Weissi'.
247660. No. 711. 'Askiary Kischmisch'.
247661. No. 712. 'Korisa Kischmisch'.
247662. No. 714. 'Kischmisch Marmorartig'.
247663. No. 715. 'Jolla Houssein Zibil'. Originally from Dagestan, Union of Soviet Socialist Republics.
- 247664 to 247670. Originally from Azerbaijan, Union of Soviet Socialist Republics.
247664. No. 716. 'Manala Chany'. 247668. No. 725. 'Chardchi Weissi'.
247665. No. 719. 'Nachschaby'. 247669. No. 726. 'Chasany'.
247666. No. 720. 'Novrast'. 247670. No. 733. 'Houssein'.
247667. No. 722. 'Rundweissi'.

247671 to 247750.

From the Belgian Congo. Seeds collected by L. O. Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch Crops Research Division, Beltsville, Md. Received April 28, 1958.

247671. *CANAVALIA GLADIATA* (Jacq.) DC. Fabaceae. **Swordbean.**
Col. No. 21294. Hills above Kayna. Elevation 5,500 feet. Vine climbing in shrubs.
247672. *CANAVALIA GLADIATA* (Jacq.) DC. **Swordbean.**
Col. No. 21297. Near Kayna. Vine; flowers large, purple; seeds blackish-brown.
247673. *CROTALARIA ONONIOIDES* var. *PUBESCENS* Wilczek. Fabaceae.
Col. No. 21272. About 20 km. east of Beni. Flowers reddish.
247674. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**
Col. No. 21140. Thirty km. north of Aba. Fruits to 20 cm. in diameter; flesh yellow, good.
247675. *CYNODON DACTYLON* (L.) Pers. Poaceae. **Bermudagrass.**
Col. No. 21225. Nioka Station, INEAC, Nioka.
247676. *GLYCINE JAVANICA* L. Fabaceae.
Col. No. 21154. Savanna 5 km. north of Aba. Vine.
247677. *GLYCINE JAVANICA* var. *CLAESSENSII* (DeWild.) Hauman
Col. No. 21210. Nioka Station, INEAC, Nioka.
- 247678 and 247679. *GLYCINE MAX* (L.) Merr. **Soybean.**
247678. Col. No. 21200. 'Herman'. Nioka Station, INEAS, Nioka.
247679. Col. No. 21201. 'Otootan'. Nioka Station, INEAC, Nioka.

247680. GLYCINE SCHLIEBENII Harms

Col. No. 21216. Nioka Station, INEAC, Nioka.

247681. LAGENARIA SICERARIA (Mol.) Standl. Cucurbitaceae. Bottle gourd.

Col. No. 21116. Magombo Station, INEAC, 30 km. north of Niangara. Vine; fruits round, to 20 cm. in diameter.

247682. LEUCAENA LEUCOCEPHALA (Lam.) deWit. Mimosaceae. Leadtree.

Col. No. 21127. Fifty-four km. west of Faradje. Shrub to two meters high.

247683. LEUCAENA (hybrid). Leadtree.Col. No. 21087. (*L. leucocephala* × *L. pulverulenta*). Bambesa Station, INEAC. Tree to eight meters high.**247684. PENNISETUM PURPUREUM SCHUM. Poaceae. Napiergrass.**

Col. No. 21227. Nioka Station, INEAC, Nioka.

247685. PENNISETUM POLYSTACHYON (L.) Schult.

Col. No. 21112. Savanna 20 km. east of Niangara. Plant one meter high.

247686 to 247693. PHASEOLUS CALCARATUS Roxb. Fabaceae. Rice bean.

From Nioka Station, INEAC, Nioka.

247686. Col. No. 21191. No. 5. 247690. Col. No. 21195.

247687. Col. No. 21192. No. D60. 247691. Col. No. 21196. 'Gandajika'.

247688. Col. No. 21193. 'Blanc'. 247692. Col. No. 21197.

247689. Col. No. 21194. 'Rouge'. 247693. Col. No. 21199.

247694 to 247720. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

247694 to 247702. African Market in Aru.

247694. Col. No. 21157-A. 247699. Col. No. 21158-A.

247695. Col. No. 21157-B. 247700. Col. No. 21158-B.

247696. Col. No. 21157-C. 247701. Col. No. 21158-C.

247697. Col. No. 21157-D. 247702. Col. No. 21158-D.

247698. Col. No. 21157-E.

247703 to 247705. Native market near Nioka.

247703. Col. No. 21205-A.

247704. Col. No. 21205-B.

247705. Col. No. 21205-C.

247706 to 247720. Fifteen km. north of Goma.

247706. Col. No. 21329-A. 247714. Col. No. 21331-A.

247707. Col. No. 21329-B. 247715. Col. No. 21331-B.

247708. Col. No. 21329-C. 247716. Col. No. 21331-C.

247709. Col. No. 21329-D. 247717. Col. No. 21331-D.

247710. Col. No. 21330-A. 247718. Col. No. 21331-E.

247711. Col. No. 21330-B. 247719. Col. No. 21331-F.

247712. Col. No. 21330-C. 247720. Col. No. 21331-G.

247713. Col. No. 21330-D.

247721 and 247722. SORGHUM SUDANENSE (Piper) Stapf Poaceae.**Sudangrass.**

247721. Col. No. 21152. Near Kitambala, 60 km. south, southeast of Aba. Plant tall with open panicle.

247722. Col. No. 21228. Nioka Station, INEAC, Nioka.

247723. *SORGHUM VERTICILLIFLORUM* (Steud.) Stapf Tabucki grass.

Col. No. 21221. Nioka Station, INEAC, Nioka.

247724 to 247745. *SORGHUM BICOLOR* (L.) Moench

247724. Col. No. 21103. Fourteen km. north of Dungu. Plant two meters high. Inflorescence short. Plant shows no disease.

247725. Col. No. 21134. Twenty-five km. west of Faradje. Plant to two meters high; heads small.

247726. Col. No. 21155. African market at Aru. Market specimen.

247727 to 247745. From Nioka Station, INEAC, Nioka.

247727. Col. No. 21173. 'Aolo'. Logo-Mahagi.

247728. Col. No. 21174. 'Libi'. Libi.

247729. Col. No. 21175. 'Nkankama'. Gandajika.

247730. Col. No. 21176. 'Rudasakwa'. Rubona.

247731. Col. No. 21177. 'Vebe IV'. Ambaki.

247732. Col. No. 21178. 'Zabi'. Zabi-Nioka.

247733. Col. No. 21179. 'Ngiramugufu'. Kiyaka.

247734. Col. No. 21180. 'Onierma'. Sel. Nioka.

247735. Col. No. 21181. 'Aolo' (Logo). Sel. Nioka.

247736. Col. No. 21182. 'Aolo' (Logo). Sel. Nioka.

247737. Col. No. 21183. 'Aolo' (Logo). Sel. Nioka.

247738. Col. No. 21184. 'Dra' (Ambaki). Sel. Nioka.

247739. Col. No. 21185.

247740. Col. No. 21186. 'Aolo'. Logo.

247741. Col. No. 21187. 'Aolo'. Logo.

247742. Col. No. 21188. 'Rudasakwa'. Rubona.

247743. Col. No. 21189. 'Cinz Loyec'.

247744. Col. No. 21190. 'U. g. 6. 7.'. Kwakwada.

247745. Col. No. 21215. 'Tjolutjo'. Ybi.

247746. *SORGHUM* sp.

Col. No. 21213. Nioka Station, INEAC, Nioka. Origin: Niarembe.

247747. *SORGHUM* sp.

Col. No. 21220. Nioka Station, INEAC, Nioka. Originally from France.

247748. *SORGHUM* sp.

Col. No. 21218. Nioka Station, INEAC, Nioka. Originally from Kenya.

247749. *THEMEDA TRIANDRA* Forsk. Poaceae.

Roqi grass.

Col. No. 21226. Nioka Station, INEAC, Nioka.

247750. *ZEA MAYS* L. Poaceae.

Corn.

Col. No. 21156. Market specimen.

247751. *CITRUS SINENSIS* (L.) Osbeck Rutaceae. Sweet orange.

From Sicily. Budsticks presented by the Fruit Experiment Station, Acireale. Received Apr. 28, 1958.

'Clementine Monreal'. A sport, previously from Boufarik, Algeria. A selection more productive than the standard strains; fruits seedier than average.

247752. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

From France. Seeds presented by A. Rousset & Fils, Paris. Received Apr. 29, 1958.

'Socheville'.

247753. DIOSCOREA FLORIBUNDA Mart. & Gal. Dioscoreaceae.**Yam.**

From Cuba. Tubers and plants presented by Justo Hidalgo, Havana. Received Apr. 29, 1958.

247754 to 247765.

From Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 29, 1958.

247754. HIBISCUS ESCULENTUS L. Malvaceae.**Okra.**

Col. No. 21144. Savanna area about 30 km. north of Aba.

247755. ASPARAGUS AFRICANUS Lam. Convallariaceae.

Col. No. 21008. Kisantu Botanical Garden, Kisantu. Vine growing on support; ripe fruits dull orange color.

247756 to 247759. CAJANUS CAJAN (L.) Druce Fabaceae.**Pigeonpea.**

247756. Col. No. 21125. One km. east of Faradje.

247757. Col. No. 21284. Native garden, five km. south of Beni.

247758. Col. No. 21148. Dry savanna area, 10 km. north of Aba.

247759. Col. No. 21248. East of Bunia.

247760. BENINCASA HISPIDA (Thumb.) Cogn. Cucurbitaceae.**Waxgourd.**

Col. No. 21287. In mountain forest about 25 km. south of Lubero. Vine in trees; fruits to 15 cm. long and four cm. in diameter; orange to reddish when mature.

247761. ELEUSINE CORACANA (L.) Gaertn. Poaceae.**Ragi.**

Col. No. 21161. African market, Aba.

247762. LUFFA CYLINDRICA (L.) Roemer Curcubitaceae.**Suakwa towelgourd.**

Col. No. 21119. In grass along river, Bungu.

247763 to 247765. PHASEOLUS VULGARIS L. Fabaceae.**Common bean.**

African market near Nioka.

247763. Col. No. 21204-A.

247764. Col. No. 21204-B.

247765. Col. No. 21204-C.

247766 and 247767.

From South West Africa. Plants collected by Louis Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 5, 1958.

247766. ANACAMPSEROS sp. Portulacaceae.

Col. No. 21600. Twenty miles east, southeast of Usaxos. Plants small; corms large; leaves silvery-white.

247767. (Undetermined.)

Col. No. 21588. Dry rocky hills about 10 miles south of Windhoek. Elevation 5,600 feet.

247768. CATHA EDULIS Forsk. Celastraceae.**Kat.**

From Ethiopia. Seeds presented by the United States Operations Mission, Coffee Production Board, Addis Ababa. Received May 8, 1958.

Evergreen shrub native to Arabia. The dried leaves are sometimes used as a substitute for tea by the natives. A mild intoxication of long duration often follows the use of 'khat' leaves.

247769 to 247787.

From Great Britain. Plants presented by Geoffrey Hayes Ltd., Grasmere, Westmoreland, England. Received May 5, 1958.

247769. *COTONEASTER CONGESTA* Baker Malaceae.

Plant dwarf, congested habit; leaves oval to obovate, 0.5 inch long; flowers 0.25 inch wide, pinkish; fruit globose, red, 0.25 inch wide. Native to the Himalayas.

247770 and 247771. *CRYPTOMERIA JAPONICA* (L. f.) D. Don Pinaceae.

Common cryptomeria.

247770. 'Globosa'. Slow growing, compact, roundish bush to eight feet high.

247771. 'Jindai-Sugi'.

247772 and 247773. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae.

Lawson falsecypress.

247772. 'Ellwoodii'. Slow growing, compact, conical bush; branchlets recurving; leaves longer, thinner, more glaucous than 'Fletcheri'.

247773. 'Glaucu Spek'. Plant vigorous; leaves glaucous.

247774. *CUPRESSUS MACROCARPA* Hartw. Pinaceae.

Monterey cypress.

'Lutea'. Plant very vigorous; leaves golden.

247775 to 247778. *CHAMAECYPARIS PISIFERA* (Sieb. & Zucc.) Endl. Pinaceae.

Sawara retinospora.

247775. 'Aregentea Pygmaea'. Plant slow growing; foliage silvery.

247776. 'Compressa'. Plant dwarf and compact; foliage golden color.

247777. 'Nana Aurea'. A slow growing, dwarf shrub; foliage golden-green ostrich-plume.

247778. 'Nana'. Similar to 247776.

247779. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. **Lawson falsecypress.**

'Forsteckiana Glauca'. Wide-spreading bush of regular outline without a distinct leading shoot.

247780. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl.

Hinoki falsecypress.

'Lanei Aurea'.

247781. *CHAMAECYPARIS PISIFERA* (Sieb. & Zucc.) Endl. **Sawara retinospora.**

'Squarrosa Nana Aurea'. Dense bush: juvenile leaves glaucous, very soft, in pairs or whorls of fours.

247782. *HYPERICUM PATULUM* Thunb. Hypericaceae.

St.-Johns-wort.

'Hidcote'. Hardy variety; flowers large, flat, deep golden-yellow.

247783. *JUNIPERUS COMMUNIS* L. Pinaceae.

Common juniper.

'Repandens'.

247784. *JUNIPERUS HORIZONTALIS* Moench

Creeping juniper.

'Compacta'.

247785. *JUNIPERUS CHINENSIS* L.

Chinese juniper.

'Blannin'.

247786. *JUNIPERUS SQUAMATA* var. *FARGESII* Rehd. & Wils.

Plant upright, slow growing; leaves silvery above.

247787. *THUJA PLICATA* D. Don Pinaceae.

Giant arborvitae.

'Zebrina'. Leaves barred with distinct green and silver markings.

247788 to 247791. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

From Peru. Seeds presented by A. F. Swanson, Hays, Kansas. Received May 6, 1958.

247788. 'Macate. Extensively grown in the higher altitudes of Peru, generally pastured rather than cut for hay; sometimes called a winter alfalfa; stems fine, leafy.

247789. 'Moche'. Similar to 'Moncefu'.

247790. 'Moncefu'. Known as 'Hairy Peruvian'. Plants tall; stems coarse; scanty-leaved summer type. Grows rapidly and recovers quickly from cutting but will not live long.

247791. 'San Pedro'. 'Hairy Peruvian' type; one of the best in Peru. Grown extensively under irrigation along the arid coast.

247792 to 247796. *LUPINUS LUTEUS* L. Fabaceae.

European yellow-lupine.

From the Netherlands. Seeds presented by D. J. Van Der Have, Kapelle-Biezelinge, Rotterdam. Received May 6, 1958.

247792. 'Lupin Jorlupine'.

247795. 'Palvo'.

247793. 'Martini'.

247796. 'Weiko III'.

247794. 'Nevin'.

247797 to 247800.

From Finland. Plants presented by the Horticultural Research Institute, Piikkio. Received May 6, 1958.

247797. *RUBUS* sp. Rosaceae.

'Anelma'.

247798. *RUBUS IDAEUS* L.

European raspberry.

'Asker'. A Norwegian variety.

247799 and 247800. *RUBUS* (hybrids).

247799. No. 2018/2. (*R. idaeus* × *R. arcticus*).

247800. No. 2075/15. (*R. idaeus* × *R. arcticus*).

247801 to 247803.

From Portugal. Plants presented by Alfredo Moreira da Silva & Filhos, Ltd., Porto. Received May 6, 1958.

247801. *BANKSIA GRANDIS* Willd. Proteaceae.

247802 and 247803. *CUPRESSUS LUSITANICA* Mill. Pinaceae.

Portuguese cypress.

247802. 'Pendula'.

247803. 'Donna Maria Mendia'.

247804 and 247805.

From the Belgian Congo. Scions and seeds collected by Louis O. Williams, agricultural explorer, New Corps Research Branch, Corps Research Division, Beltsville, Md. Received May 6, 1958.

247804. *CITROPSIS LATIALATA* (Wildem.) Swingle & M. Kellerman Rutaceae.

Col. No. 21615. Botanical Garden, Kisantu. Shrub to two meters high. (Scions).

247805. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

Col. No. 21621. Botanical Garden, Kisantu. Plant to 60 cm. high. (Seeds).

247806 to 247811.

From Africa. Seeds presented by Berkery, Inc., New York, N.Y. Received May 6, 1958.

247806 to 247808. *CHLORIS GAYANA* Kunth Poaceae.

Rhodesgrass.

247806. 'Mbarara'.

247807. 'Nzoia'.

247808. 'Nzoia'.

247809 and 247810. *HELIANTHUS ANNUUS* L. Asteraceae. Common sunflower.

247809. Seed black.

247810. 'Jupiter'. Seed small, black.

247811. *SETARIA SPHACELATA* (Schum.) Stapf & Hubb. ex M. B. Moss Poaceae.
'Nandi'. Millet.

247812. *EUPHORBIA PULCHERRIMA* Willd. Euphorbiaceae.
Common poinsettia.

From Mexico. Seeds presented by Arthur Stockdale, Mexico City. Received May 6, 1958.

247813 to 247829.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 7, 1958.

Collected February and March, 1958.

247813 to 247815. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae. Sweetpotato.

247813. Col. No. 21168. 'Director'. INEAC, Nioka. Originally from Kivu. Divided leaves, a primitive African type.

247814. Col. No. 21169. 'Takanaka'. INEAC, Nioka. Leaves much dissected.

247815. Col. No. 21258. Eighty km. north of Beni. Plant growing as a weed.

247816. *IPOMOEA* sp.

Col. No. 21114. Savanna near Niangara.

247817. *IPOMOEA* sp.

Col. No. 21118. Savanna 28 km. north of Niangara. Magombo Station, INEAC.

247818. *IPOMOEA* sp.

Col. No. 21126. Savanna near Gaugala.

247819. *IPOMOEA* sp.

Col. No. 21252. Forty-five km. northeast of Bunia.

247820. *PACHYRHIZUS* sp. Fabaceae.

Col. No. 21122. Twenty-five km. west of Faradje.

247821. *PHASEOLUS CALCARATUS* Roxb. Fabaceae. Rice bean.

Col. No. 21198. Nioka Station, INEAC.

247822 and 247823. *PHASEOLUS LUNATUS* L. Lima Bean.

247822. Col. No. 21150. Thirty km. north of Aba. Vine climbing on trees.

247823. Col. No. 21307. In lava fields 30 km. south of Rutshuru. Vine, looks like wild lima bean.

247824. *PHYSALIS PERUVIANA* L. Solanaceae. Peruvian groundcherry.

Col. No. 21207. 'Tambuaac'. African market near Nioka. Fruits yellow-green, 15 mm. diameter, deep yellow inside; flavor good. Used commercially to make jam.

247825. *PHYSALIS* sp.

Col. No. 21232. Twenty five km. south of Lubero. Elevation 2,000 meters. Fruits resemble small tomatoes in size and taste, but are yellow at maturity and enclosed in papery bracts.

247826. *PROTEA* sp. Proteaceae.

Col. No. 21149. Closed savanna, 30 km. north of Aba. Tree to 3 meters high.

247827. *PSOPHOCARPUS PALUSTRIS* Desv. Fabaceae.

Col. No. 21098. Bambesa Station, INEAC.

247828. *SOLANUM* sp. Solanaceae.

Col. No. 21100. 'Nsua'. Twenty km. north of Niangara. Plant 15 to 30 cm. high; fruits red to 3 cm. in diameter.

247829. *SOLANUM CAMPYLACANTHUM* Hochst.

Col. No. 21254. Five km. south of Beni. Flowers blue; fruits yellow, 2 cm. in diameter, mucilaginous.

247830. *PYRUS COMMUNIS* L. Malaceae.**Pear.**

From Great Britain. Scions presented by the John Innes Horticultural Institute, Bayfordbury, Hertford, Herts, England. Received May 8, 1958.

'Merton Pride' (4016). ('Glau Morceau' × 'Williams 4').

247831 to 247866.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 7, 1958.

Collected February and March 1958.

247831. *ALYSICARPUS RUGOSUS* (Willd.) DC. Fabaceae.

Col. No. 21270. Twenty kms. east of Beni.

247832. *GLYCINE JAVANICA* L. Fabaceae.

Col. No. 21203. 'Mia'. African market at Nioka.

247833 and 247834. *DESMODIUM VELUTINUM* (Willd.) DC. Fabaceae.

247833. Col. No. 21102. Dry savanna 25 kms. north of Dungu. Plant to 30 cm. high.

247834. Col. No. 21107. Savanna 65 kms. east of Niangara. Plant to 30 cm. high.

247835. *DESMODIUM RAMOSISSIMUM* G. Don.

Col. No. 21096. Savanna about 15 km. north of Dungu. Perennial to 25 cm. high.

247836. *DESMODIUM* sp.

Col. No. 21109. Edge of savanna, 100 km. west of Niangara. Plant to 30 cm. high.

247837. *DESMODIUM* sp.

Col. No. 21132. Savanna area, 25 km. west of Faradje. Plant to 2 meters high.

247838. *DESMODIUM VELUTINUM* (Willd.) DC.

Col. No. 21271. Gravel pit 20 km. east of Beni. Shrub to one meter high; seed pods abundant.

247839. *DESMODIUM SALICIFOLIUM* (Poir.) DC.

Col. No. 21274. Ten km. south of Beni. Elevation 1,200 meters. Plant to one meter high.

247840. *DIGITARIA UNIGLUMIS* (A. Rich.) Stapf. Poaceae.

Col. No. 21240. Near Kayna, Nord du Kivu. Bunch grass, but with spike to three meters high.

247841. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae.**Ragi.**

Col. No. 21145. Planting area in savanna, 30 km. north of Aba.

247842. *INDIGOFERA ARRECTA* Hochst. Fabaceae. **Indigo.**
Col. No. 21167. Plot at INEAC Station, Nioka. Shrub to two meters high.
247843. *INDIGOFERA EMARGINELLA* Steud. **Indigo.**
Col. No. 21212. INEAC Station, Nioka.
247844. *INDIGOFERA ERECTA* Thunb. **Indigo.**
Col. No. 21153. Near Kitambala, about 60 km. south, southeast of Aba. Shrub to two meters high.
247845. *INDIGOFERA HIRSUTA* L. **Hairy indigo.**
Col. No. 21131. Dry roadside in savanna, 10 km. west of Faradje.
247846. *INDIGOFERA POLYSPHAERA* Baker.
Col. No. 21108. Dry savanna near Magombo Station, INEAC, 28 km. north of Niangara. Shrub to 30 cm. high; withstands dry season.
247847. *INDIGOFERA ENDECAPHYLLA* Jacq. **Creeping indigo.**
Col. No. 21081. Yangambi Station, INEAC. Plant prostrate; flowers mauve.
247848. *INDIGOFERA ENDECAPHYLLA* Jacq. **Creeping indigo.**
Col. No. 21082. Bambesa station, INEAC. Withstands dry season.
247849. *INDIGOFERA ARRECTA* Hochst.
Col. No. 21273. In savanna, 15 kms. south of Beni. Shrub to 1 meter high.
- 247850 and 247851. *MOGHANIA RHODOCARPA* (Baker) Hauman Fabaceae.
247850. Col. No. 21088. Bambesa station, INEAC. Plant to 4 meters high; used as green manure and as shade in coffee plantation.
247851. Col. No. 21223. Nioka Station, INEAC.
247852. *RHYNCHOSIA* sp. Fabaceae.
Col. No. 21164. Nioka Station, INEAC. Vine growing over trellises.
- 247853 to 247855. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
247853. Col. No. 21135. Field 5 km. north of Aba.
247854. Col. No. 21142. Field 30 km. north of Aba.
247855. Col. No. 21159. African market in Arua. Seeds small.
247856. *SESBANIA PACHYCARPA* DC. Fabaceae.
Col. No. 21091. Bambesa Station, INEAC. Used as pasturage.
247857. *SESBANIA SESBAN* (L.) Merr.
Col. No. 21092. Bambesa Station, INEAC. Used as pasturage and green manure.
247858. *SIDA* sp. Malvaceae.
Col. No. 21105. Dry savanna near Niangara. Plant to 30 cm. high; flowers yellow.
247859. *SIDA* sp.
Col. No. 21327. Twenty-five kms. south of Rushuru. Elevation 1,800 meters. Plant to 3 meters high; flowers mauve.
- 247860 and 247861. *SORGHUM BICOLOR* (L.) Moench Poaceae.
247860. Col. No. 21172. Nioka Station, INEAC. Heads compact, 10 by 5 cm.; seeds small, red.
247861. Col. No. 21231. Nioka Station, INEAC.
247862. *STIZOLOBIUM* sp. Fabaceae.
Col. No. 21089. Bambesa Station, INEAC. Plant to one meter high; used as green manure and for ground cover.
247863. *STIZOLOBIUM* sp.
Col. No. 21093. Bambesa Station, INEAC.

247864. *STYLOSANTHES ERECTA* Beauv. Fabaceae.

Col. No. 21217. Nioka Station, INEAC.

247865. *TRIFOLIUM USAMBARENSE* Taub. Fabaceae.

Col. No. 21308. Lava field 30 km. south of Rutshuru. Elevation 1,600 meters.

247866. *VIGNA* sp. Fabaceae.

Col. No. 21094. Bambesa Station, INEAC.

247867 and 247868. *TRIFOLIUM SQUARROSUM* L. Fabaceae. Clover.

From Italy. Seeds presented by the Instituto di Agronomia Generale, della Università di Pisa, Pisa. Received May 6, 1958.

247867. Type A.

247868. Type B.

247869. *PINUS SYLVESTRIS* L. Pinaceae.

Scotch pine.

From Greece. Seeds presented by the Agricultural Attache, United States Embassy, Athens, Greece. Received May 9, 1958.

247870. *CITRUS MACROPTERA* Montrous Rutaceae.

From New Caledonia. Budsticks presented by F. Felix Demene, Noumea. Received May 9, 1958.

Serres districts, Laila, Eastern Macedonia. Elevation 3,800 feet.

247871 to 247878. *ORYZA SATIVA* L. Poaceae.

Rice.

From Pakistan. Seeds presented by the Agricultural Research Service, Dokri. Received May 9, 1958.

247871. 'Bengalo'.

247872. 'Jajai-77'.

247873. 'Kangani-27'.

247874. 'Kangai' × 'Torh'. (16-1-28).

247875. 'Palman Suffaid'.

247876. 'Sada Culab'.

247877. 'Silver Jubilee'.

247878. 'Sonahafi'.

247879 to 247891. *ORYZA SATIVA* L. Poaceae.

Rice.

From India. Seeds presented by the Punjab Agricultural College, Lyallpur. Received May 9, 1958.

247879. '278 Sathra'. (very early).

247880. NC 7/37. (very early).

247881. '160 Johna' (early).

247882. '349 Johna' (early).

247883. '346 Mahlar'.

247884. '46 Palman'.

247885. '246 Palman'.

247886. C 5-17.

247887. S 12 D.Z.K.

247888. '28 Toga'. (medium).

247889. 'H 117 Bara'. (late).

247890. '370 Basmati'.

247891. '41 Mushkan'.

247892 and 247893.

From Peru. Tubers presented by D. V. Applegate, Ferriday, Louisiana. Received May 8, 1958.

247892. *SOLANUM* sp. Solanaceae.

Collected in an Indian market north of Lima. Tuber purplish-pink; flesh yellow. Cultivated around Arequipa, Peru, and Cochabamba, Bolivia.

247893. *CYCLANTHERA PEDATA* (L.) Schrad. Cucurbitaceae.

'Archojas'.

247894. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

From the Union of Soviet Socialist Republics. Seeds presented by the United States Embassy, Moscow. Received June 12, 1958.

247895. *GUILIELMA* sp. Phoenicaceae.

From Ecuador. Seeds collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 12, 1958.

No. 89. 'Chontilla'. Near Pichilingu. Collected May 1, 1958. Small fruits, with thin pericarp; source of a cooking oil.

247896 and 247897.

From the Territory of Papua and New Guinea. Seeds presented by the Department of Forests. Received June 12, 1958.

247896. *CASUARINA* sp. Casuarinaceae.

247897. *CASUARINA PAPUANA* S. Moore

247898. *LOTUS TENUIS* Waldst. & Kit. Fabaceae.

Trefoil.

From Greece. Seeds presented by the Agricultural Attache, United States Embassy, Athens. Received June 13, 1958.

Formerly from Louis Saint-Teannet and Company, France. Plants hardy, almost prostrate, make good spring and fall recovery after cutting; stems numerous, light green; flowers reddish-orange. Collected October 25, 1955.

247899. *SESAMUM* sp. Pedaliaceae.

From Angola. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 13, 1958.

Col. No. 21478. Indehiscent capsule.

247900. *NICOTIANA FRAGRANS* Hook. Solanaceae.

Tobacco.

From New Caledonia. Seeds presented by the South Pacific Commission, Noumea. Received June 17, 1958.

Typical form collected at Tadine, Mare Island, Loyalty Group, in May, 1958.

247901 to 247905.

From Australia. Seeds presented by George W. Althofer, Dripstone, New South Wales. Received May 13, 1958.

247901. *EUCALYPTUS ERYTHRONEMA* Turcz. Myrtaceae.

'Mallee'. Red variety.

247902. *EUCALYPTUS GROSSA* F. Muell.

'Mallee'.

247903. *EUCALYPTUS TORQUATA* Luehm.

'Brilliant'. Shrubby type.

247904. *EUCALYPTUS TORQUATA* Luehm.

'Pendula'.

247905. *EUCALYPTUS* sp.

247906. CAYAPONIA sp. Cucurbitaceae.

From Mexico. Seeds collected by Bernice G. Schubert, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 14, 1958.

Col. No. 1602. Two km. from Hucnucma, along roadside toward Sisal, Yucatan. Vine with green fruits turning orange; seeds small, black.

247907 to 247922. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Peru. Seeds presented by the Ministry of Agriculture, Lima. Received May 14, 1958.

247907. 'Andes 55'.	247915. 'Mara'.
247908. 'Bonza'.	247916. 'Marchetti'.
247909. 'Candealfen'.	247917. 'Menflo'.
247910. 'Fiorello'.	247918. 'Stripe'.
247911. 'Freccia'.	247919. 'Thiosauveva'.
247912. 'Hatif Watines'.	247920. 'Titano'.
247913. 'Kenyafer'.	247921. 'Torrenova'.
247914. 'Maipofen'.	247922. 'Vilufen'.

247923 to 247926. HORDEUM VULGARE L. Poaceae. Common barley.

From Canada. Seeds presented by the Department of Agriculture, Ottawa, Ontario. Received May 14, 1958.

247923. 'Minerva'.
247924. 'Rivale'.
247925. 'Shaddock'.
247926. 'Slovak'.

247927 and 247928. HORDEUM VULGARE L. Poaceae.**Common barley.**

From Cyprus. Seeds collected by G. A. Wiebe, Cereal Crops Research Branch, Plant Industry Station, Beltsville, Md., in Nicosia, in 1955. Numbered May 14, 1958.

247927. Six row type.
247928. Fixed intermediate.

247929 to 247943. AVENA SATIVA L. Poaceae.**Common oats.**

From Brazil. Seeds presented by the Estacao Experimenta da Frontience, Bage, Received May 15, 1958.

247929. 'Ascencao'.	247937. 'Klein Va'.
247930. 'Atlas 14535'.	247938. 'Marion'.
247931. 'Bage 4446-39'.	247939. 'Marion (b) 100'.
247932. 'Bage'.	247940. 'Urugland'.
247933. 'Castanha'.	247941. No. B-000.
247934. 'D.L.M. 3'.	247942. No. 7214-43.
247935. 'Don Pedrito'.	247943. No. 9551-43.
247936. 'Klein Mar'.	

247944 to 247955. ORYZA SATIVA L. Poaceae.**Rice.**

From Costa Rica. Seeds presented by the Inter-American Institute of Agricultural Sciences, Turrialba. Received May 15, 1958.

247944. 'Canairo'.
247945. 'Cateto Branco'.

247946. 'Catibao Dourado'.
 247947. 'Catito Dourado'.
 247948. 'Dourado Agullia'.
 247949. 'Dourado Agullia' X 'Dourado Pelundo'.
 247950. 'Iguape Agulha'.
 247951. 'Jaguari' X 'Iola'.
 247952. 'Kretk' (Dutch Guiana).
 247953. 'Pretao'.
 247954. 'Secano'.
 247955. 'Skriviman Kotti' (Dutch Guiana).

247956. ORYZA SATIVA L. Poaceae.

Rice.

From Cuba. Seeds presented by W. C. Davis, Arrozal, Bartes, S.A., Jobabo. Received May 15, 1958.

'Cuba 65'.

247957. CUCUMIS MELO L. Cucurbitaceae.

Muskmelon.

From Finland. Seeds presented by the Director of Pahjois Pohjanmaan, Rovaniemi. Received May 16, 1958.

'Kiva'. Seeds held at the Regional Plant Introduction Station, Experiment, Ga.

247958. GUADUA ANGUSTIFOLIA Kunth Poaceae.

Bamboo.

From Ecuador. Plants presented by the Estacion Experimental Tropical, Pichilingue, Guayaquil. Received May 16, 1958.

247959 to 248145.

From Brazil unless otherwise noted. Collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md.

247959 to 247996. Received May 19, 1958.

Collected at Riberao do Campo, Corupa, State of Santa Catharina, as plants, except where otherwise noted.

247959. *AECHMEA CALYCVLATA* (Morren) Baker. Bromeliaceae.

Col. No. 18885. Elevation 500 meters. Epiphyte in dense virgin forest.

247960. *HIPPEASTRUM PSITTACINUM* (Ker.) Herb. Amaryllidaceae.

Col. No. 18909. Elevation 700 meters. Plant frequent on trees and ground, in moderate shade; flowers light to dark red. (Bulbs.)

247961. *ANTHURIUM LACEIDAE* Reitz. Araceae.

Col. No. 18841. Elevation 500 meters.

247962. *ANTHURIUM HARRISII* (Graham) Endl.

Col. No. 18870. Rio Paulo. Elevation 700 meters. Epiphyte; leaves dark green.

247963. *BEGONIA* sp. Begoniaceae.

Col. No. 18895. Elevation 500 meters.

247964. *BEGONIA* sp.

Col. No. 18896. Elevation 400 meters. Plant to four feet high.

247965. *BEGONIA* sp.

Col. No. 18898. Elevation 400 meters. In open land on hill slopes.

247966. *CANISTRUM LINDENI* var. *ROSEUM* (Morren) L. B. Smith Bromeliaceae.

Col. No. 18921. Elevation 500 meters. Large epiphyte in deep shade.

247967. *CORYTHOLOMA BULBOSUM* (Ker) Voss Gesneriaceae.

Col. No. 18928. 'Rainha do Alismo'. Elevation 65 meters. Among rocks at 900 meters elevation. Leaves pubescent; flowers red. (Bulb.)

247968. *DICHORISANDRA* sp. Commelinaceae.

Col. No. 18911. Elevation 600 meters. Shrub to four feet high in dense forest; leaves with whitish streaks.

247969. *EPIDENDRUM* sp. Orchidaceae.

Col. No. 18872. Rio Paulo. Elevation 700 meters. Epiphyte in virgin forest.

247970. *EPIDENDRUM FRAGRANS* Sw. Orchidaceae.

Orchid.

Col. No. 18920. Elevation 700 meters. Epiphyte in dense forest; flowers white to pale green.

247971. *HEDYCHIMUM COCCINEUM* Buch.-Ham. Zingiberaceae.

Gingerlily.

Col. No. 18901. Elevation 70 meters. Common in marshes; flowers white.

247972. *HELICONIA BIHAI* L. Musaceae.

Col. No. 18849. Plant 15 feet high.

247973. *HUNTLEYA MELEGRIS* Lindl. Orchidaceae.

Col. No. 18874. 'Estrelha da Republica'. Elevation 700 meters. Epiphyte in dense virgin forest; flowers starshaped.

247974. *JUSTICIA MAGNIFICA* Pohl Acanthaceae.

Col. No. 18894. Elevation 500 meters. Plant to five feet high; flowers reddish-pink.

247975. *JUSTICIA* sp.

Col. No. 18908. Elevation 600 meters. Shrub five feet high; flowers deep pink.

247976. *LYCOPODIUM* sp. Lycopodiaceae.

Col. No. 18866. Rio Paulo. Elevation 500 meters. Epiphyte in rain forest.

247977. *MUSA* × *PARADISIACA* L. Musaceae.

Common banana.

Col. No. 18837. 'Bananeira'. (*M. acuminata* × *M. balbisiana*). Plant to 15 feet high; flowers violet.

247978. *NIDULARIUM INNOCENTII* Lem. Bromeliaceae.

Col. No. 18912. Elevation 600 meters. Epiphyte in dense, high forest.

247979. *ONCIDIUM VARICOSUM* Lindl. Orchidaceae.

Orchid.

Col. No. 18850. Fairly frequent in forest.

247980. *ONCIDIUM* sp.

Col. No. 18876. Elevation 700 meters. Epiphyte in virgin forest.

247981. *PHILODENDRON BIPINNATIFIDUM* Schott. Araceae.

Col. No. 18923. Elevation 65 meters. Epiphyte in dense virgin forest.

247982. *RHIPSALIS* sp. Cactaceae.

Col. No. 18900. Elevation 400 meters.

247983. *SCINDAPSUS* sp. Araceae.

Col. No. 18843. Elevation 500 meters. Climber with large leaves.

247984. *PHYLLITIS SCOLOPENDRIUM* Newman Polypodiaceae.

Col. No. 18904. Elevation 600 meters. Epiphyte in dense forest.

247985. *SELAGINELLA* sp. Selaginellaceae.

Col. No. 18905. Elevation 600 meters. Streamside rocks in forest.

247986. *SOBRALIA* sp. Orchidaceae.

Col. No. 18899. Elevation 400 meters. Plant to 1.6 meters high; leaves dark green; flowers yellow.

247987. *TILLANDSIA GARDNERII* Lindl. Bromeliaceae.

Col. No. 18926. Elevation 65 meters. Epiphyte. An interesting *Tillandsia*.

247988. *VRIESIA CARINATA* Wawara Bromeliaceae.

Col. No. 18869. Elevation 700 meters. Epiphyte in rain forest.

247989. *VRIESIA PLATYNEMA* Gaud.

Col. No. 18924. Epiphyte in dense, high forest.

247990. *VRIESIA RODIGASIANA* E. Morr.

Col. No. 18925. Elevation 500 meters. Epiphyte in dense high forest.

247991. *VRIESIA* sp.

Col. No. 18865. Rio Paulo. Elevation 400 meters. Rain forest.

247992. (Undetermined.)

Col. No. 18887. Elevation 400 meters. Herbaceous plant to 30 cm high; flowers small, white.

247993. (Undetermined.)

Col. No. 18890. Elevation 500 meters. Petals white inside and red at tip.

247994. (Undetermined.)

Col. No. 18891. Elevation 63 meters. Terrestrial; leaves dark green with deeper green margins.

247995. *HYPOCYRTA* sp. Gesneriaceae.

Col. No. 18897. Elevation 400 meters. Plant 1.7 meters high.

247996. (Undetermined.)

Col. No. 18906. Elevation 500 meters. Epiphyte in dense, virgin forest.

247997 to 248010. Collected April 14 to 18, 1958. Received May 19, 1958.

247997. *BEGONIA* sp. Begoniaceae.

Col. No. 18815. Base of Serra do Mar, Cuatro Barras, Parana. Elevation 950 meters. Plants to 2 meters high; leaves deep green above, reddish beneath; inflorescence reddish-pink.

247998. *HOLOCALYX* sp. Caesalpinaceae.

Col. No. 18706. 'Pan Alecrim'. Horto Florestal, Cantareira, Sao Paulo. Tree medium size; flowers white.

247999. *JACARANDA ACUTIFOLIA* Humb. & Bonpl. Bignoniaceae.

Col. No. 18715. Horto Florestal, Cantareira, Sao Paulo. Tree medium size; flowers purplish-blue, fragrant at times.

248000. *MYRCIARIA JABOTICABA* (Vell.) Berg. Myrtaceae.

Col. No. 18930. 'Jaboticaba'. Corupa, Santa Catharina. Elevation 65 meters. Tree to 4.5 meters high; foliage dark green.

248001. *PHILODENDRON IMBE* Schott Araceae.

Col. No. 18833. 'Imba'. Campaninas, foothills of Serra do Mar, Parana. Epiphyte on dry, fallen, tree trunk.

248002. *PODOCARPUS LAMBERTII* Klotzsch Taxaceae.

Col. No. 18961. Tainhas, Serra Gerat, Rio Grande do Sul. Elevation 1,000 meters. Tree to 14 meters high.

248003. *STERCULIA CHICHA* St. Hil. Sterculiaceae.

Col. No. 18709. 'Chicha' or 'Xixa'. Horto Florestal, Cantareira, Sao Paulo. Tree to 15 meters high; leaves large with fruits about the size of an orange.

248004. *TABEBUIA CHRYSOTRICHA* Nicholson Bignoniaceae.

Col. No. 18703. 'Ipe Amarelo'. Horto Florestal, Cantareira, Sao Paulo. Tree medium size; flowers in yellow clusters.

248005. *TIBOUCHINA GRANULOSA* (Desr.) Cogn. Melastomataceae.

Col. No. 18716. 'Quaresmeira Roxa'. Horto Florestal, Cantareira, Sao Paulo. Tree to 12 meters high; flowers in deep purplish clusters.

248006. *TIPUANA TIPU* (Benth.) Kuntze Fabaceae. **Tipu-tree.**

Col. No. 18711. 'Tipuana'. Horto Florestal, Cantareira, Sao Paulo. Wide-spreading tree to 14 meters high; flowers yellow.

248007. *VRIESIA* sp. Bromeliaceae.

Col. No. 18962. Tres Farquilhas, Rio Grande do Sul. Elevation 500 meters. Epiphyte in rain forest.

248008. *VRIESIA* sp.

Col. No. 18963. Tres Farquilhas, north of Porto Alegre, Rio Grande do Sul. Elevation 500 meters. Large epiphyte in high, dense forest.

248009. *VRIESIA* sp.

Col. No. 18964. Porto Alegre, Rio Grande do Sul. Elevation 20 meters. Epiphytic and terrestrial; leaves pink at tip.

248010. *PITTOSPORUM UNDULATUM* Vent. Pittosporaceae.

Col. 18707. 'Pan Incenso'. Horto Florestal, Cantareira, Sao Paulo. Ornamental tree to 12 meters high; flowers white, fragrant.

248011 to 248030. Received May 19, 1958.

248011. *AECHMEA* sp. Bromeliaceae.

Col. No. 18735. Summit of Serra Sao Luiz. Elevation 1,100 meters.

248012. *HIPPEASTRUM VITTATUM* (L'Her.) Herb. Amaryllidaceae

Col. No. 18799. Piraquara, Serra do Mar, Parana. Elevation 950 meters. Plant among rocks in moderate shade, handsome ornamental; flowers large, blood-red.

248013. *ANTHURIUM ACUTUM* N. E. Br. Araceae.

Col. No. 18903. Riberao do Rancho, Corupa, Santa Catharina. Elevation 600 meters. Epiphyte in dense virgin forest.

248014. *BEGONIA* sp. Begoniaceae.

Col. No. 18816. Cuatro Barros, Serra do Mar, Parana. Elevation 950 meters. Plants to 1 meter high; flowers white.

248015. *BEGONIA* sp.

Col. No. 18817. Cuatro Barros, Serra do Mar, Parana. Elevation 950 meters. Plants about 1 meter high, wide-spreading; leaves rather large, deep green above, rusty brown beneath; flowers pale pink.

248016. *BEGONIA* sp.

Col. No. 18818. Cuatro Barros, Serra do Mar, Parana. Elevation 950 meters. Plant about 1 meter high; inflorescence pink.

248017. *BILLBERGIA SPECIOSA* Thunb. Bromeliaceae.

Col. No. 18880. Riberao do Rancho, Corupa, Santa Catharina. Elevation 700 meters. Epiphyte in dense, virgin forest; flowers deep pink.

248018. *BILLBERGIA* sp.

Col. No. 1882. Riberao do Rancho, Corupa, State of Santa Catharina. Elevation 700 meters. Epiphyte in dense, virgin forest.

248019. *CTENANTHE MUELLERI* Peters. Marantaceae.

Col. No. 18940. Fazenda do Arayo, Osario, Rio Grande do Sul. Elevation 10 meters. In swamp forest. Flowers white to yellowish.

248020. *DICKSONIA SELLOWIANA* Hook. Pteridaceae.

Col. No. 18975. 'Xaxim' or 'Xaxi'. Boca da Serra, near summit of eastern ruin of Serra Geral, Rio Grande do Sul. Elevation 900 meters. Tree fern; trunk to 3 meters high.

248021. *EPIDENDRUM ELLIPTICUM* Sesse & Moc. Orchidaceae. Orchid.

Col. No. 18730. Slopes of Serra Sao Luiz, Parana. Elevation 1,050 meters. Terrestrial orchid, about 25 cm. high; flowers pink.

248022. *EUTERPE EDULIS* Mart. Phoenicaceae. Para palm.

Col. No. 18942. 'Palmito'. Fazenda do Arayo, Osario, Rio Grande do Sul. Elevation 5 meters. Slender palm about 8 meters high; in swampy forest; young leaf shoots cooked and used for salad.

248023. *GEONOMA SCHOTTIANA* Mart. Phoenicaceae. Palm.

Col. No. 18935. 'Uricana'. Fazenda do Arrayo, Rio Grande do Sul. Elevation 10 meters. Palm to 5 meters high; fruits ornamental.

248024. *PHILODENDRON* sp. Araceae.

Col. No. 18916. 'Imbe'. Riberao do Rancho, Santa Catharina. Elevation 600 meters. Epiphyte common in high, dense forest.

248025. *PHILODENDRON SELLOUM* C. Koch

Col. No. 18948. 'Guaimbe'. Fazenda do Arrayo, Rio Grande do Sul. Elevation 10 meters.

248026. *QUESNELIA IMBRICATA* L. B. Smith Bromeliaceae.

Col. No. 18720. Serra Sao Luiz, Parana. Elevation 7,500 meters. Ornamental growing in moderately deep shade; flowers light to deep pink.

248027. *RHIPSALIS* sp. Cactaceae.

Col. No. 18806. Piraquinna, Serra do Mar, Parana. Elevation 950 meters. Epiphyte on trunk of *Cedrela* sp.; fruits yellowish-pink.

248028. *RHIPSALIS* sp.

Col. No. 18864. Rio Paulo, Corupa, Santa Catharina. Elevation 300 meters. Epiphyte; common in crotches of trees in open.

248029. (Undetermined.)

Col. No. 18834. Piraquara, foothills of Serra do Mar, Parana. Elevation 950 meters. Aquatic in stagnant water.

248030. (Undetermined.)

Col. No. 18892. Corupa, Santa Catharina. Elevation 63 meters. Terrestrial; flowers white.

248031 to 248057. Received May 19, 1958.

248031. *AECHMEA* sp. Bromeliaceae.

Col. No. 18886. Riberao do Rancho, Corupa, Santa Catharina. Elevation 400 meters. Epiphyte in dense, virgin forest.

248032. *ANTHURIUM ACUTUM* N. E. Br. Araceae.

Col. No. 18836. Corupa, Santa Catharina. Elevation 500 meters. Leaves dark green.

248033. *ANTHURIUM* sp.

Col. No. 18842. Corupa, Santa Catharina. Elevation 100 meters. In rain forest of Rio Paulo.

248034. *BILLBERGIA* sp. Bromeliaceae.

Col. No. 18907. Riberao do Rancho, Corupa, Santa Catharina. Elevation 600 meters. Epiphyte in dense, high forest.

248035. *BILLBERGIA* sp.

Col. No. 18913. Riberao do Rancho, Corupa, Catharina. Elevation 600 meters. Epiphyte in high forest.

248036. *BILLBERGIA NUTANS* H. Wendl.

Col. No. 18884. Riberao do Rancho, Corupa, Santa Catharina. Elevation 500 meters. Epiphyte near edge of stream.

248037. *CASSIA BICAPSULARIS* L. Caesalpinaceae.

Senna.

Col. No. 18702. 'Canuto de Pito'. Horto Florestal, Cantareira, Sao Paulo. Tree or shrub 5 meters high.

248038. *CASSIA SPECIOSA* Schrad.

Senna.

Col. No. 18705. 'Manduirana'. Horto Florestal, Cantareira, Sao Paulo. Tree to 5.5 meters high; flowers yellow, in attractive cluster.

248039. *CHORISIA SPECIOSA* St. Hil. Bombacaceae.

Floss-silktree.

Col. No. 18712. 'Panheira'. Horto Florestal, Cantareira, Sao Paulo. Fast growing tree to 18 meters high; crown round; flowers deep pink, becoming whitish with age.

248040. *DICHORISANDRA THYRSIFLORA* Mikan. Commelinaceae.

Col. No. 18922. Corupa, Santa Catharina. Elevation 65 meters in dense forest; leaves with grayish streaks.

248041. *EPIDENDRUM* sp. Orchidaceae.

Col. No. 18867. Rio Paulo, Corupa, Santa Catharina. Elevation 700 meters. Epiphyte in rain forest.

248042. *HEDYCHUM GARDNERIANUM* ROSE. Zingiberaceae. India gingerlily.

Col. No. 18847. 'Lirio'. Corupa Santa Catharina. Leaves dark green; flowers white, wide-spreading.

248043. *MONSTERA* sp. Araceae.

Col. No. 18845. Corupa, Santa Catharina. Elevation 500 meters.

248044. *ONCIDIUM* sp. Orchidaceae.

Col. No. 18874. Rio Paulo, Corupa, Santa Catharina. Elevation 700 meters. In dense virgin forest.

248045. *ONCIDIUM* sp.

Col. No. 18878. Riberao do Rancho, Corupa, Santa Catharina. Elevation 700 meters. Epiphyte in dense, virgin forest; flowers yellow.

248046. *PEPEROMIA* sp. Piperaceae.

Col. No. 18889. Riberao do Rancho, Corupa, Santa Catharina. Elevation 500 meters. Attached to moist rocks.

248047. *PHILODENDRON* sp. Araceae.

Col. No. 18927. Corupa, Santa Catharina. Elevation 65 meters. Leaves dark green.

248048. *PHILODENDRON* sp.

Col. No. 18844. Corupa, Santa Catharina. In rain forest.

248049. *PLEUROTHALLIS* sp. Orchidaceae.

Col. No. 18914. Riberao do Rancho, Corupa, Santa Catharina. Elevation 600 meters. Terrestrial, in high, dense forest; leaves with greenish-gray markings.

248050. *PLEUROTHALLIS* sp.

Col. No. 18915. Riberao do Rancho, Corupa, Santa Catharina. Elevation 600 meters. Terrestrial in dense, high forest; leaves partly green, partly grayish.

248051. *SPATHODEA CAMPANULATA* Beauv. Bignoniaceae.

Col. No. 18713. Horto Florestal, Cantareira, Sao Paulo. Medium size tree; flowers deep red. Of African origin, but frequently found in Latin America.

248052. *TABEBUIA VELLOSI* Toledo. Bignoniaceae.

Col. No. 18704. 'Ipe Roxo'. Horto Florestal, Cantareira, Sao Paulo. Medium-sized to rather high tree.

248053. *TIBOUCHINA MUTABILIS* Cogn. Melastomataceae.

Col. No. 18714. 'Quaresmeira'. Horto Florestal, Cantareira, Sao Paulo. Tree to 10 meters high; flowers white at first, becoming lilac and finally magenta-colored.

248054. *TIBOUCHINA* sp.

Col. No. 18881. Riberao do Rancho, Corupa, Santa Catharina. Shrub or small tree to 3 meters high at edge of forest; flowers lilac colored.

248055. *CAESALPINIA PELTOPHOROIDES* Benth. Caesalpinaceae.

Col. No. 18708. 'Sibipuruna'. Horto Florestal, Cantareira, Sao Paulo. Tree to 13 meters high; flowers small, yellow, in clusters.

248056. (Undetermined.)

Col. No. 18848. 'Cambuca'. Corupa, Santa Catharina. Tree to 3.5 meters high; fruits yellow; pulp edible.

248057. (Undetermined.)

Col. No. 18871. Rio Paulo, Corupa, Santa Catharina. Elevation 700 meters. Epiphyte in rain forest.

248058 to 248064. Received May 19, 1958.

248058. *CALLIANDRA TWEEDI* Benth. Mimosaceae.

Col. No. 18696. Institut Florestal, Rio Claro, Sao Paulo. Wide-spreading shrub with dense foliage; flowers reddish-pink.

248059. *GUNNERA MANICATA* Linden Halorrhagidaceae. **Great gunnera.**

Col. No. 18959. Boca da Serra, Sao Francisco de Paulo, Rio Grande do Sul. Elevation 900 meters. Rare plant with stems to 2 meters long; leaves about 2 meters wide.

248060. *MARANTA* sp. Marantaceae.

Col. No. 18840. Corupa, Santa Catharina. Elevation 63 meters; leaves dark green with grayish-white stripes.

248061. *TILLANDSIA PULCHELLA* Hook. Bromeliaceae.

Col. No. 18939. 'Cravo do Mato'. Fazenda do Arrayo, Osorias, Rio Grande do Sul. Elevation 10 meters.

248062. *TYPHA ANGUSTIFOLIA* L. Typhaceae.

Cattail

Col. No. 18968. Osario, north of Porto Alegre, Rio Grande do Sul. Elevation 50 meters. Flowers yellowish to brown.

248063. *TILLANDSIA ENSIFORMIS* Vell. Bromeliaceae.

Col. No. 18873. Rio Paulo, Corupa, Santa Catharina. Elevation 700 meters. Epiphyte in virgin forest.

248064. (Undetermined.)

Col. No. 18888. Riberao do Rancho, Corupa, Santa Catharina. Elevation 500 meters. Terrestrial in virgin rainforest.

248065 to 248105. Received May 20, 1958.

248065. *ALOCASIA CUPREA* C. Koch Araceae.

Col. No. 19035. Sao Paulo. Leaves dark green, shiny.

248066. *HIPPEASTRUM PSITTACINUM* (Ker) Herb. Amaryllidaceae.

Col. No. 19040. 'Acucena'. Sao Paulo. Growing on decayed tree trunk.

248067. *BEGONIA* sp. Begoniaceae.

Col. No. 18972. Tres Furquinhos. Rio Grande do Sul. Elevation 600 meters. Plant to 45 cm. high.

248068. *BEGONIA* sp.

Col. No. 18973. Tres Furquillos, Rio Grande do Sul. Elevation 500 meters. Leaves dark green above, copper-brown beneath.

248069. *BEGONIA MANICATA* Cels

Col. No. 19038. Sao Paulo. Elevation 200 meters. Leaves thick, pinkish-red underneath.

248070. *CALLIANDRA HAEMATOCEPHALA* Hassk. Mimosaceae.

Col. No. 19033. 'Inga'. Sao Paulo. Shrub to 2.5 meters high; flowers with long pendent filaments.

248071. *CYCAS* sp. Cycadaceae.

Col. No. 19039. Sao Paulo.

248072. *ZYGOCACTUS TRUNCATUS* K. Schum. Cactaceae. Christmas cactus.

Col. No. 18857. Rio Paulo, Corupa, Santa Catharina. Elevation 300 meters. Succulent; flowers deep pink.

248073. *ERYTHRINA SPECIOSA* Andr. Fabaceae.

Col. No. 19037. Ilhabella, Sao Paulo. Elevation five meters. Tree to 18 meters high; flowers pink.

248074. *FICUS MONCKII* var. *SAN-MARTINIANUS* Parodi Moraceae. Fig.

Col. No. 19003. 'Agarra-palo'. Facultad de Agronomia y Veterinaria. Tree to 14 meters high; crown wide-spreading.

248075. *HEDYCHIUM COCCINEUM* Buch.-Ham. Zingiberaceae. Gingerlily.

Col. No. 19043. Sao Paulo. Leaves to 1.5 meters; flowers red. (Rhizomes.)

248076. *JATROPHA MULTIFIDA* L. Euphorbiaceae.

Col. No. 19030. Ilhabella, Sao Paulo. Elevation 5 meters. Shrub to 21 dm. high; leaves used as compresses to heal wounds.

248077. *ONCIDIUM VARICOSUM* var. *ROGERSII* Reichb f. Orchidaceae. Orchid.

Col. No. 19028. Ilhabella, Sao Paulo. Elevation 5 meters.

248078. *OXALIS* sp. Oxalidaceae.

Col. No. 18971. Boca da Serra, Rio Grande do Sul. Elevation 700 meters. Plant to 37 cm. high.

248079. *PAIVAEA LANGSDORFFII* Berg. Myrtaceae.

Col. No. 19042. 'Cambuci'. Sao Paulo.

248080. *PEPEROMIA* sp. Piperaceae.

Col. No. 18970. Eastern escarpment of Serra Genol, Tres Furquillos, Rio Grande do Sul. Elevation 600 meters.

248081. *PETREA SERRULATA* Presl Verbenaceae.

Col. No. 19022. 'Flor de Sao Miquel'. Corupa, Santa Catharina. Elevation 65 meters. Woody vine; flowers violet-blue, in large, erect racemes.

248082. *PHILODENDRON* sp. Araceae.

Col. No. 19052. 'Rubrum'. Sao Paulo. Leaves fairly large, pale brown to copper on underside.

248083. *PHILODENDRON VERRUCOSUM* Schott

Col. No. 19050. Sao Paulo. Leaves dark green; pale purplish on underside.

248084. *PHILODENDRON* sp.

Col. No. 19051. 'Imbre Buambe'. Sao Paulo Epiphyte.

248085. *PHYTOLACCA DIOICA* L. Phytolaccaceae. Ombu.

Col. No. 19004. 'Ombii'. Facultad de Agronomia y Veterinaria, Buenos Aires, Argentina. Tree to 15 meters high; crown dense.

248086. *PILEA CADIEREI* Gagn. & Guill. Urticaceae.

Col. No. 19031. Sao Paulo. Elevation 200 meters. Plant to 60 cm. high; leaves dark green with gray patches. Grows best in half shade.

248087. *POTHOS* sp. Araceae.

Col. No. 18982. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Epiphyte with small, thick leaves.

248088. *RHIPSALIS MYOSURAS* Foerst. Cactaceae.

Col. No. 18958. Fazenda do Arroyo, Rio Grande do Sul.

248089. *SALVIA* sp. Menthaceae.

Col. No. 18974. Boca da Serra, summit of Serra Gerol, Rio Grande do Sul. Elevation 900 meters. Plant to 37 cm. high.

248090. *SANSEVIERIA* sp. Lilaceae.

Col. No. 18985. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Plant to 13 dm. high; leaves with gray bands.

248091. *SANSEVIERIA* sp.

Col. No. 18986. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Plant to 1 meter high; leaves dark green with deep yellow edges.

248092. *SANSEVIERIA* sp.

Col. No. 18987. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Plant to 50 cm. high; leaves grayish to predominantly white.

248093. *SANSEVIERIA* sp.

Col. No. 18988. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Plant to 2 meters high; leaves with alternating light and dark green bands.

248094. *SANSEVIERIA* sp.

Col. No. 18989. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Plant to 7.5 dm. high; leaves with greenish crossbands.

248095. *SANSEVIERIA* sp.

Col. No. 18990. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Leaves with green and gray crossbands.

248096. *SANSEVIERIA* sp.

Col. No. 18992. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. A low rosette type with narrow light gray crossbands.

248097. *SESBANIA* sp. Fabaceae.

Col. No. 18736. State of Parana. Elevation 950 meters. Shrub to 24 dm. high; top flat.

248098. *SWARTZIA LANGSDORFFII* Raddi Caesalpiniaceae.

Col. No. 19041. Instituto de Botanica, Campo de Estado, Sao Paulo. Tree to 9 meters high; crown dense.

248099. *TIBOUCHINA GRANULOSA* (Desf.) Cogn. Melastomataceae.

Col. No. 19034. 'Cor da Rosa'. Sao Paulo. Tree to 9 meters high; fairly dense crown; flowers rose-pink.

248100. *TIBOUCHINA* sp.

Col. No. 19029. Ilhabela, Sao Paulo. Shrub to 2.5 meters high; leaves purple, covered with grayish pubescence.

248101. *VRIESIA* sp. Bromeliaceae.

Col. No. 18976. On eastern escarpment of Serra Gerol, Rio Grande do Sul. Elevation 800 meters.

248102. (Undermined.)

Col. No. 18879. Riberao do Rancho, Corupa, Santa Catharina. Elevation 700 meters.

248103. (Undetermined.)

Col. No. 18981. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Woody vine; flowers pinkish, fairly large.

248104. (Undetermined.)

Col. No. 19021. Rio Claro, Sao Paulo.

248105. (Undetermined.)

Col. No. 19036. Plant to 40 cm. high; leaves light green and creamy yellow.

248106 to 248139. Received May 20, 1958.

248106. *ADIANTUM* sp. Polypodiaceae.

Col. No. 19059. Ilhabella, Sao Paulo. Elevation 5 meters. Plant to 50 cm. high.

248107. *ALOCASIA LOWII* Hook. Araceae.

Col. No. 19070. Instituto Agronomico, Campinas, Sao Paulo.

248108. *ALOCASIA* sp.

Col. No. 19068. Instituto Agronomico, Campinas, Sao Paulo. A decorative plant with light green leaves.

248109. *ALOCASIA* sp.

Col. No. 19072. Instituto Agronomico, Campinas, Sao Paulo.

248110. *CYPRIPEDIUM* sp. Orchidaceae.

Col. No. 19032. Sao Paulo. Plant prostrate.

248111. *CORYTHOLOMA BULBOSUM* (Ker) Voss Gesneriaceae.

Col. No. 19075. 'Rainha do Abismo'. Instituto Agronomico, Campinas, Sao Paulo.

248112. *GRINDELIA BUPHTHALMOIDES* DC. Asteraceae.

Col. No. 19002. Facultad de Agronomia y Veterinaria, Buenos Aires, Argentina. Plant to 13 dm. high; flowers yellow. Said to be resistant to cold and suitable for rock gardens.

248113. *GYNURA DENSIFLORA* Miq. Asteraceae.

Col. No. 19073. Instituto Agronomico, Sao Paulo. Plant to one meter high; leaves purplish pubescent.

248114. *JACOBINA VELUTINA* (Nees) Voss. Acanthaceae.

Col. No. 19057. Sao Paulo. Shrub to 2.5 meters high; leaves purplish; flowers pinkish red.

248115. *LIPPIA CITRIODORA* H. B. K. Verbenaceae.

Col. No. 19074. Instituto Agronomico, Campinas, Sao Paulo. Low bushy herb.

248116. *MARANTA ARUNDINACEA* L. Marantaceae. Bermuda arrowroot.

Col. No. 19066. Instituto Agronomico, Campinas, Sao Paulo.

248117. *MARCGRAVIA* sp. Marcgraviaceae.

Col. No. 19071. Instituto Agronomico, Campinas, Sao Paulo. Shrub 1 meter high.

248118. *MONSTERA DELICIOSA* Liebm. Araceae.

Ceriman.

Col. No. 19054. Sao Paulo.

248119. *OPLISMENUS HIRTELLUS* (L.) Beauv. Poaceae.

Col. No. 19078. Instituto Agronomico, Campinas, Sao Paulo.

248120. *PEPEROMIA OBOVATA* DC. Piperaceae.

Col. No. 19080. Instituto Agronomico, Campinas, Sao Paulo. Leaves pale-green, edges white.

248121. PEPEROMIA sp. Piperaceae.

Col. No. 19081. Instituto Agronomico, Campinas, Sao Paulo. Plant prostrate.

248122. PHALARIS ARUNDINACEA var. PICTA L. Poaceae.

Col. No. 19077. Instituto Agronomico, Campinas, Sao Paulo.

248123 to 248127. Sao Paulo.**248123. PHILODENDRON LACINIOSUM Schott Araceae**

Col. No. 19053.

248124. PHILODENDRON sp.

Col. No. 19055.

248125. PHILODENDRON sp.

Col. No. 19056.

248126. PHILODENDRON sp.

Col. No. 19058.

248127. PHILODENDRON sp.

Col. No. 19060.

248128. PHILODENDRON sp.

Col. No. 19087. Ilhabela, Sao Paulo.

248129. POLYPODIUM sp. Polypodiaceae.

Col. No. 18902. Elevation 500 meters. Common on rocks and trees; fronds to 18 dm. long.

248130. SANSEVIERIA sp. Liliaceae.

Col. No. 18991. Porto Alegre, Rio Grande do Sul. Elevation 5 meters. Plant low; leaves with light gray crossbands.

248131. SCINDAPSUS AUREUS Engl. Araceae.

Col. No. 19023. Corupa, Santa Catharina. Elevation 65 meters. Plant to 1 meter high.

248132. SOLANUM VIOLAEFOLIUM Schott Solanaceae.

Col. No. 19082. Instituto Agronomico, Campinas, Sao Paulo. Straggly plant; flowers white.

248133. SOLANUM sp.

Col. No. 19089. Sao Paulo. Subshrub.

248134. STIFFTIA CHRYSANTHA Mikan Asteraceae.

Col. No. 19079. Instituto Agronomico, Campinas, Sao Paulo. Shrub to 2.5 meters high; flowers pale yellowish in 'Puff Balls'.

248135. STROMANTHE SANGUINEA Sond. Marantaceae.

Col. No. 19065. Instituto Agronomico, Campinas, Sao Paulo.

248136. TIBOUCHINA MUTABILIS Cogn. Melastomataceae.

Col. No. 19088. Chacara Jacob, Sao Paulo. Shrub to 1.5 meters high; petals deep purple with white center.

248137. WEDELIA sp. Asteraceae.

Col. No. 19069. Instituto Agronomico, Campinas, Sao Paulo. Shrub to 25 cm. high; flowers small, yellow.

248138. XANTHOSOMA sp. Araceae.

Col. No. 19067. 'Purple Tairho'. Instituto Agronomico, Campinas, Sao Paulo.

248139. (Undetermined.) *Phoenicaceae*.

Col. No. 19061. Sao Paulo. A small decorative palm cultivated in gardens around Sao Paulo.

248140. *ANTHURIUM HARRISH* (Graham) Endl. *Araceae*.

Col. No. 19101. Sao Paulo. Leaves to 45 cm. long, dark green.

248141. *ERYTHRINA RETICULATA* Presl. *Fabaceae*.

Col. No. 18710. (No field note.)

248142. *EUGENIA CARYOPHYLLATA* Thumb. *Myrtaceae*.

Clove.

Col. No. 19044. Sao Paulo. Small to medium sized tree.

248143. (Undetermined.)

Col. No. 18969. (No field note.)

248144. (Undetermined.)

Col. No. 18978. (No field note.)

248145. (Undetermined.)

(No field number.)

248146 to 248150.

From Germany. Plants presented by Herm. A. Hesse, Baumschulen, Weener. Received May 21, 1958.

248146. *AESCULUS NEGLECTA* Lindl. *Aesculaceae*.

Buckeye.

248147. *AESCULUS PAVIA* L.

Buckeye.

'Atrosanguinea'.

248148 to 248150. *FAGUS SYLVATICA* L. *Fagaceae*.

European beech.

248148. 'Cristata'.

248149. 'Heterophylla'.

248150. 'Purpurea Major'.

248151. *SOLANUM* (hybrid). *Solanaceae*.

From Pakistan. Tubers presented by the Punjab Agricultural College. Lyallpur. Received May 21, 1958.

'USA 5'. Spring crops.

248152. *HYPERICUM LANCEOLATUM* Lam. *Hypericaceae*.

St.-Johns-wort.

From Kenya. Seeds presented by the Forest Department, Nairobi. Received May 21, 1958.

248153. *DIOSCOREA* sp. *Dioscoreaceae*.

From Nicaragua. Tubers collected by E. P. Imle, collaborator, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received May 14, 1958.

Col. No. 91. 'El Recreo'. Tubers white fleshed.

248154 to 248160.

From Formosa. Seeds presented by B. O. Mulligan, Washington Arboretum, Seattle, Washington. Received May 21, 1958.

248154. *ALNUS FORMOSANA* (Burk.) Mak. *Betulaceae*.

Alder.

248155. *CHAMAECYPARIS FORMOSANA* Mats. *Pinaceae*.

Falsecypress.

248156. *CHAMAECYPARIS* sp.

248157. *CUNNINGHAMIA KONISHII* Hayata *Pinaceae*.

248158. *LIBOCEDRUS FORMOSANA* Flor. Pinaceae.

248159. *PAULOWNIA FORTUNEI* (Seem.) Hemsl. Scrophulariaceae.

248160. *TSUGA CHINENSIS* (Franch.) Pritz. Pinaceae. Chinese hemlock.

248161 and 248162. *TEPHROSIA VOGELII* Hook. f. Fabaceae.

From Puerto Rico and the United States. Seeds presented by an unknown donor and held at the U.S. Plant Introduction Station, Glenn Dale, Maryland. Numbered May 21, 1958.

248161. B-49993. Grown at Torrey Pines, California.

248162. B-49994. Mayaguez, Puerto Rico.

248163 to 248168. *ORYZA SATIVA* L. Poaceae.

Rice.

From Italy. Seeds presented by the Food and Agriculture Organization of the United Nations, Rome. Received May 21, 1958.

Former sources indicated.

248163. 'Chianan 8'.

248164. 'Chia-nung-yu'. Taiwan.

248165. 'Gendjah Banten'. Indonesia.

248166. 'Pebifum'. Malaya.

248167. B.M. 5. Malaya.

248168. No. 640. Italy.

248169. *CAPSICUM FRUTESCENS* L. Solanaceae.

Redpepper.

From the United States. Plants growing at the U.S. Plant Introduction Station, Glenn Dale, Maryland. Numbered May 21, 1958.

Received from the Plant Industry Station, Beltsville, in 1957; previous history unknown. Fruits conical-pointed, about 3 inches long and 1.5 inches in diameter at top; skin red at maturity, flesh medium thick and very mild; one of the mildest varieties.

248170. *PEPEROMIA* sp. Piperaceae.

From Brazil. Plants collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 22, 1958.

Col. No. 18856. Rain forest, Corupa, Santa Catharina. Elevation 500 meters. Slender epiphyte; leaves thick.

248171. *NEOGLAZIOVIA VARIEGATA* (Arruda) Mez Bromeliaceae.

From Brazil. Cuttings presented by the United States Embassy, Rio de Janeiro. Received May 22, 1958.

248172. *FICUS INFECTORIA* Roxb. Moraceae.

Fig.

From Japan. Seeds presented by the Forest Experiment Station, Kyoto University, Kyoto. Received May 22, 1958.

Collected at Murotozaki, Kochi, Shikoku, 1957.

248173. *LUPINUS ALBUS* L. Fabaceae.

White lupine.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas, Sao Paulo. Received May 22, 1958.

I 22.637.

248174 to 248227.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 23, 1958.

248174. *ASPARAGUS* sp. Convallariaceae.

Col. No. 21361. Forty-five to 60 km. south of Bukavu, in the Ruizizi Valley. Elevation 1,000 meters. Plant spiny, to 2 meters high.

258175. *ASPARAGUS* sp.

Col. No. 21415. Savanna 20 km. east of Kigali, Ruanda Urundi. Elevation 1,500 meters. Plant spiny, to 5 meters high.

248176. *CISSUS* sp. Vitaceae.

Col. No. 21444. Twenty km. northwest of Elizabethville. Plant 70 cm. high with coarse red hairs; fruits red.

248177. *CISSUS* sp.

Col. No. 21445. Scrub forest area, near airport, 10 km. north of Elizabethville. Elevation 1,400 meters. Vine; fruits red.

248178. *CITRULLUS* sp. Cucurbitaceae.

Col. No. 21099. 'Mangara'. Vine; flowers yellow; fruits 12-15 cm. in diameter; seeds used as food.

248179. *CITRULLUS* sp.

Col. No. 21437. 'Ndanga'. Eighty km. from Astrida, Ruanda Urundi. Fruit globular, 5 to 7 cm. in diameter, greenish or yellow mottled.

248180. *IPOMOEA* sp. Convolvulaceae.

Col. No. 21346A. Three km. north of Bukavu.

248181. *PISUM SATIVUM* L. Fabaceae. Garden pea.

Col. No. 23171. African market near Bugarama, Ruanda Urundi. Elevation 2,100 meters.

248182. *ADENOCARPUS MANNII* Hook. f. Fabaceae.

Col. No. 21214. Nioka Station, INEAC, Nioka.

248183. *CLEOME* sp. Capparidaceae.

Col. No. 21409. Seven km. east of Kigali, Ruanda Urundi. Elevation 1,500 meters. Plant branched, to 1 meter high; flowers lavender.

248184. *DRACAENA* sp. Liliaceae.

Col. No. 21435. Forty km. northeast of Kegali, Ruanda Urundi. Elevation 2,000 meters. Plant to 15 meters high.

248185. *HIBISCUS* sp. Malvaceae.

Col. No. 21245. Ten km. north of Kayna, Nord du Kivu Province. Shrub to 2 meters high.

248186. *LEFEBVREA* sp. Apiaceae.

Col. No. 21139. Savanna, 30 km. north of Aba. Seeds fragrant.

248187. *LOTONONIS BAINESII* Baker Fabaceae.

Col. No. 21230. Nioka Station, INEAC, Nioka.

248188. *PECTIS* sp. Asteraceae.

Col. No. 21250. 'Casindiaua'. Twenty km. south of Nioka, near Fataki. Elevation 1,200 meters. Plant to 2 meters high; oil glands on bracts and leaves.

248189. *RUMEX* sp. Polygonaceae.

Col. No. 21325. Thirty km. south of Rutshuru. Vine; bracts red, attractive.

248190. *TEPHROSIA HECKMANNIANA* Harms Fabaceae.

Col. No. 21305. Savanna 5 km. north of Rutshuru. Plant to 2 meters high.

248191. *TEPHROSIA NOCTIFLORA* Bojer.

Col. No. 21083. Bambesa Station, INEAC. Plant to 60 cm. high. Withstands dry season.

248192 and 248193. *TEPHROSIA PANICULTA* Welw.

248192. Col. No. 21222. Nioka Station, INEAC.

248193. Col. No. 21277. Near Butembo. Shrub to 1 meter high.

248194 to 248213. *TEPHROSIA VOGELII* Hook. f.

248194. Col. No. 21086. 'Nbale in Babua'. Bambesa. Plant to 1 meter high; leaves used to stupefy fish.

248195. Col. No. 21123. 'Camba'. Edge of native clearing, 37 km. west of Faradje. Plant to 2 meters high. Used to poison fish.

248196. Col. No. 21151. 'Luria'. Near Kitambala, about 60 km. south, southwest of Aba. Shrub to 2 meters high. Used to poison fish.

248197. Col. No. 21163. Native planting on Nioka Station, INEAC. Shrub to 3 meters high. Used to poison fish.

248198. Col. No. 21236. Five km. south of Kayna, Nord du Kivu Province. Elevation 1,750 meters.

248199. Col. No. 21238. About 10 km. south of Kayna, Nord du Kivu Province. Elevation 1,700 meters.

248200. Col. No. 21239. Entrance to Albert National Park, along escarpment to Rift Valley, above Lake Edward. Elevation 1,500 meters.

248201. Col. No. 21255. Five km. south of Beni. Plant to 2 meters high; flowers purple.

248202. Col. No. 21257. 'Charra'. Ten km. south of Irumu.

248203. Col. No. 21259. Forty km. south of Beni. Elevation 900 meters. Flowers white.

248204. Col. No. 21260. Pygmy village near Mt. Hoyo, south of Irumu. Plant to 2 meters high.

248205. Col. No. 21261. Pygmy village 95 km. north of Beni.

248206. Col. No. 21262. Pygmy village 80 km. north of Beni. Elevation 750 meters.

248207. Col. No. 21263. Planting in forest 35 km. north of Beni.

248208. Col. No. 21279. Above Butembo. Elevation 1,800 meters.

248209. Col. No. 21280. Above Butembo. Elevation 1,800 meters.

248210. Col. No. 21283. Garden 5 km. south of Beni. Elevation 1,200 meters.

248211. Col. No. 21288. Dry hills, edge of forest, Kayna. Elevation 1,950 meters.

248212. Col. No. 21289. Dry hills, Kayna. Elevation 1,800 meters.

248213. Col. No. 21290. Dry hills, Kayna, to edge of forest.

248214. *TEPHROSIA* sp.

Col. No. 21129. Dry savanna 10 km. west of Faradje. Plant 25 cm. high.

248215. *TEPHROSIA* sp.

Col. No. 21233. Hills near Kayna, nord du Kivu Province. Plant 1 meter high.

248216. *TEPHROSIA* sp.

Col. No. 21234. Dry grassy hills near Kayna, Nord du Kivu Province. Plant 25 to 75 cm. high. Similar to *T. vogelii* but plant and seeds smaller; pods shorter.

248217. *TEPHROSIA* sp.

Col. No. 21269. Savanna area 25 km. east of Beni. Elevation 900 meters.

248218 and 248219. *TEPHROSIA PANICULATA* Welw.

248218. Col. No. 21276. Hills near Butembo, south of Beni. Elevation 1,700 meters.

248219. Col. No. 21292. Dry hills above Kayna. Elevation 1,950 meters.

248220. *TEPHROSIA AEQUILATA* Baker

Col. No. 21293. Hills 5-10 km. north of Kayna. Elevation 1,600 meters. Plant to 75 cm. high.

248221. *TEPHROSIA PANICULATA* Welw.

Col. No. 21295. Dry hills near Kayna. Elevation 1,600 meters.

248222. *RHYNCHOSIA HOCKII* DeWild. Fabaceae.

Col. No. 21304. Five km. north of Rutshuru. Vine; leaves 3-foliate.

248223. *TEPHROSIA MILBRAEDII* Harms Fabaceae.

Col. No. 21312. Lava fields 50 km. south of Rutshuru. Elevation 1,650 meters.

248224. *TEPHROSIA HECKMANNIANA* Harms.

Col. No. 21324. Three km. south of Rutshuru. Shrub to 2 meters high.

248225. *THALICTRUM* sp. Ranunculaceae.

Col. No. 21309. Lava fields 30 km. south of Rutshuru. Elevation 1,700 meters.

248226. *THEVETIA* sp. Apocynaceae.

Col. No. 21095. Roadside in savanna area 10 km. north of Dungu. Shrub to 3 meters high; flowers yellow.

248227. *URENA LOBATA* L. Malvaceae.

Col. No. 21256. Ten km. southeast of Bunia. Shrub to one meter high.

248228. *TEPHROSIA VOGELII* Hook. f. Fabaceae.

From Liberia. Seeds obtained by Marvin Klemme, Bessie, Oklahoma. Collected April, 1958, and received May 26, 1958.

From the Woerlla Nursery, 60 miles east of Monrovia. Rainfall 120 inches. Leaves used by native to poison fish.

248229 and 248230.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer and E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 26, 1958.

248229. *TRIXIS RADIALIS* (L.) Lag. Asteraceae.

Col. No. 16416. Six to 7 km. north of Villa Flores, Chiapas; arkosic savanna. Virgate bush to 1.5 meters high; crown thin, spreading.

248230. *VERBESINA* sp. Asteraceae.

Col. No. 16415. Villa Flores, Chiapas. Single-stemmed herb to three meters high.

248231 to 248251. *SORGHUM BICOLOR* (L.) Moench Poaceae.

From Ethiopia. Seeds presented by the Imperial Ethiopian College of Agricultural and Mechanical Arts, Dire Dawa. Received May 23, 1958.

248231. No. 1. Glumes glossy, mahogany, caryopsis grayish-pink.

248232. No. 2. Caryopsis grayish-pink.

248233. No. 3. Caryopsis dull red.

248234. No. 4. Caryopsis chalk-white.

248235. No. 5. Glumes light reddish.

248236. No. 6. Glumes white with pinkish tinge.

248237. No. 7. Glumes straw colored.

248238. No. 8. Glumes glossy, mahogany; caryopsis pinkish.

248239. No. 9. Glumes glossy, mahogany; caryopsis light violet.

- 248240. No. 10. *Caryopsis* pinkish.
- 248241. No. 11. Glumes glossy, dark mahogany.
- 248242. No. 12. *Caryopsis* dull straw color.
- 248243. No. 13. Glumes dull mahogany.
- 248244. No. 14. *Caryopsis* smooth, white.
- 248245. No. 15. *Caryopsis* pinkish.
- 248246. No. 16. *Caryopsis* 0.5 x 0.5 mm.
- 248247. No. 17. Glumes and *caryopsis* light colored.
- 248248. No. 18. Glumes light colored, pubescent.
- 248249. No. 19. *Caryopsis* light yellow, large.
- 248250. No. 20. Glumes straw colored; *caryopsis* white.
- 248251. No. 21. *Caryopsis* glossy, light mahogany.

248252 to 248260.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Organization, Canberra. Received May 27, 1958.

248252 and 248253. *GLYCINE CLANDESTINA* Wendl. Fabaceae.

248252. No. 1. Steep mountain country, Blue Range and Coree, Australian Commonwealth Territory. Snow-covered in winter; rainfall 40 inches, distributed throughout the year, maximum temperature 95 degrees. Elevation 4,500 feet.

248253. No. 2. Bungonia Park Lookdown, New South Wales; sheltered rocky slopes 2,000 feet elevation. Annual rainfall 25 inches distributed throughout year; heavy winter frost.

248254. *HIEROCHLOE REDOLENS* R. Br. Poaceae.

C. 1026. Mount Ginini and Mount Gingera, Australian Commonwealth Territory. Elevation 4,500 feet. Sphagnum swamps in Silurian sandstone-quartzite ranges. Black, peaty soil, snow covered in winter. Annual rainfall to 60 inches.

248255 to 248260. *THEMEDA AUSTRALIS* (R. Br.) Stapf Poaceae. Redgrass.

248255. No. 893. Between Binalong and Browning, New South Wales. Diploid.

248256. No. 894. Between Yass, New South Wales and Canberra. Diploid.

248257. No. 1056. Hastings, Mornington Peninsula, Victoria. Diploid.

248258. No. 1075. Between Warialda and Gravesend, New South Wales, Tetraploid.

248259. No. 1110. Macarthur, western district of Victoria. Diploid.

248260. North of Albany, Western Australia. Tetraploid.

248261. *STIZOLOBIUM HASSJOO* Piper & Tracy Fabaceae.

Yokohama velvetbean.

From Japan. Seeds presented by the Shikoku Agricultural Experiment Station, Zentsuji, Kagawa, Shikoku. Received May 27, 1958.

248262 to 248341. *SORGHUM BICOLOR* (L.) Moench Poaceae.

From India. Seeds presented by the Rockefeller Foundation, Indian Agricultural Program, New Delhi. Received May 27, 1958.

248262. No. 1052. Coimbatore, Madras.

248263. No. 1053. Coimbatore, Madras.

248264. No. 1054. Poona, Bombay.

248265. No. 1055. Jowar. B.P.53.

248266. No. 1056. Jowar. C-10-2.

248267. No. 1057. Jowar. 'Barri—3-8-2'.
248268. No. 1058. Jowar. Wai 3-6-2.
248269. No. 1059. Jowar. B.D. 8.
248270. No. 1060. Jowar. 'Sundhia—1049'.
248271. No. 1061. Jowar. No. 3-38.
248272. No. 1062. Jowar. No. 28-14.
258273. No. 1063. Rabi Jowar. No. 8.
248274. No. 1064. Karad (N. Satara), Bombay. G. 10-7.
248275. No. 1065. 'JI Ramkhed'.
248276. No. 1066. 'Indire—3'.
248277. No. 1068. 'Bha Hineri'.
248278. No. 1069. 'Khandi'.
248279. No. 1070. 'Mamdayapura'.
248280. No. 1071. 'Kanpur'.
248281. No. 1072. 'Alleshasuare Banglase'.
248282. No. 1073. 'Rah Atharri'.
248283. No. 1074. 'Amahner'.
248284. No. 1075. 'Changdu'.
248285. No. 1076. 'White Long Celumid'.
248286. No. 1077. 'Long Earhead'.
248287. No. 1078. Isakri Malari'.
248288. No. 1079. 'Mandi—1-2'.
248289. No. 1080. 'Koregoon—2-2-2-'.
248290. No. 1081. 'Wai 3-6-2'.
248291. No. 1082. 'Barah 3-8-1'.
248292. No. 1083. 'Karad 7-12-3'.
248293. No. 1084. A-5.
248294. No. 1085. J-27.
248295. No. 1086. J-28.
248296. No. 1087. J-31.
248297. No. 1088. 'Kawanda'.
248298. No. 1089. M-N-4.
248299. No. 1090. S.A.-2.
248300. No. 1091. T-15.
248301. No. 1092. T-16.
248302. No. 1093. 'Tawar-6'.
248303. No. 1094. 'Bail Hongal 25-1-2'.
248304. No. 1095. 'Bail Hongal 4-1-4'.
248305. No. 1096. 'Yenigar-2'.
248306. No. 1097. 'Yenigar-560-1-1'.
248307. No. 1098. 'Malawn'. Shahabad, Bihar.
248308. No. 1112. 'Niluea'. Vadgaon, Bombay.
248309. No. 1113. 'Baligoon'.
248310. No. 1114. 'Sheasager'.
248311. No. 1115. 'Saraiya'.

248312. No. 1116. 'Nan Ha Ha'.
 248313. No. 1117. 'Satsemasi'.
 248314. No. 1118. 'Urda Chenari'. Shahabad, Bihar.
 248315. No. 1119. 'Dog 36'. Ahmednagar, Bihar.
 248316. No. 1120. 'Shenali-4-5'. Karad (N. Stara) Bombay.
 248317. No. 1121. 'Karad-2-7-11'.
 248318. No. 1122. 'Karad Local'.
 248319. No. 1123. 'Kanke No. 1'. Kanke (Rachi) Bihar.
 248320. No. 1124. 'Kanke No. 2'.
 248321. No. 1125. A.10. Bhagalpur, Bihar.
 248322. No. 1126. A-32.
 248323. No. 1127. A-35.
 248324. No. 1128. A-38.
 248325. No. 1129. 53-165-1.
 248326. No. 1130. 53-145-1.
 248327. No. 1131. 53-1-9-1.
 248328 to 248339. Nandyal, Andhra-Pradesh.
 248328. No. 1132. N-1. 248334. No. 1138. N-7.
 248329. No. 1133. N-2. 248335. No. 1139. N-8.
 248330. No. 1134. N-3. 248336. No. 1140. N-9.
 248331. No. 1135. N-4. 248337. No. 1141. N-10.
 248332. No. 1136. N-5. 248338. No. 1142. N-11.
 248333. No. 1137. N-6. 248339. No. 1143. N-12.

248340. No. 1144. 'Jonna—A.K.F.-1'. Vijayangaran.

248341. No. 1145. 'Jonna—A.K.F.-2'. Vijayangaran.

248342. ADIANTUM TRAPEZIFORME L. Polypodiaceae. Fern.

From the United States. Plants presented by the Sub-Tropical Experiment Station, Homestead, Florida. Received May 27, 1958.

Formerly from Brazil.

248343 to 248394.

From India. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 27, 1958.

248343 to 248354. CARTHAMUS OXYACANTHA Bieb. Asteraceae.

Northwest of Punjab Electric Station, Bohtak Road, northwest of New Delhi. April 23, 1958.

- | | |
|-------------------------|-------------------------|
| 248343. Col. No. K 262. | 248349. Col. No. K 268. |
| 248344. Col. No. K 263. | 248350. Col. No. K 269. |
| 248345. Col. No. K 264. | 248351. Col. No. K 270. |
| 248346. Col. No. K 265. | 248352. Col. No. K 271. |
| 248347. Col. No. K 266. | 248353. Col. No. K 272. |
| 248348. Col. No. K 267. | 248354. Col. No. K 273. |

248355 to 248389. CARTHAMUS TINCTORIUS L.

Safflower.

248355 to 248384. Botanical Substation (IARI), Pusa.

248355. Col. No. K1. 'Kusum'. NP 2.

248356. Col. No. K2. NP 1.

248357. Col. No. K3. NP 3.
248358. Col. No. K4. NP 5.
248359. Col. No. K5. NP 6.
248360. Col. No. K6. NP 7.
248361. Col. No. K7. NP 11.
248362. Col. No. K8. NP 13.
248363. Col. No. K9. NP 14.
248364. Col. No. K10. NP 16.
248365. Col. No. K11. NP 18.
248366. Col. No. K12. NP 19.
248367. Col. No. K13. NP 21.
248368. Col. No. K14. NP 22.
248369. Col. No. K15. NP 23.
248370. Col. No. K16. NP 24.
248371. Col. No. K17. NP 25.
248372. Col. No. K18. NP 27.
248373. Col. No. K19. NP 28.
248374. Col. No. K20. NP 29.
248375. Col. No. K21. NP 30. Most important variety in Bihar.
248376. Col. No. K22. NP 32.
248377. Col. No. K23. NP 33.
248378. Col. No. K24. NP 34.
248379. Col. No. K25. NP 31.
248380. Col. No. K26. NP 4.
248381. Col. No. K27. NP 10.
248382. Col. No. K28. NP 17.
248383. Col. No. K29. NP 26.
248384. Col. No. K30. NP hybrid. NPI $\times$ NP 30.
248385. Col. No. K34. Village of Srirampur, about 1 mile south of Pusa Station. Used as green vegetable in early stages, and for edible oil from seeds. Oil also is a skin lubricant.
248386. Col. No. K35. 'Kusum'. Srirampur, about 1 mile south of Pusa Station. Plants spiny.
248387. Col. No. K36. 'Kusum'. Village of Maidapur, 1.5 miles south of Pusa Station. Plants spineless; flowers red or orange.
248388. Col. No. K38. 'Kusum'. Village of Maidapur, 1.5 miles south of Pusa Station. Plants spineless; flowers red.
248389. Col. K41. Saidpur, across river from Pusa Station. Plant spiny; flowers orange.
- 248390 to 248394. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
248390. Col. No. K31. Village of Srirampur, about 1 mile south of Pusa Station.
248391. Col. No. K32. Village of Srirampur, about 1 mile south of Pusa Station. Smaller plants than P.I. 248390.
248392. Col. No. K33. Village of Srirampur.
248393. Col. No. K37. Village of Maidapur, 1.5 miles south of Pusa Station.
248394. Col. No. K40. Village of Saidpur, across river from Pusa Station.

248395 to 248410. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Yugoslavia. Seeds presented by the Institute for Agricultural Research, Novisad. Received May 27, 1958.

From Vayvodina, northern part of Yugoslavia, unless otherwise noted.

248395. 'Bijeljina'.

248396. 'Bogatic'.

248397. 'Dobrudza No. 14'.

248398. 'Illinois 301'. Originally from Urbana.

248399. 'Italian Early'.

248400. 'Kragujevac No. 4'.

248401. 'Krizeveacka No. 3'.

248402. 'Manhattan'. Originally from Urbana.

248403. 'Mautner'.

248404. 'Novosadska Bela'; 'Novosadska White'.

248405. 'Novosadska Rana'; 'Novosadska Early'.

248406. 'Osijecka'.

248407. From Stremeska Mitrovica.

248408. From Stara Pazova.

248409. 'Subotica'.

248410. 'Turkish'.

248411 and 248412. FAGOPYRUM ESCULENTUM Moench Polygonaceae. Buckwheat.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures; Pretoria, Transvaal. Received May 27, 1958.

The only varieties grown in the Union of South Africa.

248411. CP 58/203. Gunson Seeds, Johannesburg.

248412. CP 58/204. Highveld Region, Potchefstroom.

248413 and 248414.

From Morocco. Seeds presented by the Institut des Fruits et Agrumes Coloniaux, Rabat. Received May 27, 1958.

248413. CITRUS AURANTIFOLIA (Christm.) Swingle Rutaceae. Lime.

'Mauritius'. Mexican-like lime.

248414. CITRUS (hybrid).

'Zanzibar Lemon'. For rootstock studies related to the control of *Tristeza*.

248415 to 248475.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 29, 1958.

248415 to 248441. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

248415. Col. No. 21379. One km. north of Astrida, Ruanda-Urundi.

248416 to 248439. Rubona Station, INEAC, Rubona, Ruanda-Urundi.

248416. Col. No. 21381. 'Amagarika'.

248417. Col. No. 21382. 'Kigondo'.

248418. Col. No. 21383. 'Amabona'.

248419. Col. No. 21384. 'Kijamango'.

248420. Col. No. 21385. 'Amabyiga B'.

248421. Col. No. 21386. 'Nakihakari'.
 248422. Col. No. 21387. 'Nakamonga'.
 248423. Col. No. 21388. 'Ibibonobono'.
 248424. Col. No. 21389. 'Igihunda'.
 248425. Col. No. 21390. 'Nakibimba'.
 248426. Col. No. 21391. 'Naburengeti'.
 248427. Col. No. 21392. 'Amaliza'.
 248428. Col. No. 21393. 'Bushago'.
 248429. Col. No. 21394. 'Kizungu'.
 248430. Col. No. 21395. 'Nakareba'.
 248431. Col. No. 21396. 'Urukamba'.
 248432. Col. No. 21397. 'Bonakazi'.
 248433. Col. No. 21398. 'Naruvuzo'.
 248434. Col. No. 21399. 'Bushara'.
 248435. Col. No. 21400. 'Urubanda'.
 248436. Col. No. 21401. 'Gashago'.
 248437. Col. No. 21402. 'Ikigondo'.
 248438. Col. No. 21403. 'Karunga'.
 248439. Col. No. 21404. 'Inshoga A'.
 248440. Col. No. 21410. Ten km. west of Kigali, Ruanda-Urundi.
 248441. Col. No. 21452. Twenty-five km. northeast of Elizabethville.
 248442. *HIBISCUS ABELMOSCHUS* L. Malvaceae.
 Col. No. 21620. Near Kisautu. Perennial to 4 meters high.
 248443. *BRACHIARIA* sp. Poaceae.
 Col. No. 21359. Forty-five km. south of Bukavu, in Rizizi Valley. Elevation Urundi. Elevation 1,500 meters.
 248444. *CASSIA DIDYMOBOTRYA* Fres. Caesalpiniaceae. **Senna.**
 Col. No. 21407. Open slopes 5 km. east of Kigali, Ruanda-Urundi. Elevation 1,500 meters. Shrub to 6 meters high; flowers yellow.
 248445. *CASSIA* sp.
 Col. No. 21359. Forty-five km. south of Bukavu, in Rizizi Valley. Elevation 1,000 meters. Plants 1 meter high.
 248446. *CASSIA* sp.
 Col. No. 21452-A. Gravel pit, 25 km. northeast of Elizabethville.
 248447. *CAREX* sp. Cyperaceae.
 Col. No. 21431. Eighty km. west of Astrida, Ruanda-Urundi.
 248448. *CERATOTHECA* sp. Pedaliaceae.
 Col. No. 21618. Eighty km. from Leopoldville on Kisantu road. Low branched annual; flowers nearly white, 1.5 cm. long.
 248449. *CROTALARIA* sp. Fabaceae.
 Col. No. 21343. Five km. north of Bukavu. Seventy cm. high.
 248450. *CROTALARIA MUCRONATA* Desv. **Striped crotalaria.**
 Col. No. 21345. Grassy slopes 3 km. north of Bukavu. Elevation 1,500 meters.
 248451. *CROTALARIA* sp.
 Col. No. 21346. Five km. north of Bukavu. Elevation 1,625 meters. Perennial to 2 meters high.

248452. *CROTALARIA* sp.

Col. No. 21355. Forty-five km. south of Bukavu, Rizizi Valley. Elevation 1,000 meters. Annual; leaves narrow.

248453. *CROTALARIA* sp.

Col. No. 21362. Forty-five km. south of Bukavu, Ruzizi Valley. Branching annual.

248454. *CROTALARIA* sp.

Col. No. 21364. Moist meadows near Usambura, Ruanda-Urundi. Elevation 850 meters. Annual to 1 meter high; flowers yellow.

248455. *CROTALARIA OCHROLEUCA* G. Don

Col. No. 21366. Five km. from Usambura, Ruanda-Urundi. Elevation 1,200 meters. Annual; flowers pale green, purple striated.

248456. *CROTALARIA* sp.

Col. No. 21408. Savanna, five km. east of Kigali, Ruanda-Urundi. Elevation 1,500 meters. Annual to 5 dm. high.

248457. *CROTALARIA* sp.

Col. No. 21413. Ten km. west of Kigali, Ruanda-Urundi. Elevation 1,350 meters. Annual 1 meter high.

248458. *CROTALARIA* sp.

Col. No. 21416. Savanna, 20 km. south of Gabiro, Ruanda-Urundi. Elevation 1,500 meters. Annual to 1 meter high.

248459. *CROTALARIA* sp.

Col. No. 21419. Savanna 20 km. south of Babi, Ruanda-Urundi. Elevation 1,500 meters. Plant to 80 cm. high; leaves narrow segmented.

248460. *CROTALARIA* sp.

Col. No. 21438. Forest area 80 km. west of Astrida, Ruanda-Urundi. Elevation 2,400 meters. Flowers yellow, in full spikes.

248461. *CROTALARIA* sp.

Col. No. 21442. Along Airport road 10 km. north of Elizabethville. Plant bushy; leaves small; fruits abundant.

248462. *DESMODIUM TORTUOSUM* (Sw.) DC. Fabaceae.

Col. No. 21360. Grass plains 45 km. south of Bukavu, Rizizi Valley. Elevation 960 meters. Annual.

248463. *DESMODIUM* sp.

Col. No. 21376. Twenty km. west of Astrida, Ruanda-Urundi. Elevation 1,800 meters. Woody perennial.

248464. *ERIOSEMA PSORALIODES* var. *GRANDIFLORUM* Staner & DeCraene Fabaceae.

Col. No. 21357. In disturbed soil and grassy hills 20 km. south of Bukavu. Plant to 2 meters high; flowers yellow.

248465. *GLYCINE JAVANICA* L. Fabaceae.

Col. No. 21411. Five km. east of Kigali, Ruanda-Urundi. Elevation 1,500 meters.

248466. *HIBISCUS* sp. Malvaceae.

Col. No. 21424. Savanna near Bibale, Ruanda-Urundi. Elevation 1,400 meters. Shrub to 1 meter high; flowers red.

248467. *INDIGOFEA HIRSUTA* L. Fabaceae.

Hairy indigo.

Col. No. 21350. Ruzizi plain 100 km. south of Bukavu. Elevation 960 meters.

248468. *INDIGOFERA SUAVEOLENS* Juab. & Spach.

Col. No. 21351. Ruzizi Valley, 100 km. south of Bukavu. Elevation 960 meters. Annual.

248469. *INDIGOFERA* sp.

Col. No. 21450. Gravel pit, scrub forest area, 25 km. northeast of Elizabethville. Elevation 1,200 meters. Shrub to 1 meter high.

248470. *INDIGOFERA* sp.

Col. No. 21456. Disturbed roadside soil about 25 km. southeast of Elizabethville. Shrub to 2 meters high.

248471. *LUPINUS* sp. Fabaceae.

Col. No. 21429. Twenty km. east of Shangugu, Ruanda-Urundi. Elevation 1,800 meters. Annual or biennial; flowers blue with white and yellow marks.

248472. *SESAMUM RADIATUM* Schum. Pedaliaceae.

Col. No. 21619. Eighty km. from Leopoldville, road to Kiantu. Plant to 1 meter high; flowers large, purple.

248473. *SESAMUM* sp.

Col. No. 21617. Seventy km. southwest of Leopoldville. Annual with narrow leaves. Elevation 500 meters.

248474. *VIGNA LEBRUNII* Baker f. Fabaceae.

Col. No. 21310. Lava field 50 km. south of Rutshuru. Vine; flowers yellow.

248475. *VIGNA* sp.

Col. No. 21455. Scrub forest about 25 km. southeast of Elizabethville. Elevation 1,200 meters. Vine; leaves 3-foliate.

248476 to 248482.

From Portugal. Scions collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 2, 1958.

248476 to 248478. *CERATONIA SILIQUA* L. Caesalpiniaceae.

Carob.

248476. Col. No. 16905. Near Tavira. Very vigorous and leafy 20-year-old tree from seed; fruits well; pods of fair size, sweet.

248477. Col. No. 16904. 'Canela'. Near Tavira. A standard variety, said to yield regularly; pods light, more slender and sweeter than 'Malata'.

248478. Col. No. 16903. 'Malata'. Tavira, near Seasonal Agricultural Demonstration Station. Large, gnarled old trees, pistillate only, with large fleshy pods, some borne on trunk. Pod size uneven. One of the grafted varieties with dark brown pods when ripe.

248479. *CITRUS* (hybrid). Rutaceae.

Col. No. 16906. 'Don Juan Orange'. Posto Agrario, Tavira. Midseason orange. Fruits ripen in May, structure and flavor very good; seeds few. A recent variety in Portugal.

248480 to 248482. *PRUNUS AMYGDALUS* Batsch. Amygdalaceae.

Almond.

From Posto Agrario, Tavira.

248480. Col. No. 16908. 'Barrinho Miudo'. Regular producer; nuts hard, small, not very sweet.

248481. Col. No. 16909. 'Bonita de San Braz'. Nuts hard, small, sweet.

248482. Col. No. 16907. 'Duro Amarelo'. Nuts hard, small, sweet. Produces regularly; flowers in January and February.

248483 to 248489. *ORYZA SATIVA* L. Poaceae.

Rice.

From China. Seeds presented by the Taiwan Agricultural Research Institute, Taipei, Taiwan. Received June 2, 1958.

Genetic stocks.

248483. 'Chia Lung Uy 242'.
 248484. 'Fee La Fon'.
 248485. 'Taichung Hung-Shou-Guo Zee'.
 248486. 'Taichung Mon-Hwa-Shu'.
 248487. 'Taipei Liu-Tuo Zee'.
 248488. 'Taipei Shwangjan'.
 248489. 'Taipei Woo-Co'.

248490. Gossypium (hybrid). Malvaceae.

Cotton.

From the Sudan. Seeds presented by the Cotton Breeding Station, Shambat, North Khartoum. Received June 2, 1958.

20.4.106.

248491. Crotalaria juncea L. Fabaceae.

Sunn-hemp.

From Brazil. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 2, 1958.

Col. No. 18279. 'Guizo de Cascavel'. Santanesia, Barra de Pirahy, Rio de Janeiro. Plant in State of Sao Paulo used for green manure, and testing for paper pulp.

248492. Crataegus aestivalis (Walt.) Torr. & Gray. Malaceae.

Hawthorn.

From the United States. Seeds presented by Lynn Lowrey, Houston, Texas. Received June 2, 1958.

Tree unarmed, to 35 feet high; leaves about one inch long; flowers white, in clusters; fruits fragrant, bright-red, juicy. Native from North Carolina to Florida.

248493. Rubus sp. Rosaceae.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 2, 1958.

Col. No. 21436. Fifty-five km. west of Astrida, Ruanda Urundi. Rampant vine; fruits small black when ripe.

248494. Citrus (hybrid). Rutaceae.

From Portugal. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 2, 1958.

Col. No. 16906. 'Don Juan'. Posto Agrario, Tavira. Midseason orange. Fruits structure and flavor good.

248495 to 248499. Ricinus communis L. Euphorbiaceae.

Castorbean.

From Angola. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 2, 1958.

248495. Col. No. 21483. Roadside, 20 km. north of Sa da Bandeira. Elevation 1,850 meters.

248496. Col. No. 21484. Vacant lot, Sa da Bandeira. Elevation 1,650 meters.

248497. Col. No. 21503. Roadside near Vila Joao de Almgida. Elevation 1,650 meters.

248498. Col. No. 21572. Edge of field, 5 km. north of Nova Lisboa. Elevation 1,650 meters.

248499. Col. No. 21580. Seashore, Luanda.

248500 to 248502. RICINUS COMMUNIS L. Euphorbiaceae.**Castorbean.**

From Union of South Africa. Seeds presented by Gunson Seeds, Kliprivier, Johannesburg, Transvaal. Received June 3, 1958.

248500. S.M.F.C.

248501. S.F.G.R.

248502. S.M.F.S.

248503 and 248504.

From Great Britain. Seeds presented by Wye College, Ashford, Kent, England. Received June 3, 1958.

248503. BETA VULGARIS L. Chenopodiaceae.

Sugar beet.

'Detroit'—'Wye Cardinal'.

248504. LYCOPERSICON ESCULENTUM Mill. Solanaceae.

Tomato.

'Victory'. High quality and resistance to "Green Back".

248505 and 248506. PASSIFLORA EDULIS Sims Passifloraceae.**Purple granadilla.**

From Australia. Plants presented by the Passion Fruit Nurseries, Victoria. Received June 4, 1958.

248505. Grafted plants. Fruits large.

248506. Grafted plants. Fruits medium.

248507. IPOMOEA NIL var. LIMBATA Bailey Convolvulaceae.

From Japan. Seeds presented by Shidai Nakayama, Miyazak Prefecture, Miyazak. Received June 4, 1958.

248508. COGNIAUXIA PODOLAENA Baill. Cucurbitaceae.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 5, 1958.

Col. No. 21042. Twenty-five km. southwest of Leopoldville. Flowers yellow; fruits to 15 cm. long and 7.5 cm. in diameter.

248509 to 248515. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seeds presented by the Northern Utilization Research and Development Division, Peoria, Illinois. Received June 5, 1958.

248509. Chinese.

248510. 'Hagi-Dani'. From near Osaka.

248511. 'Hakuho'. From northern Honshu.

248512. 'Hokkaido Akita Variety No. 2'.

248513. 'Miyagi No. 2'.

248514. 'Nagano No. 2'.

248515. 'White Hilum Iwata Variety No. 2'.

248516 to 248522. ORYZA SATIVA L. Poaceae.**Rice.**

From Italy. Seeds presented by the Stazione Sperimentale di Riscoltura, Verelli. Received June 6, 1958.

248516. 'Agortano'.

248517. 'Ballocco'.

248518. 'Baraggia'.

248519. 'Bertone'.

248520. 'Carnaroli'.

248521. 'Rover Cella'.

248522. R. 82.

248523 to 248549.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 6, 1958.

248523 and 248524. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. **Ragi.**

248523. Col. No. 21423. Near Gutari, Ruanda-Urundi.

248524. Col. No. 21432. Twenty-eight km. west of Astrida, Ruanda-Urundi. Elevation 1,800 meters.

248525. *ERAGROSTIS* sp. Poaceae.

Col. No. 21369. On open slopes near Mubuga, Ruanda-Urundi. Elevation 2,100 meters. Bunchgrass to 70 cm. high. Common on upper slopes of Ruanda and apparently not eaten by stock.

248526. *ERAGROSTIS* sp.

Col. No. 21440. Near airport, 10 km. north of Elizabethville. Caespitose; leaves to 15 cm. long, inflorescence to 40 cm. high.

248527. *GLYCINE* sp. Fabaceae.

Col. No. 21335. On lava field 15 km. west of Goma.

248528. *GLYCINE* sp.

Col. No. 21336. On lava field, 20 km. west of Goma. Elevation 1,500 meters.

248529. *HUMULARIA* sp. Fabaceae.

Col. No. 21443. Thirty km. northwest of Elizabethville, occasional in scrub forest. Stems to 35 cm. long.

248530. *INDIGOFEA* sp. Fabaceae.

Col. No. 21412. Fifteen km. west of Kigali, Ruanda-Urundi. Elevation 1,500 meters. Perennial to 2 meters high. Pods open but seeds retained.

248531. *INDIGOFEA* sp.

Col. No. 21425. Twenty km. south of Gabiro, Ruanda-Urundi. Elevation 1,500 meters. Shrubby plant at 20 cm. high.

248532. *HAEKELCHLOA GRANULARIS* (L.) Kuntze Poaceae.

Col. No. 21439. Twenty km. northwest of Elizabethville, in scrub forest, savanna. Plant 2 meters high.

248533. *SETARIA LONGISETA* Beauv. Poaceae.

Col. No. 21344. Grassy slopes 3 km. north of Bukavu. Elevation 1,625 meters.

248534. *PENNISETUM SETOSUM* (Sw.) L. Rich. Poaceae.

Col. No. 21353. Grassy slopes about 25 km. south of Bukavu. Elevation 1,625 meters. Plant about 80 cm. high.

248535 to 248539. *SESAMUM ANGUSTIFOLIUM* Engl. Pedaliaceae.

248535. Col. No. 21357. About 50 km. south of Bukavu, Ruzizi Valley. Elevation 960 meters. Plant upright; flowers purple.

248536. Col. No. 21358. About 50 km. south of Bukavu, Ruzizi Valley. Elevation 960 meters.

248537. Col. No. 21368. Grassy slopes about 5 km. east of Usambura, Ruanda-Urundi. Elevation 1,200 meters. Flowers purple.

248538. Col. No. 21414. Fifteen km. west of Kigali, Ruanda-Urundi. Elevation 1,500 meters. Plant to 1 meter high.

248539. Col. No. 21418. Ten km. south of Babiro, Ruanda-Urundi. Elevation 1,500 meters.

248540 to 248542. SESAMUM RADIATUM Schum.

248540. Col. No. 21375. 'Egonde'. Twenty km. southwest of Astrida, Ruanda-Urundi. Elevation 1,800 meters. Plant to 2 meters high; flowers large, purple; seeds brown and black.

248541. Col. No. 21377. Pasture 12 km. west of Astrida, Ruanda-Urundi. Elevation 1,650 meters. Plant to 1 meter high; flowers large.

248542. Col. No. 21439-A. In disturbed soils, near airport, 10 km. north of Elizabethville. Woody plant to 2 meters high; flowers large, purple.

248543. SESBANIA sp. Fabaceae.

Col. No. 21338. Kybuti, near Lake Kivu. Tree to 4 meters high; flowers yellow.

248544. SESBANIA sp.

Col. No. 21363. Near Lisambura, Ruanda-Urundi. Elevation 250 meters. Branching annual to 2 meters high.

248545. SESBANIA sp.

Col. No. 21380. Roadside one km. north of Astrida, Ruanda-Urundi. Seeds large.

248546. SETARIA SPHACELATA (Schum.) Stapf & Hubb. ex M. B. Moss Poaceae. Millet.

Col. No. 21406. Pasture lands 10 km. north of Hyanza, Ruanda-Urundi. Plant to 70 cm. high, closely cropped by cattle.

248547. SPOROBOLUS sp. Poaceae.

Col. No. 21441. In disturbed soil along road 20 km. northwest of Elizabethville. Elevation 1,350 meters. Annual, or possibly perennial.

248548. SORGHUM sp. Poaceae.

Col. No. 21317. Market at Bugarama, Ruanda-Urundi. Elevation 2,100 meters. Each spikelet contains two caryopses, indicating that both florets of spikelet are fertile.

248549. TRICHOLAENA REPENS (Willd.) Hitchc. Poaceae. Natalgrass.

Col. No. 21337. On sand, in lava flow, 15 km. west of Goma, north end of Lake Kivu. The 'Capim Gordura' of Brazil.

248550 to 248597. GAZANIA sp. Asteraceae.

From Great Britain. Plant presented by the Royal Horticultural Society Gardens, Wisley, Ripley, Woking, Surrey, England. Received June 9, 1958.

248550. 'Audrey'.	248565. 'Lilac Pink No. 559'.
248551. 'Faith'.	248566. 'Red Torch No. 557'.
248552. 'Gold'.	248567. 'Roger No. 592'.
248553. 'Hadden's Gold'.	248568. 'Sunbeam No. 540'.
248554. 'Replens'.	248569. No. 509.
248555. 'Rosemary'.	248570. No. 537.
248556. 'Silver Gilt'.	248571. No. 679.
248557. 'Tolls Orange'.	248572. No. 716. Buff.
248558. 'Betty No. 593'.	248573. No. 718.
248559. 'Bridget No. 543'.	248574. 'Snugglebunny'. No. 723.
248560. 'Christopher No. 527'.	248575. 'Morris'. No. 728.
248561. 'Frances No. 541'.	248576. 'Patrick'. No. 769.
248562. 'Freddie No. 524'.	248577. No. 770.
248563. 'Golden Flame No. 553'.	248578. 'Filigree'. No. 791.
248564. 'Hazel No. 650'.	248579. No. 792.

- | | |
|---------------------------------|-----------------------------|
| 248580. 'Bernardette'. No. 794. | 248589. 'Letitia'. No. 803. |
| 248581. No. 795. | 248590. No. 804. |
| 248582. No. 796. | 248591. No. 805. |
| 248583. No. 797. | 248592. 'Vera'. No. 806. |
| 248584. No. 798. | 248593. No. 808. |
| 248585. No. 799. | 248594. 'Joan'. No. 809. |
| 248586. No. 800. | 248595. 'George'. No. 810. |
| 248587. No. 801. | 248596. No. 812. |
| 248588. No. 802. | 248597. No. 913. |

248598 to 248600.

From Cuba. Seeds presented by the Atkins Garden and Research Laboratory, Cienfuegos. Received June 9, 1958.

- | | |
|--|----------------|
| 248598. EUPHORBIA NEREIFOLIA L. Euphorbiaceae. | Spurge. |
| 248599. POSOQUERIA MULTIFLORA Lem. Rubiaceae. | |
| 248600. PSEUDOBOMBAX ELLIPTICUM (H. B. K.) Dugand Bombacaceae. | |

248601 and 248602. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Colonial Sugar Refining Company, Sydney, New South Wales. Received June 9, 1958.

248601. 55 MQ 2488.

248602. 39 SN 3821.

248603. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Ecuador. Plants growing at the U.S. Plant Introduction Station, Miami, Florida. Numbered June 9, 1958.

Col. No. 90. Collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md., at Hacienda Casa Vincas, on Rio Quenedo, Vincas, Los Rios. Trees 40 to 60 years old. Fruits yellow, few-seeded, with thick shells.

248604. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Israel. Seeds presented by the Weizmann Institute of Science, Rehovot. Received June 9, 1958.

No. 196-Dwarf.

248605. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From the United States. From Seed Storage, United States Plant Introduction Station, Glenn Dale, Md. Numbered June 9, 1958.

For testing in Regional Plant Introduction Program.

248606 to 248622.

From Spain. Material collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 9, 1958.

248606. ARRHENATHERUM ELATIUS VAR. BULBOSUM (Willd.) Spenner Poaceae.
Tuber oatgrass.

Col. No. 16979. Between Granada and Jaen. Elevation to 3,000 feet. Sparsely-leaved, tufted, perennial. (Plant.)

248607 to 248612. CERATONIA SILIQUA L. Caesalpiniaceae. Carob.

248607. Col. No. 16934. 'Valenciana'. Near Valencia. Old tree with good crop of long pods. Fruits mature in early August. (Cuttings.)

248608. Col. No. 16935. Near Gata. Variety with heavy crop of pods to 9 inches long.

248609. Col. No. 16936. Between Gata and Alicante. Younger more vigorous plant with larger leaves than the others; pods to 7 inches long.
248610. Col. No. 16937. Between Gata and Alicante. Well-pruned, early-maturing tree with heavy crop of large, rather uniform pods.
248611. Col. No. 16947. 'Algarrobo'. Near Elche, Alicante Province. Mature tree; flowers perfect; pods uniformly long and rather slender, maturing early.
248612. Col. No. 16948. Elche, Alicante Province. Young tree of open type foliage; flowers perfect; pods uniformly long and straight, maturing early.
- 248613 to 248615. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**
248613. Col. No. 16962. Near Guadix, Granada Province. Elevation 2,500 feet. Tufted, drought resistant, winter-spring perennial, forage grass, seeding freely in summer.
248614. Col. No. 16980. Between Granada and Jaen. Elevation 3,000 feet. Leafy, tufted, drought-resistant winter-spring forage grass.
248615. Col. No. 16990. Fifty km. south of Madrid. Drought-resistant, tufted, perennial on poor coarse soil.
- 248616 and 248617. *PRUNUS AMYGDALUS* BATSCH Amygdalaceae. **Almond.**
248616. Col. No. 16938. 'Marcona'. Jijona, Alicante Province. Common drought-resistant, round-seeded variety. (Cuttings.)
248617. Col. No. 16939. 'Pestanya'. Jijona, Alicante Province. Reported to be the most cold-resistant almond in area. (Cuttings.)
- 248618 and 248619. *PYRUS COMMUNIS*: L. Malaceae. **Common pear.**
- Market in Murcia. (Seeds.)
248618. Col. No. 16951. 'Pera'. Fruit small.
248619. Col. No. 16952. Fruit small.
248620. *CERATONIA SILIQUA* L. Caesalpiniaceae. **Carob.**
- (No field note.) (Seeds.)
- 248621 and 248622. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby Poaceae.
248621. Col. No. 16962. Near Guadix, Granada Province. Elevation 2,500 feet. Tufted, drought-resistant, winter-spring perennial forage grass; seeding freely in summer. (Seeds.)
248622. Col. No. 16990. Fifty km. south of Madrid. Drought-resistant, tufted, perennial on poor coarse soil. (Seeds.)
- 248623 to 248638.**
- From Pakistan. Seeds collected by P. F. Knowles, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 12, 1958.
- 248623 to 248634. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**
- 248623 to 248630. Karachi Bazaar.
248623. Col. No. K688.
248624. Col. No. K689.
248625. Col. No. K690.
248626. Col. No. K691.
248627. Col. No. K692.
248628. Col. No. K693.
248629. Col. No. K694.
248630. Col. No. K695.
- 248631 to 248634. Tatta Bazaar.
248631. Col. No. K696.

248632. Col. No. K697.

248633. Col. No. K698.

248634. Col. No. K699.

248635. *HORDEUM VULGARE* L. Poaceae.

Common barley.

Col. No. K703. Tatta Bazaar.

248636 to 248638. *LINUM USITATISSIMUM* L. Linaceae.

Common flax.

Tatta Bazaar.

248636. Col. No. K700.

248637. Col. No. K701.

248638. Col. No. K702.

248639 to 248662.

From the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 11, 1958.

248639. *DALBERGIA* sp. Fabaceae.

Col. No. 21374. Hills near Mubuga, Ruanda-Urundi. Elevation 2,100 meters. Tree to 4 meters high.

248640. *MARKHAMIA* sp. Bignoniaceae.

Col. No. 21333. Five km. north of Goma. Elevation 1,650 meters. Tree to 20 meters high; leaves odd-pinnate, large; flowers yellow; pods ligulate, to 75 cm. long.

248641. *SANSEVIERIA* sp. Liliaceae.

Col. No. 21447. Forty-three km. northeast of Elizabethville. Broad mottled leaves to 50 cm. long and 10 cm. broad.

248642. *TEPHROSIA ERIOSEMOIDES* Oliver Fabaceae.

Col. No. 21428. Twenty km. southeast of Biunba. Elevation 1,800 meters. Flowers brick-red.

248643. *TEPHROSIA HECKMANNIANA* Harma.

Col. No. 21415. Five km. east of Kigali. Ruanda-Urundi. Elevation 1,500 meters. Flowers purple to rose.

248644 to 248655. *TEPHROSIA VOGELII* Hook. f.

248644. Col. No. 21340. West side of Lake Kivu, 80 km. north of Bukava. Elevation 1,500 meters. Spontaneous, not common at this elevation.

248645. Col. No. 21341. Near Kihindo, west side of Lake Kivu. Planted in coffee plantation shade.

248646. Col. No. 21342. West side of Lake Kivu. Elevation 1,750 meters. Abundant as spontaneous plant at this elevation.

248647. Col. No. 21370. Hills near Mubuga, Ruanda-Urundi. Elevation 1,950 meters.

248648. Col. No. 21372. Twenty km. southwest of Astrida, Ruanda-Urundi. Elevation 1,800 meters. White-flowered form growing with purple form.

248649. Col. No. 21373. Twenty km. southwest of Astrida, Ruanda-Urundi. Elevation 1,800 meters. Purple-flowered form.

248650. Col. No. 21377. Fifteen km. west of Astrida, Ruanda-Urundi. Elevation 1,800 meters.

248651. Col. No. 21405. Ten km. north of Nyanza, Ruanda-Urundi. Elevation 1,800 meters. Spontaneous in pastures.

248652. Col. No. 21426. Fifty km. northeast of Kegali, Ruanda-Urundi. Elevation 2,100 meters. Spontaneous.

248653. Col. No. 21427. Twenty-seven km. southeast of Biumba, Ruanda-Urundi. Elevation 1,800 meters.

248654. Col. No. 21433. Twenty-five km. west of Astrida, Ruanda-Urundi. Purple-flowered form growing with white-flowered form.

248655. Col. No. 21434. Twenty-five km. west of Astrida, Ruanda-Urundi. Elevation 1,900 meters. White-flowered form growing with purple-flowered form.

248656. *TEPHROSIA* sp.

Col. No. 21354. Twenty-five km. south of Bukava. Elevation 1,600 meters. Shrub to 50 cm. high; flowers lavender.

248657. *TEPHROSIA* sp.

Col. No. 21365. Roadside in hills in vicinity of Muramuye, Ruanda-Urundi. Elevation 1,900 meters; shrub to 1 meter high.

248658. *TEPHROSIA* sp.

Col. No. 21417. In savanna 20 km. south of Gabiro, Ruanda-Urundi. Elevation 1,500 meters. Perennial to 75 cm. high; flowers purple.

248659. *THALICTRUM* sp. Ranunculaceae.

Col. No. 21432. Seventy km. west of Astrida, Ruanda-Urundi. Elevation 2,400 meters. Perennial in forest area; seeds many, on long slender peduncles.

248660. (Undetermined.)

Col. No. 21334. On lava fields north of Lake Kivu, about 20 km. west of Goma. Elevation 1,600 meters. Plant attractive; leaves long, narrow.

248661. (Undetermined.) Fabaceae.

Col. No. 21430. Seventy-five km. west of Astrida, Ruanda-Urundi. Elevation 2,100 meters. Perennial; pods abundant on plant; seeds persistent in pods.

248662. (Undetermined.) Cucurbitaceae.

Col. No. 21454. Northern Rhodesia border with Belgian Congo. About 50 km. southeast of Elizabethville. Vine; fruits bright red, to 25 mm. long.

248663 to 248671. *PERILLA FRUTESCENS* (L.) Britton Menthaceae.

From India and the Union of Soviet Socialist Republics. Seeds collected or bred by the Industrial Crops Section, Crops Research Division, Beltsville, Md. Numbered June 16, 1958.

248663. Original seeds received in June, 1931 from the Regional Oil Plant Station, Kruglik, Northern Caucasus, U.S.S.R., under P.I. 92090.

248664. Indian type. Source unknown. Late maturing; seeds light brown.

248665 to 248671. Selections from a cross between P.I. 92090 and the Indian type.

248665. Lot No. 1. Medium early maturity; plants to 3.5 feet high; seeds dark.

248666. Lot No. 2. Early maturity; plants to 3.5 feet high; seeds dark.

248667. Lot No. 3. Early maturity; plants to 3.5 feet high; seeds dark.

248668. Lot No. 4. Medium early maturity; plants to four feet high; seeds dark.

248669. Lot No. 5. Early maturity; plants to 3.5 feet high; seeds dark.

248670. Lot No. 6. Medium early maturity; plants to four feet high; seeds dark.

248671. Lot No. 7. Early maturity; plants to four feet high; seeds dark.

248672 to 248679.

From France. Plants presented by Marcel Lecoufle, Lecel Boissy-Saint-Leger. Received June 16, 1958.

248672. *NEPENTHES AMPULLARIA* Jack Nepenthaceae.
248673. *NEPENTHES AMPULLARIA* Jack 'Vittata'.
248674. *NEPENTHES COCCINEA* Mast.
248675. *NEPENTHES KHASIANA* Hook. f.
248676. *NEPENTHES* sp.
248677. *NEPENTHES MIXTA* var. *SANGUINEA* Mast.
248678. *NEPENTHES PHYLLAMPHORA* Willd.
248679. *NEPENTHES RAFFLESIANA* Jack.

248680 to 248723.

From Angola unless otherwise noted. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 16, 1958.

248680. *ARISTIDA CILIATA* Desf. Poaceae.

Col. No. 21583. Sandy soil, Lepington airport, Cape Province, Union of South Africa. Elevation 650 meters. 100 mm. annual rainfall. Bunchgrass to 60 cm. high; awns plumose, attractive.

- 248681 to 248684. South West Africa.

248681. *ARISTIDA HOCHSTETERIANA* G. Beck

Col. No. 21613. Semidesert 16 km. east of Usaros. For browsing.

- 248682 and 248683. *ARISTIDA UNIPLUMIS* Licht.

248682. Col. No. 21598. Dry plains 16 km. west of Wilhelmstal. Perennial bunchgrass for cattle feed.

248683. Col. No. 21604. Edge of desert, 32 km. west of Usakos. Elevation 1,100 meters. Annual rainfall less than 100 mm. Perennial bunchgrass for cattle feed.

248684. *ARISTIDA* sp.

Col. No. 21585. Sandy desert, Keelmanshoop airport. Elevation 1,350 meters. Dry area, 100 mm. rain annually. Bunchgrass to 50 cm. high; browsed by cattle.

248685. *CROTALARIA* sp. Fabaceae.

Col. No. 21563. Scrub forest 20 km. north of Sa da Bandeira. Elevation 1,800 meters. Perennial to 60 cm. high. Looks like fair forage.

248686. *CROTALARIA* sp.

Col. No. 21510. Scrub forest 25 km. southeast of Sa da Bandeira. Elevation 1,600 meters. Semiprostrate, annual or biennial; pods many.

248687. *CROTALARIA* sp.

Col. No. 21520. Along Nene River 10 km. west Huila. Elevation 1,700 meters. Plant to 35 cm. high in dense, caespitose bunches.

248688. *CROTALARIA* sp.

Col. No. 21538. Scrub forest 40 km. north of Caconda. Elevation 1,700 meters. Erect biennial or perennial, to 34 cm. high.

248689. *CROTALARIA* sp.

Col. No. 21542. Sandy soil, scrub forest, near Olivenca, Nova Angola. Elevation 1,200 meters. Biennial or perennial, to 40 cm. high.

248690. *CROTALARIA* sp.

Col. No. 21543. Twenty km. north of Olivenca, Nova Angola. Elevation 1,400 meters. Annual to 40 cm. high.

248691. *CROTALARIA* sp.

Col. No. 21564. Roadside 15 km. north of Nova Lisboa. Elevation 1,500 meters. Annual to 2 meters high; flowers yellow and red, attractive.

248692. *CROTALARIA* sp.

Col. No. 21579. Scrub forest 50 km. northwest of Nova Lisboa. Annual to 50 cm. high; leaves unifoliate.

248693. *CROTALARIA* sp.

Col. No. 21612. Grassy savanna, 64 km. north of Windhoek, South West Africa. Elevation 1,500 meters. Annual rain 50 cm. Annual, plant dead with pods on it.

248694. *CROTALARIA* sp.

Col. No. 21616. Eighty km. southwest of Leopoldville, Belgian Congo. Annual; leaves simple.

248695. *CYNODON* sp. Poaceae.

Col. No. 21563. Sandy roadside 5 km. north of Nova Lisboa. Elevation 1,650 meters.

248696. *DESMODIUM* sp. Fabaceae.

Col. No. 21512. Vila Joao de Almeida. Elevation 1,400 meters. Plant to 3 meters high; foliage abundant.

248697. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.

Col. No. 21568. Rocky hillside 5 km. north west of Nova Lisbon. Elevation 1,700 meters. Shrub to 75 cm. high. No indication of cultivation. Fiber short.

248698. *GOSSYPIUM TRIPHYLLUM* (Harv. & Sond.) Hochr.

Col. No. 21596. Sandy semidesert. Three km. east of Wilhelmstal, South West Africa. Shrub to 60 cm. high; fiber strong.

248699. *INDIGOFERA HIRSUTA* L. Fabaceae. Hairy indigo.

Col. No. 21474. Wooded plain, Villa Arraga. Abundant fruiting racemes.

248700. *INDIGOFERA* sp.

Col. No. 21477. Vila Arriage. Elevation 1,200 meters. Shrub to 2 mm. high.

248701. *INDIGOFERA* sp.

Col. No. 21506. Sandy roadside, 25 km. southeast of Sa da Bandeira. Elevation 1,600 meters. Profuse prostrate plant.

248702. *INDIGOFERA* sp.

Col. No. 21518. Scrub forest 15 km. west of Huila. Elevation 1,700 meters. Annual to 30 cm. high; leaves pinnate.

248703. *INDIGOFERA* sp.

Col. No. 21522. Fifteen km. south of Sa da Bandeira. Elevation 1,925 meters. Shrub to 2 meters high; fruits abundant.

248704. *INDIGOFERA* sp.

Col. No. 21532. Roadside, 15 km. north of Sa da Bandeira. Elevation 1,800 meters. Prostrate annual.

248705. *INDIGOFERA* sp.

Col. No. 21536. Scrub forest, 40 km. north of Caconda. Elevation 1,700 meters. Caespitose biennial or perennial, to 40 cm. high.

248706. *INDIGOFERA* sp.

Col. No. 21540. Scrub forest near Cangolo, east of Sa da Bandeira. Elevation 1,450 meters. Woody base perennial, to 60 cm. high.

248707. *INDIGOFERA* sp.

Col. No. 21551. Scrub forest 25 km. south of Sa da Bandeira. Elevation 1,550 meters. Perennial to 50 cm. high.

248708 to 248710. *SESAMUM CAPENSE* Burm. f. Pedaliaceae.

248708. Col. No. 21593. Sandy roadside about 30 km. north of Windhoek, South West Africa. Elevation 1,350 meters. Forty to 50 cm. annual rainfall; plant 1 meter high.

248709. Col. No. 21594. Sixty-six km. west of Okahandja, South West Africa. Elevation 1,300 meters. Extremely arid region.

248710. Col. No. 21610. Sandy roadside, edge of desert, 80 km. west of Lisacos, South West Africa. Annual rainfall less than 100 mm.

248711. *SESAMUM INDICUM* L.

Col. No. 21478. Plain near Villa Arraga. Elevation 900 meters. Shrub to 3 meters high; flowers small.

248712 and 248713. *SESAMUM SCHENCKII* Aschers.

248712. Col. No. 21587. Granitic hills 13 km. south of Windhoek, South West Africa. Elevation 1,700 meters. Annual rainfall 50 cm. Plant to 1 meter high.

248713. Col. No. 21599. Otjavarougo-Okaputa road, South West Africa.

248714 and 248715. *SESAMUM SCHINZIANUM* Aschers.

248714. Col. No. 21592. Franken Farm, Outjo District, South West Africa. From herbarium specimen in Department of Agriculture, Windhoek.

248715. Col. No. 21603. Five miles west of Osakos, South West Africa. Elevation 960 meters. Annual rainfall less than 100 mm. Much grazed perennial; leaves entire.

248716 to 248718. *SESBANIA CINERASCENS* Welw. Fabaceae.

248716. Col. No. 21524. Five km. south of Sa da Bandeira. Elevation 1,700 meters. Shrub to 3 meters high.

248717. Col. No. 21525. Sa da Bandeira. Elevation 1,700 meters. Shrub to 4 meters high; cultivated as ornamental.

248718. Col. No. 21560. Sa da Bandeira. Elevation 1,500 meters.

248719. *SETARIA APPENDICULATA* (Hack.) Stapf Poaceae.

Col. No. 21607. On volcanic soil 20 miles east of Usalos, South West Africa. Elevation 1,000 meters. Plant to 30 cm. high. Looks good for forage.

248720. *PENNISSETUM SPICATUM* (L.) Willd. Poaceae. Pearl millet.

Col. No. 21517. 'Massango'. Field 15 km. east of Sa da Bandeira. Annual grass with heads to 10 by 2 cm. Seeds are ground and used in a non-alcoholic drink called 'Blunga'. A beer called 'Makau' is made from fermented whole seed.

248721 and 248722. *SYLITRA BIFLORA* E. Mey. Fabaceae.

248721. Col. No. 21597. Desert about 2 miles east of Wilhelmstal, South West Africa. Elevation 1,200 meters. Small perennial.

248722. Col. No. 21611. Semidesert, 10 miles west of Wilhelmstal, Elevation, 1,300 meters. Small plant in grassy savanna.

248723. *ZORNIA DIPHYLLO* (L.) Pers. Fabaceae.

Col. No. 21549. Roadside weed in scrub forest 20 km. north of Vila Paiva Coceceiro. Elevation 1,200 meters. Perennial to 15 cm. high; flowers yellow.

248724 to 248730.

From Ethiopia. Presented by the Jimma Agricultural Technical School, Jimma. Received June 17, 1958.

248724. *GLADIOLUS* sp. Iridaceae.

(Corms.)

248725. *LILIUM* sp. Liliaceae.

Lot A. (Bulbs.)

248726. *LILIUM* sp.

Lot B. (Bulbs.)

248727. *LILIUM* sp.

Red. (Seeds.)

248728. *CANNA INDICA* L. Cannaceae.

Yellow. (Seeds.)

248729 and 248730. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

248729. Sel. I S. (Seeds.)

248730. Sel. 3 H. (Seeds.)

248731 to 248733. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae.

Sweetpotato.

From Peru. Tubers collected by Gustavo de la Torre, Lima. Received June 18, 1958.

From Market.

248731. No. 1. 'Chancleta Blanca'. Stalk blackberry-colored; leaves green, fan-shaped; tuber large and irregular; flesh yellow to orange. Used as a source of starch.

248732. No. 2. 'Amarillo'. Used as a source of starch.

248733. No. 3. 'Morado'. Skin black-strawberry color.

248734 to 248738.

From Spain. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 19, 1958.

248734. *CERATONIA SILIQUA* L. Caesalpiniaceae.

Carob.

Col. No. 16949. 'Algarroba'. Elche, Alicante.

248735 to 248737. *PRUNUS AMYGDALUS* Batsch Amygdalaceae.

Almond.

248735. Col. No. 16938. 'Marcona'.

248736. Col. No. 16939. 'Pestana'.

248737. Col. No. 16940. 'Comuna'. Jijona, Alicante Province. Large flat nut.

248738. *PRUNUS* sp.

Col. No. 16950. Market, Murcia. Fruits small, like a cross between an apricot and plum.

248739 and 248740. *RHEUM RHAPONTICUM* L. Polygonaceae.

Common rhubarb.

From the Netherlands. Fruits presented by the Institute of Horticultural Plant Breeding, Wageningen. Received June 20, 1958.

248739. 'Goliath'.

248740. 'Queen Victoria'.

248741. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

From Colombia. Seed collected by the Vegetables and Ornamentals Research Branch, Beltsville, Md. Received June 20, 1958.

Rain-resistant strain.

248742 to 248745. *PRUNUS AMYGDALUS* Batsch. Amygdalaceae.

Almond.

From Portugal. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 1958.

From Posto Agragio, Tavira.

248742. Col. No. 16907. 'Duro Amarelo'. Flowering January-February. Production normal.

248743. Col. No. 16908. 'Barrinho Mindo'. Late flowering. Production normal.

248744. Col. No. 16909. 'Bonita de San Braz'. Flowering January-February.

248745. Col. No. 16910. 'Coco Mindo'. Sotavento Province. Flowering January-February. Production light to normal.

248746 to 248752.

From the Island of Crete. Collected by H. S. Gentry, agricultural explorer, New Crops Research Division, Beltsville, Md. Received June 23, 1958.

Material cuttings unless otherwise noted.

248746 to 248749. *CERATONIA SILIQUA* L. Caesalpiniaceae.

Carob.

Collected June 13-16, 1958.

248746. Col. No. 17020. 'Liatichi'. Elous. Local variety with short thick pods of high sugar content, maturing in August. Bears regularly and well.

248747. Col. No. 17021. 'Liatichi'. Elous. Mature tree of singular form; foliage at ends of long bare branches bearing heavy crop of thick pods.

248748. Col. No. 17022. 'Liatichi'. Elous. Cuttings from two younger trees.

248749. Col. No. 17023. 'Dopia Chini'. St. Nicholas. Cretan variety with long slender pods, with less sugar than 'Liatichi'.

248750. *CITRUS SINENSIS* (L) Osbeck Rutaceae.

Sweet orange.

Col. No. 17010. 'Lainata'. Near Cania. Old local variety. Fruits bright orange, ovate, ripening in spring, but holding well on the trees through May and June.

248751. *NERIUM OLEANDER* L. Apocynaceae.

Oleander.

Col. No. 17000. Canyion, Potamous Amari. Elevation 2,000 feet. Unusually bright-pink flowers.

248752. *CERATONIA SILIQUA* L. Caesalpiniaceae.

Carob.

Col. No. 17021. Elous. (Seeds.)

248753 to 248770.

From India. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 23, 1958.

248753 and 248754. *ALLIUM CEPA* L. Liliaceae.

Onion.

248753. Col. No. K82. Kanakamamidi Village, west of Hyderabad.

248754. Col. No. K93. Chebella Village, west of Hyderabad.

248755 to 248768. *ARACHIS HYPOGEA* L. Fabaceae.

Common peanut.

248755 to 248757. Vekarabad Village, west of Hyderabad.

248755. Col. No. K122. 'Vilayata Palli'.

248756. Col. No. K123.

248757. Col. No. K124.

248758. Col. No. K139. Mominpeth Village west of Hyderabad.

248759 and 248760. Palamakur Village, 27 miles southwest of Hyderabad.

248759. Col. No. K170.

248760. Col. No. K171.

248761 to 248768. Himayatsager Station, near Hyderabad.

248761. Col. No. K254.

248765. Col. No. K258.

'Vilayati alu'; 'Veru Senaga'.

248766. Col. No. K259.

248762. Col. No. K255.

248767. Col. No. K260.

248763. Col. No. K256.

248768. Col. No. K261.

248764. Col. No. K257.

248769. Col. No. K 77. Kanakamamidi Village, west of Hyderabad.

248769 and 248770. *BRASSICA NIGRA* (L.) Koch Brassicaceae. Black mustard.

248770. Col. No. K152. Mutanghi Village, west of Hyderabad.

248771 to 248776.

From South West Africa, unless otherwise noted. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 24, 1958.

248771. *ASPARAGUS* sp. Convalariaceae.

Col. No. 21485. Spiny vine in scrub forest near Sa da Bandeira, Angola. Elevation 1,800 meters.

248772. *ASPARAGUS* sp.

Col. No. 21486. Plateau, 10 km. west of Sa da Bandeira, Angola. Elevation 1,950 meters. Wiry, spiny, vine; fruits small, red.

248773. *ASPARAGUS* sp.

Col. No. 21605. Edge of desert, 8 km. west of Usakos. Elevation 960 meters. Annual rainfall 100 mm. Semishrub to 50 cm. high, not spiny.

248774 and 248775. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.

248774. Col. No. 21590. 'Summa'. Dry rocky hills about 16 km. south of Windhoek. Elevation 1,900 meters. Fruit about 10 cm. in diameter, globose; pulp bitter.

248775. Col. No. 21608. Semidesert, about 15 miles east of Kanbib. Elevation about 1,300 meters. Fruits globose about 10 cm. in diameter, bitter.

248776. *VITIS BAINESII* Hook. Vitaceae.

Col. No. 21609. Rocky canyon, 46 km. east of Usakos. Stem thickened to 70 cm. in diameter.

248777. *MUSA* sp.

From Greece. Plants collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received June 24, 1958.

Col. No. 17024. Near St. Nicolas, Isle of Crete. Plant to 7 feet high; trunk thick; fruit small but good quality.

248778. *CUCUMIS SATIVUS* L. Cucurbitaceae.

Cucumber.

From Iran. Seeds presented by the United States Operations Mission, Teheran. Received June 24, 1958.

248779. *PRUNUS ARMENIACA* L. Amygdalaceae.

Apricot.

From the United States. Tree growing at the U.S. Plant Introduction Station, Chico, California. Numbered June 25, 1958.

J-3-1. A selection from P. I. 121466. Fruit 4.5 inches in circumference, somewhat flattened, with a deep suture which has a tendency to split; skin yellow; flesh firm, cling type. A reliable producer.

248780 to 248786.

From South America. Seeds collected by O. E. White, Charlottesville, Va. Received June 25, 1958.

248780. *ANNONA CHERIMOLA* Mill. Annonaceae.

Cherimoya.

From Quito, Ecuador.

248781. *CANTUA* sp. Polemoniaceae.

Near La Paz, Bolivia.

248782. *COLLIGUAJA INTEGERRIMA* Gill & Hook. Euphorbiaceae.

Near Volcan, Chile.

248783. *CYLANTHERA PEDATA* (L.) Schrad. Cucurbitaceae.

'Pepino'. From Medellin, Colombia.

248784. *EPHEDRA* sp. Gnetaceae.

248785. *HIPPEASTRUM* sp. Arnyllidaceae.

248786. *SISYRINCHIUM* sp. Iridaceae.

248787 to 248792. *PHASEOLUS LUNATUS* L. Fabaceae. Lima bean.

From Jamaica. Seeds presented by the Institute of Jamaica, Kingston. Received June 25, 1958.

248787. 'Full-Belly'. Sugar bean. Market, Kingston.

248788. Sugar bean. Tower Hill, St. Andrew.

248789. Sugar bean. Private garden, Hagley Park Road, St. Andrew.

248790. Butter bean. Private garden, Norwood Ave., St. Andrew.

248791. Market, Kingston.

248792. Sugar bean. Garden, Troy.

248793 to 248991.

From India. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch Crops Research Division, Beltsville, Md. Received June 26, 1958.

Collected April 13 and 14, 1958.

248793 to 248880. *CARTHAMUS TINCTORIUS* L. Asteraceae.

Safflower.

248793 to 248798. Himatnagar Village, west of Hyderabad.

248793. Col. No. K42.

248794. Col. No. K43.

248795. Col. No. K44.

248796. Col. No. K45.

248797. Col. No. K46.

248798. Col. No. K47.

248799 to 248801. Mangalaram Village, west of Hyderabad.

248799. Col. No. K54.

248800. Col. No. K55.

248801. Col. No. K56.

248802 to 248808. Kanakamamidi Village, west of Hyderabad.

248802. Col. No. K68.

248806. Col. No. K72.

248803. Col. No. K69.

248807. Col. No. K73.

248804. Col. No. K70.

248808. Col. No. K74.

248805. Col. No. K71.

248809 to 248812. Chebella Village, west of Hyderabad.

248809. Col. No. K83.

248810. Col. No. K84.

248811. Col. No. K85.

248812. Col. No. K86.

248813. Col. No. K94.

248813 to 248816. Aloor Village, west of Hyderabad.

248814. Col. No. K95.

248815. Col. No. K96.

248816. Col. No. K97.

248817 to 248822. Kusuma Vekarabad Village, west of Hyderabad.

248817. Col. No. K105.

248820. Col. No. K108.

248818. Col. No. K106.

248821. Col. No. K109.

248819. Col. No. K107.

248822. Col. No. K110.

248823 and 248824. Mominpeth Village, west of Hyderabad.

248823. Col. No. K129.

248824. Col. No. K130.

248825 to 248829. Muthangi Village, west of Hyderabad.

248825. Col. No. K144.

248828. Col. No. K147.

248826. Col. No. K145.

248829. Col. No. K148.

248827. Col. No. K146.

248830 to 248836. Palamakur Village, 27 miles southwest of Hyderabad.

248830. Col. No. K153.

248834. Col. No. K157.

248831. Col. No. K154.

248835. Col. No. K158.

248832. Col. No. K155.

248836. Col. No. K159.

248833. Col. No. K156.

248837 to 248843. Shadnagar Village, 40 miles southwest of Hyderabad.

248837. Col. No. K173.

248841. Col. No. K177.

248838. Col. No. K174.

248842. Col. No. K178.

248839. Col. No. K175.

248843. Col. No. K179.

248840. Col. No. K176.

248844. Col. No. K195. Ramachandrapur Village, 10 miles north of Shadnagar.

248845 and 248846. Mehdipur Village, 10 miles north of Shadnagar.

248845. Col. No. K198.

248846. Col. No. K199.

248847 to 248880. Kusuma, Himayat Sagar Station, near Hyderabad.

248847. Col. No. K201.

248857. Col. No. K211.

248848. Col. No. K202.

248858. Col. No. K212.

248849. Col. No. K203.

248859. Col. No. K213.

248850. Col. No. K204.

248860. Col. No. K214.

248851. Col. No. K205.

248861. Col. No. K215.

248852. Col. No. K206.

248862. Col. No. K216.

248853. Col. No. K207.

248863. Col. No. K217.

248854. Col. No. K208.

248864. Col. No. K218.

248855. Col. No. K209.

248865. Col. No. K219.

248856. Col. No. K210.

248866. Col. No. K220.

- | | |
|------------------------|------------------------|
| 248867. Col. No. K221. | 248874. Col. No. K228. |
| 248868. Col. No. K222. | 248875. Col. No. K229. |
| 248869. Col. No. K223. | 248876. Col. No. K230. |
| 248870. Col. No. K224. | 248877. Col. No. K231. |
| 248871. Col. No. K225. | 248878. Col. No. K232. |
| 248872. Col. No. K226. | 248879. Col. No. K233. |
| 248873. Col. No. K227. | 248880. Col. No. K234. |
248881. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae.
Col. No. K81. Kanakamamidi Village, west of Hyderabad.
- 248882 to 248894. *GUIZOTIA ABYSSINICA* (L. f.) Cass. Asteraceae.
- 248882 Col. No. K66. Managalararam Village, west of Hyderabad.
248883. Col. No. K78. Kanakamamidi Village, west of Hyderabad.
- 248884 to 248886. Chebella Village, west of Hyderabad.
248884. Col. No. K90.
248885. Col. No. K91.
248886. Col. No. K92.
- 248887 and 248888. Aloor Village, west of Hyderabad.
248887. Col. No. K101.
248888. Col. No. K102.
- 248889 and 248890. Gaddi Nuvvulu, Vekarabad Village, west of Hyderabad.
248889. Col. No. K120.
248890. Col. No. K121.
- 248891 and 248892. Nominpeth Village, west of Hyderabad.
248891. Col. No. K140.
248892. Col. No. K141.
248893. Col. No. 197. Ramachandrapur Village, 10 miles north of Shadnagar, west of Hyderabad.
248894. Col. No. K200. Mehdipur Village, 10 miles north of Shadnagar, west of Hyderabad.
- 248895 to 248901. *HIBISCUS CANNABINUS* L. Malvaceae. **Kenaf.**
- 248895 and 248896. Kanakamamidi Village, west of Hyderabad.
248895. Col. No. K79.
248896. Col. No. K80.
248897. Col. No. K125. Vekarabad Village, west of Hyderabad.
- 248898 and 248899. Nominpeth Village, west of Hyderabad.
248898. Col. No. K142.
248899. Col. No. K143.
248900. Col. No. K172. Palamakur Village, 27 miles southwest of Hyderabad.
248901. Col. No. K194. Shadnagar Village, 40 miles southwest of Hyderabad.
- 248902 to 248925. *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**
248902. Col. No. K65. Mangalararam Village, west of Hyderabad.
248903. Col. No. K89. Chebella Village, west of Hyderabad.
- 248904 to 248906. Vekarabad Village, west of Hyderabad.
248904. Col. No. K117.

- 792-290—66—12

- 248954 to 248956. Shadnagar Village, 40 miles southwest of Hyderabad.
 248954. Col. No. K180.
 248955. Col. No. K181.
 248956. Col. No. K182.
248957. Col. No. K183. Muthangi Village, west of Hyderabad.
- 248958 to 248961. Shadnagar Village, 40 miles southwest of Hyderabad.
 248958. Col. No. K184. 248960. Col. No. K186.
 248959. Col. No. K185. 248961. Col. No. K187.
- 248962 to 248970. Himayat Sagar Experimental Station near Hyderabad.
 248962. Col. No. K235. 248967. Col. No. K240.
 248963. Col. No. K236. 248968. Col. No. K241.
 248964. Col. No. K237. 248969. Col. No. K242.
 248965. Col. No. K238. 248970. Col. No. K243.
 248966. Col. No. K239.
- 248971 to 248988. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
 248971. Col. No. K53. Himatnagar Village, west of Hyderabad.
 248972 to 248976. Mangalaram Village, west of Hyderabad.
 248972. Col. No. K60. 248975. Col. No. K63.
 248973. Col. No. K61. 248976. Col. No. K64.
 248974. Col. No. K62.
248977. Col. No. K76. Kanakamamidi Village, west of Hyderabad.
 248978. Col. No. K88. Chebella Village, west of Hyderabad.
 248979. Col. No. K100. Aloor Village, west of Hyderabad.
 248980 and 248981. Moninpeth Village, west of Hyderabad.
 248980. Col. No. K135.
 248981. Col. No. K136.
248971. Col. No. K53. Himatnagar Village, west of Hyderabad.
 248982. Col. No. K166.
 248983. Col. No. K167.
 248984. Col. No. K168.
 248985. Col. No. K169.
- 248986 and 248987. Shadnagar Village, 40 miles southwest of Hyderabad.
 248986. Col. No. K188.
 248987. Col. No. K189.
248988. Col. No. K196. Ramachandrapur Village, 10 miles north of Shadnagar.
248989. *SORGHUM BICOLOR* (L.) Moench Poaceae.
 Col. No. K103. Aloor Village, west of Hyderabad.
- 248990 and 248991. *TRITICUM DICOCUM* Schrank Poaceae. Emmer.
 248990. Col. No. K104. Aloor Village, west of Hyderabad.
 248991. Col. No. K126. 'Joad'. Vekarabad Village, west of Hyderabad.
- 248992 and 248993.**

From Hong Kong. Seeds presented by the Gardens Division, Urban Services Department, Victoria, through E. A. Menninger, Stuart, Florida. Received June 30, 1958.

248992. *GORDONIA AXILLARIS* (Roxb.) Dietr. Theaceae.

248993. *TUTCHERIA SPECTABILIS* (Champ.) Dunn. Theaceae.

248994 and 248995. *SACCHARUM* (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Sugar Experiment Station, Brisbane, Queensland. Received June 30, 1958.

248994. Q63.

248995. Q70.

248996 to 249068.

From Nigeria. Seeds presented by the Regional Research Station, Ministry of Agriculture, Samaru, Zaria. Received June 30, 1958.

248996 to 249007. *HIBISCUS ESCULENTUS* L. Malvaceae.

Okra.

248996. L559. 57-663. Late.

248997. L652. 57-668. Late.

248998. L781. 57-669. Late.

248999. L1122. 57-510. Late.

249000. L655. 57-474. Late.

249001. L932. 57-676. Late.

249002. L981. 57-508. Early.

249003. L665. 57-481. Early.

249004. L1096. 57-494. Early.

249005. L989. 57-507. Early.

249006. L1180. 57-512. Early.

249007. L1452. 57-519. Early.

249008 to 249010. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.

249008. L1158. 57-482.

249009. L718. 57-479.

249010. L718. 57-478.

249011 and 249012. *CUCURBITA MOSCHATA* Duchesne ex Poir. Cucurbitaceae. Cushaw.

249011. L681. 57-449.

249012. L934. 57-467.

249013. *CUCURBITA MAXIMA* Duchesne

Squash.

L773. 57-463.

249014. *CUCURBITA PEPO* L.

Pumpkin.

L1334. 57-484.

249015. *CUCURBITA* sp.

L672. 57-447.

249016. *CUCURBITA* sp.

L779. 57-459.

249017. *CUCURBITA* sp.

L909. 57-461.

249018. *CUCURBITA* sp.

L1334. 57-487.

249019. *CUCURBITA* sp.

L1158. 57-480.

249020 to 249068.	PHASEOLUS LUNATUS L.	Fabaceae.	Lima bean.
249020.	L602.	249045.	L615.
249021.	L602-a-1.	249046.	L615-a.
249022.	L602-a-3.	249047.	L617.
249023.	L602-a-4.	249048.	L654.
249024.	L602-a-5.	249049.	L818.
249025.	L602-b-2.	249050.	L819.
249026.	L602-c.	249051.	L820.
249027.	L602-d.	249052.	L821.
249028.	L603.	249053.	L823.
249029.	L603-7.	249054.	L824.
249030.	L603-8.	249055.	L825.
249031.	L603-9.	249056.	L827.
249032.	L603-12.	249057.	L828.
249033.	L603-a.	249058.	L1033.
249034.	L603-b-1.	249059.	L1034.
249035.	L603-b-2.	249060.	L1035.
249036.	L603-c.	249061.	L1036.
249037.	L609.	249062.	L1037.
249038.	L609-1.	249063.	L1038.
249039.	L609-a.	249064.	L1040.
249040.	L609-b.	249065.	L1160.
249041.	L612.	249066.	L1475.
249042.	L613.	249067.	56-496.
249043.	L613-1.	249068.	56-499.
249044.	L613-a.		

249069 to 249080. CEPHAELIS IPECACUANHA (Brot.) Rich. Rubiaceae.
Ipecac.

From Nicaragua. Clones presented by the Servicio Tecnico Agricola de Nicaragua, Managua. Received July 1, 1958.

249069.	No. 15.	249075.	No. 43.
249070.	No. 20.	249076.	No. 45.
249071.	No. 35.	249077.	No. 112.
249072.	No. 37.	249078.	No. 113.
249073.	No. 40.	249079.	No. 114.
249074.	No. 42.	249080.	No. 120.

249081. CARTHAMUS TINCTORIUS L. Asteraceae. **Safflower.**

From the Philippines. Seeds presented by Mamerto Sulit, Laguna. Received July 1, 1958.

249082 to 249084.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique, Mulungu, Kivu. Received July 1, 1958.

249082.	COFFEA ARABICA L.	Rubiaceae.	Arabian coffee.
	'Sangre del Christo'.		
249083.	COFFEA EUGENIOIDES S. Moore		
249084.	COFFEA KIVUENSIS Lebrun		

249085 and 249086. ALLIUM CEPA L. Liliaceae. Onion.

From India. Collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 2, 1958.

Eighty-eight km. north of Ahwaz.

249085. Col. No. K856. (Bulbs.)

249086. Col. No. K856. (Seeds.)

249087 to 249113.

From Angola. Collected by Louis O. Williams and Norris W. Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Collected in April, 1958.

Material received as seed unless otherwise noted.

249087. ADIANTUM sp. Polypodiaceae.

Fern.

Col. No. 21511. Sandstone, 15 km. west of Huila. Elevation 1,800 meters. Plant to 15 cm. high; attractive for rock gardens. (Plant.)

249088. ALOE sp. Liliaceae.

Col. No. 21526. Rocky hill 10 km. north of Humpata. Elevation 2,200 meters. Stems long; flowers scarlet-red.

249089. ALOE sp.

Col. No. 21527. Twenty km. north of Humpata. Elevation 2,300 meters. Flowers pale-red.

249090. ALOE sp.

Col. No. 21550. Scrub forest 25 km. south of Sa da Bandeira. Elevation 1,600 meters. Perennial, apparently sessile.

249091. ALOE sp.

Col. No. 21581. San Miguel Fortress, Luanda. Plant treelike, attractive.

249092. ANEMONE sp. Ranunculaceae.

Col. No. 21555. Scrub forest 10 km. north of Nova Lisboa. Elevation 1,800 meters. Leaves whorled; fruiting heads attractive.

249093. ANEMONE sp.

Col. No. 21556. Scrub forest 15 km. north of Nova Lisboa. Plant to 60 cm. high.

249094. CLEMATIS sp. Ranunculaceae.

Col. No. 21464. Scrub forest 20 km. north of Sa da Bandeira. Elevation 2,000 meters. Shrub to 1 meter high; foliage attractive.

249095. CLEMATIS COMMUTATA Kuntze

Col. No. 21502. Near Humpata. Elevation 2,300 meters. Shrub to 1 meter high; foliage grayish; flowers white about 3 cm. in diameter; fruits attractive.

249096. COMBRETUM sp. Combretaceae.

Col. No. 21475. Wooded plain near Vila Arriage. Elevation 1,000 meters. Shrub to 2 meters high; flowers in tight racemes, ornamental.

249097. DODONAEA sp. Sapindaceae.

Col. No. 21514. Near Huila. Elevation 1,600 meters. Shrub to 5 meters high. Leaves lanceolate; fruits reddish, abundant.

249098. EUPHORBIA sp. Euphorbiaceae.

Col. No. 21606. Canyon 30 km. southeast of Usakos. Succulent; stems to 1 cm. in diameter.

249099. HYPERICUM sp. Hypericaceae.

Col. No. 21507. Scrub forest near Jau. Elevation 1,700 meters. Plant small; leaves fleshy, four-ranked. (Tubers.)

249100. MUNDULEA SERICEA (Willd.) A. Chev. Fabaceae.

Col. No. 21614. Originally from Botanical Garden 8 km. from Pretoria, Transvaal. Elevation 1,500 meters. Shrub to 3 meters high.

249101. MYRSINE AFRICANA L. Myrsinaceae.

Col. No. 21505. Scrub forest near Jau. Elevation 1,700 meters. Shrub to 30 cm. high; berries red.

249102. DROOGMANSIA sp. Fabaceae.

Col. No. 21546. Roadside weed near Catata. Annual to 80 cm. high.

249103. PROTEA LATIFOLIA R. Br. Proteaceae.

Col. No. 21467. Twenty km. north of Sa da Bandeira. Elevation 3,000 meters. Tree or shrub to 5 meters high; flowers white.

249104. SARCOSTEMMA VIMINALE (L.) R. Br. Asclepiadaceae.

Col. No. 21595. Semidesert 5 km. north of Usakos. Succulent; stems round, to 75 cm. high.

249105. SOPUBIA ANGOLENSIS Engl. Scrophulariaceae.

Col. No. 21465. Ten km. north of Sa da Bandeira. Elevation 2,000 meters. Plant to 60 cm. high; flowers pink.

249106. TEPHROSIA CAPENSIS (Jacq.) Pers. Fabaceae.

Col. No. 21509. Twenty-five km. southeast of Sa da Bandeira. Plant to 50 cm. high; flowers orange to purple.

249107. TEPHROSIA GRANDIFLORA (Ait.) Pers.

Col. No. 21496. Rocky hills near Bimbe Experiment Station, 15 km. north of Humpata. Elevation 2,300 meters. Shrub to 2 meters high.

249108 and 249109. TEPHROSIA VOGELII Hook. f. Fabaceae.

249108. Col. No. 21541. White form. Thirty km. south of Vila Robert Williams. Elevation 1,800 meters.

249109. Col. No. 21575. 'Calembe'. In cornfield 45 km. northwest of Nova Lisboa. Elevation 1,600 meters.

249110. TEPHROSIA sp.

Col. No. 21473. Wooded plain near Vila Arriage. Elevation 1,000 meters. Shrub to 3 cm. high; flowers lavender.

249111. TEPHROSIA sp.

Col. No. 21554. Rocky slopes near Quipungo. Elevation 1,500 meters. Plants to 100 cm. high.

249112. TEPHROSIA sp.

Col. No. 21598. Semi-desert, 3 km. east of Wilhelmstal. Elevation 1,600 meters. Plant 40 cm. high.

249113. TEPHROSIA sp.

Col. No. 21602. Desert, 10 km. west of Usakos. Shrubby plants to 40 cm. high.

249114 to 249116.

From India. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md.

249114. AMMI COPTICUM L. Apiaceae.

Col. No. K128. Vekarabad Village, west of Hyderabad.

249115 and 249116. CORIANDRUM SATIVUM L. Apiaceae.

Coriander.

249115. Col. No. K67. Mangalaram Village, west of Hyderabad.

249116. Col. No. K127. Vekarabad Village, west of Hyderabad.

249117 to 249121.

From Brazil. Seeds presented by Ethne McGehee, Sao Paulo. Received July 3, 1958.

249117. *CASSIA* sp. Caesalpiniaceae.

249118. *TIBOUCHINA GRANULOSA* (Desr.) Cogn. Melastomataceae. Purple.

249119. *TIBOUCHINA REGNELLII* Cogn.

249120. *TIBOUCHINA SELLOWIANA* Cogn.

249121. *TIBOUCHINA* sp.

Leaves large, velvety, with clusters of deep-purple blooms.

249122 to 249130.

From Greece. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 7, 1958.

249122. *FRAGARIA* (hybrid). Rosaceae. **Strawberry.**

Col. No. 17085. Simonopetra, Athos. Elevation 1,000 feet. Fruits red, small.

249123. *MORUS RUBRA* L. Moraceae. **Red mulberry.**

Col. No. 16999. Asomatos, Isle of Crete. Elevation 2,000 feet. Fruits unusually large.

249124. *PRUNUS CERASUS* L. Amygdalaceae. **Sour cherry.**

Col. No. 17053. San Dimitris, Mount Olympus. Elevation 2,800 feet. Spontaneous seedling; leaves large, dark green; fruit purplish-red.

249125. *ILEX* sp. Aquifoliaceae. **Holly.**

Col. No. 17071. Karya, Athos. Elevation 1,800 feet. Leaves dark green. (Cuttings.)

249126. *LOTUS ULIGINOSUS* Schkuhr Fabaceae. **Big trefoil.**

Col. No. 17100. Ierissos, near Athos. Elevation 50 feet. Thick bushy perennial, decumbent to erect, in clonal colonies. (Plants.)

249127. *MEDICAGO* sp. Fabaceae.

Col. No. 17117. Pindos Mountains. Elevation 4,500 feet. Prostrate perennial forming mat on clay soil. Grazed by sheep. (Plants.)

249128. *TRIFOLIUM* sp. Fabaceae.

Col. No. 17108. Eighteen miles north of Ierissos along road to Arnaea. Diffuse, white-flowered, erect herb growing in thick meadow. (Plants.)

249129. (Undetermined.)

Col. No. 17102. Ierissos by Athos. Elevation 50 feet. Very strong runner; forms a tight sod on moist sand. (Stolons.)

249130. *IRIS ATHOA* Foster Iridaceae.

Col. No. 17093. Athos Mountains. Elevation 2,000 feet. Plants scattered on dry, open slopes.

249131. *CARTHAMUS LANATUS* L. Asteraceae.

From Pakistan. Seed presented by the Royal Botanic Garden, Edinburgh, Scotland. Received July 8, 1958.

Collected near main Attock-Peshawar road, east of Akora, Pakistan.

249132 to 249134. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From India. Seed presented by the Oilseed Specialist, Coimbatore. Received July 8, 1958.

249132. TMV. 1.

249133. TMV. 2.

249134. TMV. 3.

249135. IPOMOEA CAIRICA (L.) Sweet Convolvulaceae.

From Argentina. Seed presented by the Direccion General de Sanidad Vegetal, Buenos Aires. Received July 8, 1958.

SD 58-78.

249136 to 249141.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 8, 1958.

249136. AERVA TOMENTOSA Forsk. Amaranthaceae.

No. W478. Carnavon, Western Australia.

249137. BROMUS MOLLIS L. Poaceae.

Soft chessgrass.

No. W461. Perth, Western Australia.

249138. ENCHLYAENA TOMENTOSA R. Br. Chenopodiaceae.

No. C680. Central Australia.

249139. EULALIA FULVA (R. Br) Kuntze Poaceae.

Sugargrass.

No. Q214. Queensland.

249140. PHALARIS X DAVIESII S. T. Blake Poaceae.

No. Q302. Brisbane, Queensland.

249141. STIPA FALCATA Hughes Poaceae.

No. N330. Trangie, New South Wales.

249142 to 249149.

From Portugal. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 9, 1958.

From Estacao de Milhoramento de Plantas, Elvas.

249142. AGROPYRON CRISTATUM (L.) Gaertn. Poaceae. Crested wheatgrass.

UMN 2606.

249143. AGROPYRON DESERTORUM (Fisch. ex Link) Schult.

Standard wheatgrass.

UMN 2607.

249144. AGROPYRON ELONGATUM (Host) Beauv.

Tall wheatgrass.

UMN 665.

249145. AGROPYRON INTERMEDIUM (Host) Beauv.

Intermediate wheatgrass.

UMN 2040.

249146. AGROPYRON TRICHOPHORUM (Link) Richt.

Stiffhair wheatgrass.

UMN 2608.

249147. DACTYLIS GLOMERATA L. Poaceae.

Orchardgrass.

No. 8047.

249148. PSORALEA BITUMINOSA L. Fabaceae.

Scurf-pea.

No. 857.

249149. SANGUISORBA MINOR Scop. Rosaceae.

Small burnet.

No. 8090.

249150 to 249206.

From Brazil and Argentina. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 10, 1958.

Material received from Brazil unless otherwise noted.

249150. ARCHONTOPHOENIX sp. Phoenicaceae.

Col. No. 18505. Instituto de Botanico, Sao Paulo. Three to 30 feet high; trunk straight, columnar; fruits in clusters, reddish when ripe.

249151. ARECASTRUM ROMANZOFFIANUM (Chem.) Becc. Phoenicaceae.

Pindo palm.

Col. No. 19014. Facultad de Agronomia y Veterinaria, Buenos Aires, Argentina.

249152. BUTIA CAPITATA var. ODORATA (Barb.-Rodr.) Becc. Phoenicaceae. Palm.

Col. No. 18957. Osorio, Rio Grande do Sul. Elevation 65 feet. Tree to 12 feet high; fruits yellowish, fragrant; edible.

249153 and 249154. BUTIA CAPITATA (Mart.) Becc. Palm.

249153. Col. No. 18977. Near Porto Alegre, Rio Grande do Sul.

Tree to 12 feet high; fruit pale yellow, in large clusters; pulp edible.

249154. Col. No. 19012. Plant Exploration and Introduction, Ministry of Agriculture, Buenos Aires, Argentina. Small palm.

249155. BUTIA CAPITATA var. ODORATA (Barb.-Rodr.) Becc. Palm.

Col. No. 19096. Botanical Garden, Rio de Janeiro. Tree to 12 feet high; fruits edible.

249156. BUTIA CAPITATA (Mart.) Becc. Palm.

Col. No. 19097. Botanical Garden, Rio de Janeiro. Small palm; Fruit pale yellow, edible.

249157 and 249158. JOANNESIA PRINCEPS Vell. Euphorbiaceae.

249157. Col. No. 18283. 'Anda-assu'. Botanical Garden, Rio de Janeiro.

Tree to 90 feet high; suitable for reforestation.

249158. Col. No. 18701. 'Anda-assu'. Rio Clara, Sao Paulo.

249159. PHOENIX ROEBELENI O'Brien Phoenicaceae. Palm.

Col. No. 18965. Porto Alegre, Rio Grande do Sul. Elevation 65 feet. Tree to nine feet high.

249160. RAPHIA PEDUNCULATA Beauv. Phoenicaceae. Palm.

Col. No. 18699. Fazenda Elysia, Campinas, Sao Paulo. Tree to 40 feet high.

249161. TRITHRINAX BRASILIENSIS Mart. Phoenicaceae. Palm.

Col. No. 19098. 'Carandai'. Botanical Garden, Rio de Janeiro. Tree to 12 feet high; fruits clustered, yellow.

249162. ARAUCARIA ANGUSTIFOLIA (Bertol.) Kuntze Pinaceae.

Col. No. 18570. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 3,500 feet. Tree to 70 feet high.

249163. ARISTOLOCHIA GIGANTEA Mart. & Zucc. Aristolochiaceae.

Col. No. 18446. 'Papo de Peron'. Instituto Agronomico, Campinas, Sao Paulo. Elevation 1,300 feet. Flowers large, mottled purple to brown.

249164. ARISTOLOCHIA ELEGANS Masters Calicoflower.

Col. No. 18893. 'Orelha de Elephante'. Rio Novo, Corupa, Santa Catharina. Elevation 1,000 feet. Climber; flowers large, mottled brown.

249165. BANISTERIA sp. Malpighiaceae.

Col. No. 18540. Alta da Serra, Parana, Sao Paulo. Woody climber; flowers yellowish.

249166. BLECHNUM sp. Polypodiaceae.

Col. No. 18769. Piraquara, Parana. Elevation 3,500 feet. Fruiting stems erect, to 18 inches high.

249167. CAMOENSIA MAXIMA Welw. Fabaceae.

Col. No. 18025. Botanical Garden, Rio de Janeiro. Foliage dense, dark; flowers white.

249168. CASSIA JAVANICA L. Caesalpiniaceae.

Senna.

Col. No. 18469. Instituto Agronomico, Campinas, Sao Paulo. Tree to 30 feet high; crown dense; flowers pinkish-white.

249169. CLUSIA sp. Guttiferae.

Col. No. 18745. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Low, wide-spreading shrub or small tree.

249170. ERIOCAULON MAGNIFICUM Ruhl. Eriocaulaceae.

Col. No. 18945. Osorio, Rio Grande do Sul. Elevation 35 feet. Stems slender, to 18 inches high; flowering head white, 0.5 inch in diameter.

249171. ERYTHRINA sp. Fabaceae.

Col. No. 19099. Botanical Garden, Rio de Janeiro. Tree to 12 feet high; seeds reddish-pink.

249172. GARDENIA THUNBERGII L. f. Rubiaceae.

Col. No. 18208. Botanical Garden, Rio de Janeiro. Shrub to 6 feet high; flowers white.

249173. GUNNERA MANICATA Linden Halorrhagidaceae.

Great gunnera.

Col. No. 18959. Boca da Serra, Rio Grande do Sul. Elevation 3,000 feet. Rare plant; leaves 6 feet wide.

249174. PITCAIRNIA ROEZLII E. Morr. Bromeliaceae.

Col. No. 18514. Instituto de Botanico, Sao Paulo. Herb to 15 inches high; flowers deep pink.

249175. TABEBUA CHRYSOTRICHIA Standley Bignoniaceae.

Col. No. 18465. 'Ipe Amarelho'. Instituto Agronomico, Campinas, Sao Paulo. Medium size tree; flowers yellow.

249176. TABEBUA IMPETIGINOSA Standley

Col. No. 18466. 'Ipe Raxo'. Instituto Agronomico, Campinas, Sao Paulo. Tree to 50 feet high; flowers deep pink, in terminal clusters.

249177 and 249178. BEGONIA $\times$ ANGULARIS Raddi Begoniaceae.

249177. Col. No. 18144. Botanical Garden, Rio de Janeiro. Plant to eight feet high, in deep shade.

249178. Col. No. 18150. Botanical Garden, Rio de Janeiro. Plant slightly straggly, to five feet high; flowers deep purplish.

249179. BEGONIA ARBORESCENS Raddi

Col. No. 18146. Deep shade, Botanical Garden, Rio de Janeiro. Plant woody, to eight feet high; stems erect, greenish.

249180. BEGONIA BRADEII Irmscher

Col. No. 18511A. Instituto de Botanico, Sao Paulo. Plant to four feet high; flowers almost white.

249181. BEGONIA RUBRAPILOSA A. DC.

Col. No. 18951. Swamp land, Fazenda do Arroyo, Osorio, Rio Grande do Sul. Elevation 35 feet. Plant to 15 inches high.

249182. BEGONIA sp.

Col. No. 18515. Instituto de Botanico, Sao Paulo. Plant to six feet high; leaves rusty brown on underside.

249183. BEGONIA sp.

Col. No. 18430. Brooklyn-Paulista, Sao Paulo.

249184. BEGONIA sp.

Col. No. 18510. Instituto de Botanico, Sao Paulo. Plant to five feet high; leaves dark green.

249185. BEGONIA sp.

Col. No. 18520. Instituto de Botanico, Sao Paulo. Plant to three feet high; flowers white.

249186. BEGONIA sp.

Col. No. 18738. State of Parana. Plant to 16 inches high; leaves bright green, purplish brown underneath; flowers white.

249187. BEGONIA sp.

Col. No. 18757. Foot of Serra do Mar, Parana. Elevation 3,500 feet. Herb to 12 inches high; flowers pinkish.

249188. BEGONIA sp.

Col. No. 18805. Piraquara, Serra do Mar, Parana. Elevation 3,000 feet.

249189. BEGONIA sp.

Col. No. 18815. Cuatro Barros, foot of Serra do Mar, Parana. Elevation 3,000 feet. Plant to 6 feet high; inflorescence reddish-pink.

249190. BEGONIA sp.

Col. No. 18816. Base of Serra do Mar, Parana. Elevation 3,000 feet. Plant to 4 feet high; flowers white.

249191. BEGONIA sp.

Col. No. 18817. Cuadro Barros, foot of Serra do Mar. Elevation 3,000 feet. Plant wide-spreading to 5 feet high; leaves large, deep green above and rusty-brown beneath.

249192. BEGONIA sp.

Col. No. 18832. Near Curitiba, Parana. Elevation 3,000 feet. Plant 2.5 feet high; flowers white.

249193. BEGONIA sp.

Col. No. 18835. (No field note.)

249194. BEGONIA sp.

Col. No. 18851. Corupa, Santa Catharina. Elevation 1,600 feet. Plant to four feet high.

249195. BEGONIA sp.

Col. No. 18859. Corupa, Santa Catharina. Elevation 1,600 feet. Plant to four feet high; flowers white.

249196. BEGONIA sp.

Col. No. 18859. Rio Paulo, Corupa, Santa Catharina. Elevation 1,600 feet. Plant to five feet high; leaves purplish-red beneath.

249197. BEGONIA sp.

Col. No. 18910. Riberao do Rancho, Corupa, Santa Catharina. Plant to four feet high.

249198. BEGONIA sp.

Col. No. 18917. Corupa, Santa Catharina. Elevation 200 feet. Plant two feet high; flowers terminal.

249199. BEGONIA sp.

Col. No. 18960. Above Taquara, Rio Grande do Sul. Elevation 1,600 feet. Plant to six feet high; inflorescence deep pink.

249200. BEGONIA sp.

Col. No. 18980. Porto Alegre, Rio Grande do Sul. Plant to 16 inches high; flowers pink.

249201. GREVILLEA sp. Proteaceae.

Col. No. 18481. Instituto Agronomico, Campinas, Sao Paulo. Wide-spreading shrub to 10 feet high; flowers reddish-pink.

249202. RHYNCHOSIA PHASEOLOIDES (Sw.) DC. Fabaceae.

Col. No. 18449. Instituto Agronomico, Campinas, Sao Paulo. Herbaceous plant with red and black seeds.

249203. JUSSIAEA CAPAROSA Cambess. Onagraceae.

Col. No. 18946. Fazenda do Arroyo, Osorio, Rio Grande do Sul. Elevation 35 feet. Shrub to 6 feet high; flowers yellow.

249204. JUSSIAEA LONGIFOLIA DC.

Col. No. 18756. Serra do Mar, Parana. Elevation 3,300 feet. Herb to 4 feet high; flowers yellow.

249205 and 249206. JUSSIAEA SERICEA Cambess.

Col. No. 18755. Near Curitiba, Parana. Herb to 3 feet high; flowers yellow.

249205. Col. No. 18755. Near Curitiba, Parana. Herb to 3 feet high; flowers yellow.

249206. Col. No. 18763. Pirquara, Serra do Mar, Parana. Elevation 3,600 feet. Straggly herb to 2.5 feet high; leaves gray, small.

249207. MORUS ALBA L. Moraceae.

White mulberry.

From Greece. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 11, 1958.

Col. No. 17094. Simonopetra, Athos. Elevation 1,000 feet. Fruit sweet, white.

249208 and 249209. CYDONIA OBLONGA Mill. Malaceae.

Quince.

From Greece. Cuttings presented by Salonika University Farm, Salonika. Received July 14, 1958.

249208. 'Giant'.

249209. 'Meliforme'.

249210. ABUTILON STRIATUM Dicks. Malvaceae.

From Great Britain. Cuttings presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received July 14, 1958.

249211 to 249231.

From India. Seeds presented by the Soil Conservation Advisor, New Delhi. Received July 15, 1958.

Localities given are sources of material.

249211 to 249216. DICHANTHIUM ANNULATUM (Forsk.) Stapf Poaceae.

Palwan.

249211. No. 1. Economic Botanist, Government of Bombay, Poona.

249212. No. 2. Racecourse, Rajkot.

249213. No. 3. Bungalow 8, Rajkot.

249214. No. 4. Racecourse, Rajkot.

249215. No. 5. Dhrol Reserve grassland.

249216. No. 6. Kuvadva Village. (Rajkot taluka).

248217. EREMOPOGAN FOVEOLATUS (Del.) Stapf. Poaceae.
Racecourse, Rajkot.

249218. CHRYSOPOGON MONTANUS Trin. Poaceae.
Dhrol Reserve grassland.

249219. *ISCHAEMUM PILOSUM* (Klein ex Willd.) Wight Poaceae.
Racecourse, Rajkot.
249220. *CENCHRUS CILIARIS* L. Poaceae. Buffelgrass.
249221. *SEHIMA NERVOSUM* (Rottl.) Stapf Poaceae.
- 249222 to 24931. From Poona, Bombay.
249222. *ACACIA* sp. Mimosaceae.
'Koo-Babul'.
249223. *ALYICARPUS RUGOSUS* (Willd.) DC. Fabaceae.
249224. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Poaceae. Palwan.
249225. *CENTROSEMA PUBESCENS* Benth. Fabaceae.
249226. *CHLORIS GAYANA* Kunth Poaceae. Rhodesgrass.
249227. *INDIGOFEA GLANDULOSA* Wendl. Fabaceae. Indigo.
249228. *PANICUM ANTIDOTALE* Retz. Poaceae. Blue panicgrass.
249229. *CENCHRUS CILIARIS* L. Poaceae. Buffelgrass.
249230. *PENNISSETUM POLYSTACHYON* (L.) Schult. Poaceae.
249231. *SESBANIA SESBAN* (L.) Merr. Fabaceae.
'Shevari'.

249232 to 249284. *LINUM USITATISSIMUM* L. Linaceae.
Common flax.

From Hungary. Seeds presented by the Collectio Agrobotanicus Institute, Agriculturae Experimentalis, Tapioszele. Received July 16, 1958.

249232. No. 135. 'Ausztraliai Olajlen'.
249233. No. 91. 'Beta No. 201'.
249234. No. 152. 'Chaurra Olajlen'.
249235. No. 75. 'Crown Canada'.
249236. No. 119. 'Daehnfeldt'.
249237. No. 120. 'Daehnfeldt 369'.
249238. No. 45. 'Edkendorfi'.
249239. No. 52. 'Fivel'.
249240. No. 53. 'Formosa'.
249241. No. 111. 'Galego'.
249242. No. 154. 'Guerandi'.
249243. No. 132. 'Hendi'.
249244. No. 223. 'Hindi'.
249245. No. 54. 'Hollandia'.
249246. No. 168. 'Horal'.
249247. No. 95. 'Hosszuhati N'.
249248. No. 94. 'Hosszuhati Tajfajta'.
249249. No. 100. 'Hosszuhati 7016'.
249250. No. 101. 'Hosszuhati 7022'.
249251. No. 103. 'Hosszuhati 8401'.
249252. No. 200. 'H 200. 'H 39/a La Plata'.
249253. No. 199. 'H 39/b La Plata'.
249254. No. 187. 'Karnobat 3'.
249255. No. 188. 'Karnobat 4'.

- 249256. No. 189. 'Karnobat 5'.
- 249257. No. 190. 'Karnobat 6'.
- 249258. No. 224. 'Kokroz'.
- 249259. No. 63. 'Kriisztina'.
- 249260. No. 157. 'La Previzion'.
- 249261. No. 82. 'Leucanthum'.
- 249262. No. 47. 'Lusatia'.
- 249263. No. 48. 'Mathis'.
- 249264. No. 79. 'Mapun'.
- 249265. No. 49. 'Martin'.
- 249266. No. 207. 'Martoni I.6'.
- 249267. No. 228. 'Mussel'.
- 249268. No. 55. 'Percello'.
- 249269. No. 23. 'Pernau'.
- 249270. No. 112. 'Primavera'.
- 249271. No. 160. 'Publicion Facultad'.
- 249272. No. 226. 'Racaciuni' × 'Giza'.
- 249273. No. 169. 'Record'.
- 249274. No. 57. 'Rmorandt'.
- 249275. No. 229. 'Saligny' × 'Hindi'.
- 249276. No. 71. 'Skot Rostlen'.
- 249277. No. 206. 'Soctoss Leuchte'.
- 249278. No. 113. 'Sziciliai Olajlen'.
- 249279. No. 85. 'Texala'.
- 249280. No. 86. 'Textil Flax'.
- 249281. No. 124. 'Torok 4'.
- 249282. No. 182. 'Torok 10'.
- 249283. No. 195. 'Torok 11'.
- 249284. No. 87. 'Triumph'.

249285 to 249419.

From Brazil and Argentina. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 16, 1958.

Collected in Brazil unless otherwise noted.

249285. *CISSUS* sp. Vitaceae.

Col. No. 18646. Sao Paulo. Elevation 850 meters. Climber; fruits roundish, greenish-blue.

249286. *DOLICHOS LABLAB* L. Fabaceae.

Hyacinth-bean.

Col. No. 18450. Instituto Agronomico, Campinas. Leaf veins dark purplish; flowers purplish-blue.

249287. *IPOMOEA HEDERFOLIA* L. Convolvulaceae.

Morning-glory.

Col. No. 19086. Instituto Agronomico, Campinas.

249288. *RUBUS* sp. Rosaceae.

Col. No. 18814. Campinas, Serra do Mar, Parana. Elevation 950 meters. Fruit green-colored when ripe.

249289. *ARDISIA CRENATA* Sims Myrsinaceae.

Col. No. 18883. Riberao do Rancho, Corupa, Santa Catharina. Elevation 2,200 feet. Shrub to nine feet high; fruit reddish-pink.

249290. *ASPIDOSPERMA POLYNEURON* Muell.-Arg. Apocynaceae.

Col. No. 19019. Rio Clara, Sao Paulo. Timber tree to 100 feet high.

249291. *BAUHINIA PRUINOSA* Vogel. Caesalpiniaceae.

Col. No. 18936. Fazenda Arroyo, Osorio, Rio Grande do Sul. Wide-spreading shrub; flowers large, white.

249292. *BAUHINIA* sp.

Col. No. 19026. Ilhabela, Sao Paulo. Elevation 35 feet. Tree to 20 feet high; flowers white.

249293. *BEGONIA* sp. Begoniaceae.

Col. No. 18862. Rio Paulo, Corupa, Santa Catharina. Elevation 1,600 feet. Plant to five feet high; inflorescent deep pink.

249294. *BLEPHAROCALYX TWEEDII* Berg. Myrtaceae.

Col. No. 18997. 'Anacahuíta'. Facultad de Agronomía y Veterinaria, Buenos Aires, Argentina. Tree to 15 feet high; berries red.

249295. *BROMELIA FASTUOSA* Lindl. Bromeliaceae.

Col. No. 18937. 'Gravata'. Fazenda do Arroyo, Osorio, Rio Grande do Sul. Elevation 35 feet. Leaves dark green, to 5 feet long; fruits pale orange, edible.

249296. *BUNCHOSIA ARMENIACA* (Cav.) DC. Malpighiaceae.

Col. No. 18218. Botanical Garden, Rio de Janeiro. Slender shrub to 10 feet high.

249297. *BUTIA YATAY* (Mart.) Becc. **Phoenixiaceae. Palm.**

Col. No. 19013. 'Yatay'. Ministry of Agriculture, Buenos Aires, Argentina. Tree to 30 feet high, said to be frost resistant.

249298. *CAESALPINIA LEIOSTACHYA* (Benth.) Ducke. Caesalpiniaceae.

Col. No. 18309. Horto Florestal, Sao Paulo. Erect tree to 55 feet high; bark dark gray, with white patches.

249299. *CAESALPINIA SPINOSA* (Molina) O. Kuntze.

Col. No. 18999. 'Tara de Boliva'. Facultad de Agronomía y Veterinaria, Buenos Aires, Argentina. Small to medium-sized tree.

249300. *CARAPA GUIANENSIS* Aubl. **Meliaceae. Crabwood-tree.**

Col. No. 18169. Botanical Garden, Rio de Janeiro. Medium-sized to tall tree; seeds rich in oil.

249301. *CASSIA RETICULATA* Willd. **Caesalpiniaceae. Senna.**

Col. No. 18424. Horto Florestal, Sao Paulo. Medium size tree.

249302. *CASSIA* sp.

Col. No. 18792. 'Fedegoso'. Mandasara, Parana. Elevation 3,000 feet. Tree or shrub to 6 feet high; seed pods almost black.

249303. *CASSIA* sp.

Col. No. 18932. Corupa, Santa Catharina. Elevation 2,000 feet. Shrub to 15 feet high; foliage dense.

249304. *CENTROSEMA PLUMIERI* (Turp.) Benth. Fabaceae.

Col. No. 18154. Botanical Garden, Rio de Janeiro. Climber; flowers deep-purplish in center, margin creamy-white.

249305. *COLA ACUMINATA* (Beauv.) Schott & Endl. Sterculiaceae.

Col. No. 18181. Botanical Garden, Rio de Janeiro. Tree to 15 feet high; seeds dark purplish-brown when ripe.

249306. *CORDIA GOELDIANA* Huber. Boraginaceae.

Col. No. 18281. 'Frei Jorge'. Botanical Garden, Rio de Janeiro. Tree to 12 feet high; fruits pale green; pulp edible.

249307. *CORDYLINE RUBRA* Hueg. Liliaceae.

Col. No. 18839. 'Bruantii'. Santa Catharina. Plant to 5 feet high; leaves dark green; margins purplish-red.

249308. *COURSETIA VIRGATA* DC. Fabaceae.

Col. No. 19000. Facultad de Agronomía y Veterinaria, Buenos Aires, Argentina. Shrub to 6 feet high; flowers yellow; pods dark brown. Seeds may be toxic.

249309. *DATURA ARBOREA* L. Solanaceae.

Floripondio.

Col. No. 18504. Instituto de Botanica, Sao Paulo. Shrub to 8 feet high; flowers pinkish.

249310. *DURANTA REPENS* L. Verbenaceae.

Skyflower.

Col. No. 18452. Instituto Agronomico, Campinas, Sao Paulo. Shrub to 10 feet high; flowers lilac-colored.

249311. *ERYTHRINA CRISTA-GALLI* L. Fabaceae.

Coraltree.

Col. No. 18513. 'Corticeira'. Instituto de Botanico, Sao Paulo. Elevation 1,000 feet. Tree to 12 feet high, wide-spreading; flowers deep pink.

249312. *ERYTHRINA FALCATA* Benth.

Coraltree.

Col. No. 18643. 'Mulungu Suina'. Sao Paulo. Elevation 2,600 feet. Shrub or small tree to 10 feet high; flowers orange-yellow to reddish, in large clusters.

249313. *ERYTHRINA MULUNGU* Mart.

Col. No. 18312. 'Suina Mulungu'. Horto Florestal, Sao Paulo. Elevation 3,000 feet. Tree to 60 feet high, erect; flowers orange-red, in large clusters.

249314 and 249315. *ERYTHRINA SPECIOSA* Andr.

Coraltree.

249314. Col. No. 18477. 'Mulungu Suina'. Instituto Agronomico, Campinas, Sao Paulo. Tree to 12 feet high; flowers red, in terminal spikes.

249315. Col. No. 18637. Sao Paulo. Elevation 2,600 feet. Tree to 12 feet high; flowers bright scarlet.

249316. *EUPHASSA INCANA* I. M. Johnston Proteaceae.

Col. No. 18294. 'Carvalho Nacional'. Horto Florestal, Sao Paulo. Elevation 2,900 feet. Tree to 45 feet high; foliage rust-colored when new, turning dark green.

249317 and 249318. *EUTERPE EDULIS* Mart. Phoenicaceae.

Parapalm.

249317. Col. No. 18313. 'Palmito Branco'. Horto Florestal, Sao Paulo. Elevation 2,800 feet. Tree to 20 feet high. Heart of palm is cooked as a vegetable and used in salad.

249318. Col. No. 18942. 'Jissara'. Fazenda do Arroyo, Osorio, Rio Grande do Sul. Elevation 17 feet. Tree to 25 feet high.

249319 and 249320. *GEONOMA SCHOTTIANA* Mart. Phoenicaceae.

Palm.

249319. Col. No. 18559. Alto da Serra, Paranapiacaba, Sao Paulo. Tree to eight feet high; fronds slender, slightly arcuate.

249320. Col. No. 18935. Fazenda do Arroyo, Osorio, Rio Grande do Sul. Elevation 17 feet. Tree to 12 feet high.

249321. *GOURLIEA DECORTICANS* Gillies Fabaceae.

Col. No. 18998. Facultad de Agronomía y Veterinaria, Buenos Aires, Argentina. Tree to 60 feet high; crown rounded.

249322 and 249323. *GREVILLEA HILLIANA* F. Muell. Proteaceae.

249322. Col. No. 19020. Rio Clara, Sao Paulo. Shrub or small tree.

249323. Col. No. 19064. Sao Paulo. Shrub to 12 feet high.

249324. *HEVEA SPRUCEANA* (Benth.) Muell.-Arg. Euphorbiaceae.

Col. No. 19093. 'Seringueira'. Botanical Garden, Rio de Janeiro. Tree of medium size, yielding an inferior quality of Para rubber.

249325 and 249326. *IPOMOEA HORSFALLIAE* Hook. Convolvulaceae.

Morning glory.

249325. Col. No. 19085. Instituto Agronomico, Campinas, Sao Paulo. Climber.

249326. Col. No. 19085A. Instituto Agronomico, Campinas, Sao Paulo.

249327. *JUSSIAEA BULLATA* Hass. Onagraceae.

Col. No. 18943. 'Minmana'. Osorio, Rio Grande do Sul. Elevation 35 feet. Plant to 4.5 feet high; flowers bright yellow, 4-merous; flowers throughout most of the year.

249328 and 249329. *LICANIA TOMENTOSA* Fritsch Amygdalaceae.

249328. Col. No. 18285. Botanical Garden, Rio de Janeiro. Tree to 70 feet high.

249329. Col. No. 18285A. Botanical Garden, Rio de Janeiro.

249330. *LUCUMA PSAMMOPHILA* var. *XESTOPHYLLA* Miq. Sapotaceae.

Col. No. 18210. Botanical Garden, Rio de Janeiro. Medium size tree; fruits globular, yellow; pulp edible.

249331. *MAMMEA AMERICANA* L. Clusiaceae.

Mamey.

Col. No. 18280. 'Abrico do Para'. Botanical Garden, Rio de Janeiro. Tree to 50 feet high; seeds imbedded in a sweet, edible pulp.

249332. *MIMOSA SCABRELLA* Benth. Mimosaceae.

Col. No. 18290. 'Bracatinga'. Horto Florestal, Sao Paulo. Tree to 60 feet high.

249333. *NECTANDRA PULCHRA* Ekm. & O. C. Schmidt Lauraceae.

Col. No. 18291. 'Canela Parda'. Tree to 25 feet high; flowers creamy-white.

249334. *NEOMARICA CAERULEA* Sprague Iridaceae.

Col. No. 18553. 'Marica'. Forest, Alta da Serra, Parana, Sao Paulo. Flowers lavender-blue, very ornamental.

249335. *OCIMUM SELLOI* Benth. Menthaceae.

Col. No. 18207. 'Alpavaga'. Botanical Garden, Rio de Janeiro. Wide-spreading shrub to 7 feet high; crushed leaves have a spicy odor.

249336. *ORMOSIA ARBOREA* (Vell.) Harms Fabaceae.

Col. No. 18275. 'Tento Grande'. Botanical Garden, Rio de Janeiro. Tree to 45 feet high; pods 1-seeded; seeds red and black.

249337. *PANDANUS BONINENSIS* Warb. Pandanaceae.

Col. No. 18163. Botanical Garden, Rio de Janeiro. Plants to 18 feet high; fruits partially salmon-pink when ripe.

249338. *PASSIFLORA EDULIS* Sims Passifloraceae.

Purple granadilla.

Col. 18274. 'Maracuja'. Botanical Garden, Rio de Janeiro. Climber; flowers deep pink; fruit edible.

249339. *PASSIFLORA QUADRANGULARIS* L.

Giant granadilla.

Col. No. 18827. 'Maracuja Acu'. Cuatro Barras, foot of Serra do Mar, Parana. Elevation 3,000 feet. Fruits large, ovoid, yellowish; pulp sweet, edible, used in fruit juices.

249340. *PASSIFLORA* sp.

Col. No. 18828. 'Maracuja Preta'. Cuatro Barras, foot of Serra do Mar, Parana. Elevation 3,000 feet. Fruits dark purplish, globular.

249341. *PASSIFLORA* sp.

Col. No. 18829. 'Maracuya Amarela'. Cuatro Barras, Serra do Mar, Parana. Elevation 3,000 feet. Fruits small, round, yellow; pulp edible.

249342. *PAULLINIA CUPANA* Kunth ex H.B.K. Sapindaceae.

Col. No. 18175. 'Guarana'. Botanical Garden, Rio de Janeiro. Shrub to 6 feet high, becoming scandent.

249343. *PLEOMELE FRAGRANS* (L.) Salisb. Liliaceae.

Col. No. 18846. Corupa, Santa Catharina. Plant to 2 feet high; leaves light green, margin yellowish.

249344 to 249347. *PSIDIUM LITTORALE* Raddi Myrtaceae. **Strawberry guava.**

249344. Col. No. 18551. 'Araca'. Forest, Alta da Serra, Paranapecaba, Sao Paulo. Shrub or small tree to 6 feet high; fruits yellowish, edible.

249345. Col. No. 18640. 'Araca'. Sao Paulo. Elevation 2,700 feet. Shrub to 5 feet high; fruits yellowish to dark brown.

249346. Col. No. 18795. 'Araca do Campo'. Piraquara, Serra do Mar, Parana. Elevation 5,000 feet. Shrub to 5 feet high, wide-spreading.

249347. Col. No. 18801. 'Aracu'. Piraquara, Serra do Mar, Parana. Elevation 3,000 feet. Tree to 9 feet high; fruits yellow, edible.

249348. *PSYCHOTRIA* sp. Rubiaceae.

Col. No. 18601. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 4,000 feet. Shrub 2.5 feet high.

249349. *PSYCHOTRIA* sp.

Col. No. 18610. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 4,000 feet. Shrub to 6 feet high; fruits purplish-brown.

249350. *PSYCHOTRIA* sp.

Col. No. 18611. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 4,000 feet. Slender shrub to 5 feet high, in clumps; stems yellowish-green; fruits bluish when ripe.

249351. *PSYCHOTRIA* sp.

Col. No. 18612. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 4,000 feet. Shrub to 5 feet high; fruits dark brown.

249352. *RAUVOLFIA REFLEXA* Teijam & Binn. Apocynaceae. **Devilpepper.**

Col. No. 18162. Botanical Garden, Rio de Janeiro. Tree to 15 feet high; small amount of latex present; mature fruits purplish-blue.

249353. *RAUVOLFIA TERNIFOLIA* H. B. K. **Devilpepper.**

Col. No. 18143. Botanical Garden, Rio de Janeiro. Shrub to 10 feet high; branches wide-spreading; small amount of latex present; fruits globular, pale-reddish, lustrous when ripe. Said to contain an alkaloid.

249354. *ROLLINIA* sp. Annonaceae.

Col. No. 18698. 'Araticum'. Instituto Florestal Paulista, Rio Clara, Sao Paulo. Tree to 20 feet high; fruit sweet, edible.

249355. *ROLLINIA MUCOSA* (Jacq.) Baillon

Col. No. 18277. 'Biriba'. Botanical Garden, Rio de Janeiro. Tree small; fruits pale yellow; pulp white, edible.

249356. *ROYSTONEA OLERACEA* (Jacq.) O. F. Cook Phoenicaceae.

Royal Cuban palm.

Col. No. 19100. 'Palmeira Real'. Botanical Garden, Rio de Janeiro. Tall, frequently planted street tree.

249357. *SAPINDUS DIVARICATUS* Willd. Sapindaceae.

Col. No. 18311. 'Sabao de Soldado'. Horto Florestal, Sao Paulo. Elevation 3,000 feet. Medium size tree; crown wide-spreading.

249358. *SCHIZOLOBIUM PARAHYBUM* (Vell.) Blake Caesalpiniaceae.

Bacurubu.

Col. No. 18300. 'Guapuruvu'. Horto Florestal, Sao Paulo. Elevation 3,000 feet. Tree to 80 feet high; trunk greenish; bark smooth; flowers lustrous golden.

249359. *SOLANUM* sp. Solanaceae.

Col. No. 18138. Botanical Garden, Rio de Janeiro. Wide-spreading shrub to 10 feet high; flowers purplish-blue; fruits yellow.

249360. *STEPHANOTIS FLORIBUNDA* Brongn. Asclepiadaceae.

Col. No. 18456. 'Flor de Cera'. Instituto Agronomico, Campinas, Sao Paulo. Woody vine; flowers white, fragrant, waxy.

249361. *STRELITZIA PARVIFOLIA* Dryand. Musaceae.

Col. No. 18490. Instituto Agronomico, Campinas. Tree to 25 feet high; leaves to 5 feet long, arcuate.

249362. *SYZYGIIUM CUMINI* (L.) Skeels Myrtaceae.

Jambolan.

Col. No. 18164. 'Jambolao'. Botanical Garden, Rio de Janeiro. Medium-size tree; fruit edible.

249363. *TECOMA HEPTAPHYLLA* A. Rich. Bignoniaceae.

Col. No. 18301. 'Toe Roxo'. Horto Florestal, Sao Paulo. Elevation 3,000 feet. Tree to 25 feet high; bark grayish, smooth; flowers pink to rose-purple.

249364. *THEOBROMA GRANDIFLORA* (Willd.) Schum. Sterculiaceae.

Col. No. 19090. 'Cupuassii'. Botanical Garden, Rio de Janeiro. Tree to 20 feet high; fruit to 10 inches long, ovoid, rusty-brown.

249365 and 249366. *TIBOUCHINA ASPERA* var. *ASPERIMA* Cogn. Melastomataceae.

249365. Col. No. 18952. Fazenda do Arroyo, Osorio, Rio Grande do Sul. Elevation 33 feet. Small shrub; flowers deep lilac-colored.

249366. Col. No. 18953. Fazenda do Arroyo, Osorio, Rio Grande do Sul. Shrub to 2.5 feet high; flowers lilac-colored.

249367. *TIBOUCHINA BOLIVARENSIS* Gleason

Col. No. 19046. Instituto Botanico, Sao Paulo.

249368. *TIBOUCHINA CLINOPODIFOLIA* Cogn.

Col. No. 18809. Piraquara, Serra do Mar, Parana. Elevation 3,000 feet. Scandent or creeping herb, to 16 inches high; flowers lilac-colored.

249369 to 249373. *TIBOUCHINA GRANULOSA* (Desr.) Cogn.

249369. Col. No. 18310. 'Quaresmeira'. Horto Florestal, Sao Paulo. Tree to 45 feet high; crown dense, rounded; flowers vivid purple mass, January to early March.

249370. Col. No. 18482. 'Quaresmeira'. Instituto Agronomico, Campinas. Tree to 30 feet high; flowers purplish.

249371. Col. No. 18483. 'Quaresmeira'. Instituto Agronomico, Campinas. Small to medium-sized tree; flowers lighter purple than P.I. 249370.

249372. Col. No. 18509. 'Quaresmeira'. Edge of Lagoon, Instituto de Botanica, Sao Paulo. Tree medium size; flowers purplish, in large clusters.

249373. Col. No. 18716. 'Quaresmeira Roxa'. Horto Florestal, Cantareira, Sao Paulo. Tree to 45 feet high; flowers clustered, deep purplish.

249374. *TIBOUCHINA HOLOSERICEA* Baill.

Col. No. 18979. Porto Alegre, Rio Grande do Sul. Elevation 17 feet. Wide-spreading shrub or small tree to 10 feet high; flowers purplish.

249375. *TIBOUCHINA* sp.

Col. No. 19048. Instituto Botanico, Sao Paulo.

249376 and 249377. *TIBOUCHINA MARTIALIS* Cogn.

249376. Col. No. 18785. Campinas Grande do Sul, Serra do Mar, Parana. Elevation 3,000 feet. Shrub to 12 inches high; stems round with small recurved spines; fruits light green.

249377. Col. No. 18786. Campinas Grande do Sul, Serra do Mar, Parana. Elevation 3,000 feet. Shrub to 3 feet high.

249378. *TIBOUCHINA MULTICEPS* Cogn.

Col. No. 18947. Fazenda do Arryo, Osorio Rio Grande do Sul. Elevation 17 feet. Shrub to 6 feet high; flowers deep lilac-colored.

249379 to 249383. *TIBOUCHINA MUTABILIS* Cogn.

249379. Col. No. 18557. Alto da Serra, Parapidcaba, Sao Paulo. Tree to 30 feet high; flowers purple to white.

249380. Col. No. 18635. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 4,200 feet. Tree to 10 feet high, wide-spreading, flowers purplish to white.

249381. Col. No. 18647. 'Quaresmeira'. Chacara Rio Bonito, Sao Paulo. Elevation 2,600 feet. Shrub to 15 feet high; flowers white to rosy-pink.

249382. Col. No. 18726. Serra Sao Luiz, Parana. Elevation 3,300 feet. Shrub to 9 feet high; flowers white to purple.

249383. Col. No. 18800. Campininha, Piraquara, Parana. Elevation 3,000 feet. Shrub or small tree to 12 feet high; flowers white to lilac. Said to be frost-hardy.

249384. *TIBOUCHINA URSINA* Cogn.

Col. No. 18746. Pinhaes, near Curitiba, Parana. Elevation 3,000 feet. Herb to 18 inches high.

249385. *TIBOUCHINA URVILLEANA* Cogn.

Col. No. 19045. Instituto Botanico, Sao Paulo.

249386. *TIBOUCHINA VIOLACEA* Cogn.

Col. No. 18485. 'Quaresmeira'. Instituto Agronomico, Campinas, Sao Paulo. Shrub to 12 feet high; flowers light to deep pink.

249387 and 249388. *TIBOUCHINA WEDDELLII* Cogn.

249387. Col. No. 18741. Boraceia, Sao Paulo. Elevation 2,600 feet. Shrub to 12 feet high; flowers deep purple, ornamental.

249388. Col. No. 19049. Instituto Botanico, Sao Paulo.

249389. *TIBOUCHINA* sp.

Col. No. 18148. 'Quaresma'. Botanical Garden, Rio de Janeiro. Wide-spreading shrub to 8 feet high; flowers pale-purplish; ripe fruits light brown, pubescent.

249390. *TIBOUCHINA* sp.

Col. No. 18221. 'Quaresma'; 'Trebuchina'. Petropolis, Rio de Janeiro. Elevation 2,500 feet. Tree or shrub to 20 feet high; flowers light purple.

249391. *TIBOUCHINA* sp.

Col. No. 18550. 'Quaresmeira'. Alto da Serra, Parapaniacaba, Sao Paulo. Shrub to 12 feet high; flowers purple.

249392. *TIBOUCHINA* sp.

Col. No. 18567. 'Quaresmeira'. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 3,500 feet. Shrub to 4 feet high; flowers light purple.

249393. TIBOUCHINA sp.

Col. No. 18569. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 3,500 feet. Slender shrub to 6 feet high; flower calyx pinkish-red; fruits purplish-blue when mature.

249394. TIBOUCHINA sp.

Col. No. 18582. 'Quaresmeira'. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 5,000 feet. Shrub to 10 feet high; flowers large, purplish.

249395. TIBOUCHINA sp.

Col. No. 18602. 'Quaresmeira'. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 4,000 feet. Tree to 15 feet high; flowers large, deep purple.

249396. TIBOUCHINA sp.

Col. No. 18623. Serra da Bocaina, Sao Paulo. Elevation 5,200 feet. Shrub to 5 feet high; stems purplish-brown; leaves dark green, pubescent.

249397. TIBOUCHINA sp.

Col. No. 18632. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 3,500 feet. Tall shrub; flowers large, dark-purplish.

249398. TIBOUCHINA sp.

Col. No. 18636. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Tree to 15 feet high; flowers purplish.

249399. TIBOUCHINA sp.

Col. No. 18638. 'Quaresmeira Roxa'. Alta da Serra, Paranapiacaba, Sao Paulo. Elevation 2,600 feet. Tree to 15 feet high; flowers purplish.

249400. TIBOUCHINA sp.

Col. No. 18642. 'Quaresmeira Granulosa Roxa'. Sao Paulo. Elevation 2,600 feet. Tree to 25 feet high.

249401. TIBOUCHINA sp.

Col. No. 18719. Serra Sao Luiz, Parana. Elevation 3,300 feet. Shrub to 3 feet high; leaves very small; flowers purplish.

249402. TIBOUCHINA sp.

Col. No. 18723. Serra Sao Luiz, Parana. Elevation 3,400 feet. Shrub to 12 inches high; flowers deep lilac.

249403. TIBOUCHINA sp.

Col. No. 18734. Slope of Serra Sao Luiz, Parana. Elevation 3,300 feet. Shrub to 30 inches high; leaves small.

249404. TIBOUCHINA sp.

Col. No. 18737. Curitiba, Parana. Elevation 3,000 feet. Shrub to 24 inches high; flowers pale lavender.

249405. TIBOUCHINA sp.

Col. No. 18740. 'Quaresmeira'. Fazenda Bonita, Serra da Bocaina, Sao Paulo. Elevation 3,300 feet. Shrub or small tree; flowers lilac.

249406. TIBOUCHINA sp.

Col. No. 18742. 'Quaresmeira'. Serra da Bocaina, Sao Paulo. Elevation 3,400 feet. Shrub to 12 feet high; flowers purplish; fruits light brown; calyx large.

249407. TIBOUCHINA sp.

Col. No. 18743. Slopes of Serra da Bocaina, Sao Paulo. Small tree; flowers large, purplish.

249408. TIBOUCHINA sp.

Col. No. 18744. Slopes of Serra da Bocaina, Sao Paulo. Elevation 3,300 feet. Tall shrub; flowers purplish.

249409. TIBOUCHINA sp.

Col. No. 18790. Campinas Grande do Sul, Serra do Mar, Parana. Herb or subshrub to 18 inches high; stems and fruit covered with light brown pubescens; flowers purplish.

249410. TIBOUCHINA sp.

Col. No. 18918. Riberao do Rancho, Corupa, Santa Catharina. Elevation 1,900 feet. Straggly shrub to 6 feet high.

249411. TIBOUCHINA sp.

Col. No. 18919. 'Tinhorao'. Riberao do Rancho, Corupa, Santa Catharina. Elevation 2,200 feet. Tree to 20 feet high; flowers lilac.

249412. TIBOUCHINA sp.

Col. No. 18931. Riberao do Rancho, Santa Catharina. Tree to 12 feet high; flowers dark red.

249413. VITEX MONTEVIDENSIS Cham. Verbenaceae.

Col. No. 18555. 'Tarumao'. Alto da Serra, Paranaapiacaba, Sao Paulo. Tree to 15 feet high; crown flat; fruits dark purplish.

249414. MOMORDICA CHARANTIA L. Cucurbitaceae.**Balsam-pear.**

Col. No. 18139. Botanical Garden, Rio de Janeiro. Climber; flowers yellow; fruits large, deep-yellow.

249415. (Undetermined.)

Col. No. 18554. Alta da Serra, Paranaapiacaba, Sao Paulo. Small shrub; crown dense; leaves small, dark green; fruits small, pinkish-red when ripe.

249416. (Undetermined.)

Col. No. 18590. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 3,700 feet. Shrub; flowers purplish to pink.

249417. (Undetermined.)

Col. No. 18784. Aracatuba, Serra do Mar, Parana. Elevation 2,800 feet. Shrub to 30 inches high; fruits dark, almost black.

249418. (Undetermined.)

Col. No. 18819. 'Tomate do Japao'. Cuatro Barras, Serra do Mar, Parana. Elevation 2,800 feet. Wide-spreading bush to 8 feet high; fruits ovoid, deep pink, edible; seeds small, flat.

249419. TIBOUCHINA MUTABILIS Cogn. Melastomataceae.

Col. No. 18484.

249420. DUBOISIA HOPWOODII F. Muell. Solanaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received July 21, 1958.

Collected in the Mt. Wege area in 1955. Received from the Northern Territory Herbarium, Alice Springs.

249421. DEGENERIA VITIENSIS I. W. Bail. & A. C. Sm. Degeneriaceae.

From Fiji. Seeds presented by the Department of Agriculture, Suva. Received July 21, 1958.

Grown at Naduna.

249422. GOSSYPIUM (hybrid). Malvaceae.**Cotton.**

From Colombia. Seeds presented by the Instituto Colombiano de Antropologia, Cartagena. Received July 22, 1958.

From the Cuna Indians, headwaters of Rio Arquia, Darien, Choco.

249423. MAHONIA JAPONICA Thunb. (DC.) Berberidaceae.

From Japan. Seeds presented by the Kojuen Nursery, Angyo. Received July 21, 1958.

'Hiiragi-nanten'.

249424 to 249525.

From Brazil. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 22, 1958.

From the Botanical Garden, Rio de Janeiro, except where otherwise noted.

249424. ABROMA AUGUSTA L. f. Sterculiaceae.

Col. No. 18048. Tree or shrub to 10 feet high.

249425. ABRUS PRECATORIUS L. Fabaceae.

Rosarypea.

Col. No. 18007. 'Jequiriti'. Woody climber.

249426. ADENANTHERA PAVONINA L. Mimosaceae.

Redbead.

Col. No. 18004. 'Tento Carolina'. Tree to 36 feet high.

249427. ANNONA SQUAMOSA L. Annonaceae.

Sugar-apple.

Col. No. 18051. 'Fruta del Conde'. Tree to 12 feet high.

249428. ANTHURIUM sp. Araceae.

Col. No. 18645. Chacara Rio Bonito, Sao Paulo. Elevation 850 feet.

249429. ARAUCARIA ANGUSTIFOLIA (Bertol.) Kuntze Pinaceae.

Col. No. 18487. 'Pinhero do Parana'. Instituto Agronomico, Campinas. Tree to 70 feet high.

249430. ARAUCARIA BIDWILLII Hook.

Bunya-bunya.

Col. No. 18054. 'Bunia-Bunia'. Tall, robust tree.

249431. ARCHONTOPHOENIX ALEXANDRAE H. Wendl. & Drude Phoenicaceae.

Palm.

Col. No. 18098. Tree to 55 feet high; fronds few.

249432. LOROMA CUNNINGHAMIANA (Wendl.) O. F. Cook Phoenicaceae.

Col. No. 18101. Tree to 25 feet high; trunk slender; crown open; fronds arcuate, few.

249433. ARECA CATECHU L. Phoenicaceae.

Betel palm.

Col. No. 18091. 'Norz de Betel'. Slender palm to 54 feet high; trunk tapering.

249434. ARECA TRIANDRA Roxb.

Palm.

Col. No. 18078. Tree to 20 feet high.

249435. ARECASTRUM ROMANZOFFIANUM (Cham.) Becc. Phoenicaceae.

Pindo palm.

Col. No. 18076. 'Geriva'. Tree to 15 feet high; fronds arcuate.

249436. ARISTOLOCHIA BRASILIENSIS var. **GALEATA** (Mart. & Zucc.) Hoehne Aristolochiaceae.

Col. No. 18011. 'Sangue de Cristo'. Woody vine with reddish exudation from bark.

249437. ARISTOLOCHIA CYMBIFERA Mart. & Zucc.

Col. No. 18013. 'Jarrinha'. Woody vine; bark corky, grows best in shade.

249438. ARISTOLOCHIA GALEATA Mart. & Zucc.

Col. No. 18014. Thick woody vine.

249439. ARISTOLOCHIA GRANDIFLORA Sw.

Pelicanflower.

Col. No. 18012. Woody vine.

249440. *ARISTOLOCHIA TAGALA* Cham.
Col. No. 18015. Slender, tangled vine.
249441. *AVERRHOA BILIMBI* L. Oxalidaceae. **Bilimbi.**
Col. No. 18024. Tree to 9 feet high.
249442. *AVERRHOA CARAMBOLA* L. **Carambola.**
Col. No. 18023. 'Carambola'. Tree to 12 feet high.
249443. *BACTRIS MARAJA* Mart. Phoenicaceae. **Palm.**
Col. No. 18090. 'Maraja'. Tree slender, to 22 feet high, armed.
249444. *BROMELIA* sp. Bromeliaceae.
Col. No. 18039. 'Gravata'. Epiphyte growing in shade among rocks.
249445. *BUTIA CAPITATA* Becc. Phoenicaceae. **Palm.**
Col. No. 18029. 'Butin'. Tree to 12 feet high.
- 249446 and 249447. *CAESALPINIA PULCHERRIMA* (L.) Swartz **Caesalpinaceae.**
Flowerfence.
249446. Col. No. 18073. 'Barba de Barata'. Shrub to 6 feet high.
248447. Col. No. 1874. 'Aurea'. Yellow-flowered variety.
249448. *CALYCOPHYLLUM SPRUCEANUM* Benth. Rubiaceae.
Col. No. 18095. 'Pau Mulato'. Tree to 90 feet high; trunk smooth, dark green.
249449. *CALYPTROCALYX SPICATUS* Blume Poenicaceae. **Palm.**
Col. No. 18089. Slender tree to 20 feet high; fruits clustered in long pendent racemes.
249450. *CAMELLIA SASANQUA* Thunb. Theaceae.
Col. No. 18046. Shrub to 9 feet high; foliage dark green.
249451. *CAMELLIA SINENSIS* (L.) Kuntze **Tea.**
Col. No. 18045. Tree to 10 feet high.
249452. *CARISSA GRANDIFLORA* (E. Mey.) DC. Apocynaceae.
Col. No. 18031. Shrub to 5 feet high.
249453. *CASSIA APPENDICULATA* Vog. **Caesalpinaceae.**
Col. No. 18008. Small tree to 15 feet high.
249454. *CASSIA FASTUOSA* Vog.
Col. No. 18003. 'Baratinha'. Tree to 60 feet high.
249455. *CASSIA FISTULA* L. **Senna.**
Col. No. 18022. 'Cana-Fistula'. Tree to 20 feet high; flower intense yellow in large racemes.
249456. *CASSIA GRANDIS* L. f. **Pinkshower.**
Col. No. 18002. Tree to 60 feet high, grows best in open.
249457. *CASSIA LATISTIPULA* Benth. **Senna.**
Col. No. 18030. Shrub to 6 feet high.
249458. *CEPHALONEMA POLYANDRUM* Schum. Tiliaceae.
Col. No. 18044. Shrub to 7 feet high.
249459. *CINNAMOMUM ZEYLANICUM* Garc. Lauraceae. **Cinnamon-tree.**
Col. No. 19091. Tree to 25 feet high; leaves and bark used as a condiment.
249460. *CLAPPERTONIA FICIFOLIA* (Willd.) Dcne. Tiliaceae.
Col. No. 18043. Slender shrub to 5 feet high; fruits elongate-ovoid, dark brown, almost black.

249461. *COCCOCYPSELUM CORDATUM* Krause Rubiaceae.

Col. No. 18561. Forest, Alta da Serra, Sao Paulo. Creeper, in moist sites.

249462. *DIOCLEA MACROCARPA* Huber Fabaceae.

Col. No. 18042. Woody vine; foliage dense; seed pods large.

249463. *DIOSPYROS KAKI* L. f. Diospyraceae **Oriental persimmon.**

Col. No. 18123. 'Kaki'. Tree to 10 feet high; fruits round, reddish-yellow.

249464. *DURANTA REPENS* L. Verbenaceae. **Skyflower.**

Col. No. 18130. Shrub to 6 feet high; flowers pale violet; fruit small, globular, yellow when ripe.

249465. *ELAEIS GUINEESIS* Jacq. Phoenicaceae. **African oil palm.**

Col. No. 18097. 'Dende'. Stout tree to 75 feet high.

249466. *GARDENIA LUCIDA* Roxb. Rubiaceae.

Col. No. 18075. Slender shrub to 3 feet high; flowers white, fragrant.

249467. *GREVILLEA BANKSII* R. Br. Proteaceae.

Col. No. 18020. Tree to 8 feet high.

249468. *HELICTERES SACAROLHA* Juss. Sterculiaceae.

Col. No. 18047. 'Sacarroilha'. Small wide-spreading tree; fruits twisted like a cork-screw.

249469 and 249470. *HOVENIA DULCIS* Thunb. Rhamnaceae. **Raisin tree.**

249469. Col. No. 18211. 'Uva do Japao'. Small to medium-sized tree.

249470. Col. No. 18304. 'Mata-Fome'. Horto Florestal, Sao Paulo. Elevation 3,000 feet. Tree to 60 feet high; fruits club-shaped, edible.

249471. *ILEX* sp. Aquifoliaceae.

Col. No. 18552. Forest, Alta da Serra, Paranapiacaba, Sao Paulo.

249472. *ILEX* sp.

Col. No. 18777. Borda do Campo, Serra do Mar, Parana. Elevation 3,500 feet. Tree to 20 feet high; fruits lustrous black.

249473. *ILEX* sp.

Col. No. 18802. Campininha, Piraquara, Parana. Elevation 3,000 feet. Tree to 25 feet high; fruit in dense clusters along twigs.

249474. *ILEX* sp.

Col. No. 18954. Fazenda do Arroyo, Rio Grande do Sul. Shrub to 12 feet high; leaves small, dark; fruit almost black.

249475. *INGA* sp. Mimosaceae.

Col. No. 18609. 'Inga'. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 4,000 feet. Tree to 30 feet high.

249476. *INODES BLACKBURNIANA* (Glazebr.) O. F. Cook Phoenicaceae. **Blackburn palmetto.**

Col. No. 18086. Tree to 25 feet high.

249477. *IPOMOEA BILOBA* Forsk. Convolvulaceae. **Morning-glory.**

Col. No. 18036. Creeper; flowers purplish.

249478. *IPOMOEA CRASSICAULIS* (Benth.) B. L. Robinson **Morning-glory.**

Col. No. 18037. 'Algodao do Pantanao'. Slender shrub to six feet high.

249479. *IPOMOEA NIL* (L) Roth. **Morning-glory.**

Col. No. 18035. Climber; flowers purplish-blue.

249480. *SOCRATEA EXORRHIZA* (Mart.) Wendl. Phoenicaceae. **Palm.**

Col. No. 18069. 'Paxiuba'. Slender tree to 35 feet high with tall surface roots; fronds few; fruits pale green to light brown.

249481. *IRIS* sp. Iridaceae.

Col. No. 18641. Horta Mannequinho Lopes, Sao Paulo. Flowering stems to two feet high.

249482. *JACARATIA DODECAPHYLLA* DC. Caricaceae.

Col. No. 18010. Small tree; pulp edible.

249483. *JACQUEMONTIA MARTII* Choisy Convolvulaceae.

Col. No. 18034. Climber; flowers small, blue.

249484. *RAPHIA RUFFA* (Jacq.) Mart. Phoenicaceae. **Palm.**

Col. No. 18082. 'Sagu'. Stout tree to 30 feet high; fronds arcuate, long.

249485. *ACTINOPHLOEUS SANDERIANUS* (Ridley) Burret. Phoenicaceae. **Palm.**

Col. No. 18067. Tree in clumps to 20 feet high.

249486. *KENTIOPSIS MACROCARPA* Brongn. Phoenicaceae. **Palm.**

Col. No. 18080. Slender tree to 30 feet high.

249487. *LEOPOLDINIA PULCHRA* Mart. Phoenicaceae. **Palm.**

Col. No. 18096. Tree to 10 feet high; fronds fine.

249488. *LEUCAENA LEUCOCEPHALA* (L.) Benth. Mimosaceae. **Leadtree.**

Col. No. 18032. Tree to 12 feet high.

249489. *LICUALA ELEGANS* Blume Phoenicaceae. **Palm.**

Col. No. 18088. Clumps of slender tree to 20 feet high.

249490. *LICUALA RUMPHII* Blume **Palm.**

Col. No. 18070. Clumps of trees to 15 feet high; leaves fan-shaped.

249491. *LINOMA ALBA* (Bory) Wendl. Phoenicaceae. **Palm.**

Col. No. 18077. Slender tree to 55 feet high.

249492. *LUCUMA RIVICOA* Gaertn. f. Sapotaceae.

Col. No. 1858. 'Cutitiriba'. Tree to 75 feet high; fruit yellow.

249493. *MIMUSOPS CORIACEA* (D.C.) Miq. Sapotaceae.

Col. No. 18060. 'Abrico'. Tree to 35 feet high; fruits globular, yellowish, edible.

249494 and 249495. *NELUMBO NUCIFERA* Gaertn. Nymphaeaceae. **Hindu lotus.**

249494. Col. No. 18000. White-flowered form.

249495. Col. No. 18001. 'Flor Rosa'. Pink-flowered form.

249496. *ARECA WENDLANDIANA* Scheff. Phoenicaceae. **Palm.**

Col. No. 18100. Slender tree to 25 feet high.

249497. *NEONICHOLSONIA GEORGEI* Dumm. Phoenicaceae. **Palm.**

Col. No. 18084. Clumps of trees to 15 feet high; fruit yellowish, single seeded.

249498. *NOLINA RECURVATA* Hemsl. Liliaceae.

Col. No. 18093. Plants to 16 feet high; trunk flaring at base; leaves few at tip of crown.

249499. *ORBIGNYA BARBOSIANA* Burret Phoenicaceae. **Babassu nut.**

Col. No. 18087. 'Babacu'. Tree to 45 feet high; seeds rich in edible oil.

249500. *PAIVAEA LANGSDORFFII* Berg. Myrtaceae

Col. No. 18049. 'Cambuci'. Tree to 45 meet high; crown rounded; fruit pale yellow; pulp juicy, edible.

249501. *PASSIFLORA* sp. Passifloraceae.

Col. No. 18624. 'Macacuja de Macaco'. Climber; fruits yellowish to light brown.

249502. *PHOENIX ROEBELINII* O'Brien *Phoenicaceae*. **Palm.**
Col. No. 18009. Tree to 12 feet high.
249503. *PHOENIX* sp.
Col. No. 18065. 'Tamara'. Tree to 30 feet high; fronds drooping; fruits deep pink.
249504. *PINANGA KUHII* Blume *Phoenicaceae*. **Palm.**
Col. No. 18079. Tree to 10 feet high; stems slender.
249505. *PITTIOSPORUM UNDULATUM* Vent. *Pittosporaceae*. **Orange pittosporum.**
Col. No. 18500. 'Incenso'. Tree to 35 feet high; crown irregular; foliage dark green.
249506. *PLATHYMENIA RETICULATA* Benth. *Fabaceae*.
Col. No. 18052. 'Vinhatico'. Large tree.
249507. *POLYANDROCOCOS CAUDESCENS* (Mart.) Barb.-Rodr. *Phoenicaceae*. **Palm.**
Col. No. 18081. 'Imburi'. Tree to 18 feet high; fronds long, arcuate.
249508. *PRUNUS SELLOWII* Koehne *Amygdalaceae*.
Col. No. 18731. 'Pessegueiro do Matto'. Foot of Serra Sao Luiz, Parana. Elevation 3,000 feet. Small to medium-sized tree; flowers small, white.
249509. *PRUNUS SPHAEROCARPA* Sw.
Col. No. 18566. 'Sapuaia'. Fazenda da Bonita, Serra da Bocaina, Sao Paulo. Elevation 3,500 feet. Small to medium-sized tree.
249510. *PSIDIUM GUAJAVA* L. *Myrtaceae*. **Common guava.**
Col. No. 18059. 'Goiaba Vermelha'.
249511. *PSYCHOTRIA LANGSDORFFIANA* Muell.-Arg. *Rubiaceae*.
Col. No. 18628. Serra da Bocaina, Sao Paulo. Elevation 4,000 feet. Dense shrub to six feet high; foliage dark green; fruits purplish-blue.
249512. *RAUVOLFIA CANESCENS* L. *Apocynaceae*. **Devilpepper.**
Col. No. 18027. Slender shrub to 2.5 feet high.
249513. *ROYSTONEA REGIA* (H.B.K.) Cook *Phoenicaceae*. **Cuban royal palm.**
Col. No. 18085. Tree to 90 feet high; trunk columnar, flaring at base; fruits small, almost black when ripe.
249514. *SABAL HAVANENSIS* Lodd. *Phoenicaceae*. **Palmetto.**
Col. No. 18068. Clumps of plant to eight feet high.
249515. *SAPINDUS SAPONARIA* L. *Sapindaceae*. **Southern soapberry.**
Col. No. 18072. 'Sabon de Macaco'. Tree to 45 feet high; fruits used as a substitute for soap.
249516. *SCHOMBURGKIA* sp. *Orchidaceae*.
Col. No. 18147. Common on tree trunks in gardens.
249517. *SMILAX GEMINA* Vell. *Smilacaceae*.
Col. No. 18021. 'Japecanga'. Climber; foliage dark green.
249518. *SPONDIAS MOMBIN* L. *Anacardiaceae*. **Yellow mombin.**
Col. No. 18071. 'Caja-mirim'. Tall tree; fruits yellow, containing a juicy yellow pulp.
249519. *STYRAX CAMPORUM* Pohl *Styracaceae*.
Col. No. 18219. Tree to 12 feet high.
249520. *TAMARINDUS INDICA* L. *Caesalpiniaceae*. **Tamarind.**
Col. No. 18028. 'Tamarindo'. Tree to 60 feet high; crown dense.

249521. *TRIPHASIA TRIFOLIA* (Burm. f.) P. Wils. Rutaceae.

Col. No. 18061. 'Limao Frances'. Open-crowned shrub to six feet high; fruits lustrous dark red to brown.

249522. (Undetermined.)

Col. No. 18622. Alta Serra, Paranapiacaba, Sao Paulo. Elevation 2,600 feet. Fruit edible.

249523. *VEITCHIA JOANNIS* H. Wendl. Phoenicaceae.

Palm.

Col. No. 18092. Tree to 40 feet high; trunk straight, columnar, tapering.

249524. *VERNONIA* sp. Asteraceae.

Col. No. 18813. Campaninas, Serra do Mar, Parana. Elevation 3,000 feet. Herb to three feet high; stem purplish-brown; flowers blue.

249525. *VERNONIA NUDIFORA* Less.

Col. No. 18050. Herb to three feet high; leaves narrow; flowers small, purplish.

249526 to 249531.

From Colombia. Plants collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 23, 1958. Collected July 20, 1958.

Purchased from Wm. A. Kyburz, Bitaco.

249526. *ANTHURIUM ANDRAEANUM* Linden Araceae.

Col. No. 94.

249527. *ANTHURIUM* sp.

Col. No. 100. Bitaco.

249528. *CHLOROSPATHA* sp. Araceae.

Col. No. 96.

249529. *PHILODENDRON* sp. Araceae.

Col. No. 97. Wine-red on underside of leaves.

249530. *PHILODENDRON* sp.

Col. No. 98.

249531. *GEOGENANTHUS CILIATUS* Bruckner Commelinaceae.

Col. No. 95. 'Escudo de Amazonas'. Collected by Mr. Kyburz in Putomayo, near Mocoa. Leaves five inches across, deep-purple, round. Attractive ground cover.

249532 to 249536.

From Spain. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 24, 1958.

Commercial vegetable seeds from Granada.

249532. *ALLIUM PORRUM* L. Liliaceae.

Leek.

249533. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae.

Broccoli.

249534. *BRASSICA OLERACEA* var. *GEMMIFERA* DC.

Brussel sprouts.

249535. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

'Nantesa'.

249536. *LACTUCA SATIVA* L. Cichoriaceae.

Garden lettuce.

'Four Seasons Red'.

249537. *FICUS LUCESCENS* Blume Moraceae.

Dotted fig.

From Japan. Seeds presented by the Experimental Forest Station, Kyoto University, Kyoto. Received July 24, 1958.

Large tree; leaves shed twice a year. One of the common fig trees on Formosa.

249538 to 249540. ALLIUM CEPA L. Liliaceae.**Onion.**

From Greece. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 25, 1958.

From Seed Testing and Control Station, Helandrión, Attika.

249538. Kp-5.

249539. Kp-12.

249540. Kp-13.

249541. ALLIUM sp. Liliaceae.

From Angola. Seeds collected by Louis Williams and Norris Gilbert, Agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 25, 1958.

Col. No. 21567. Twelve miles north of Nova Lisboa. Elevation 5,400 feet. Flowers yellow; spikes to 12 in. long.

249542 to 249544. CAPSICUM FRUTESCENS L. Solanaceae.**Redpepper.**

From Greece. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 25, 1958.

From Seed Testing and Control Station, Helandrión, Attika.

249542. No. 102.

249543. No. 150.

249544. No. 155.

249545 to 249547.

From Mexico. Seeds presented by Christian Halbinger, 'El Troquel', Mexico City. Received July 25, 1958.

249545. JUNIPERUS ASHEI Buchholz Pinaceae.

Juniper.

249546. PASSIFLORA MALIFORMIS L. Passifloraceae.

Passionflower.

249547. SALVIA SCLAREA L. Menthaceae.

249548 to 249554.

From Iran. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 28, 1958.

From Tehran bazaar, except where otherwise noted.

249548. ALLIUM PORRUM L. Liliaceae.

Leek.

Col. No. K807.

249549. ALLIUM sp.

Col. No. K809. 'Tareh'.

249550. CUCUMIS SATIVUS L. Cucurbitaceae.

Cucumber.

Col. No. K812.

249551 and 249552. PHASEOLUS AUREUS Roxb. Fabaceae.

Mung bean.

249551. Col. No. K804.

249552. Col. No. K840. Ahraz bazaar.

249553 and 249554. PHASEOLUS VULGARIS L.

Common bean.

249553. Col. No. K819.

249554. Col. No. K820.

249555 to 249572.

From Thailand. Seeds presented by O. B. Pearson, West Springfield, Massachusetts. Received July 28, 1958.

Collected by Prasert Bunnag, Bangkok.

249555. *BRASSICA JUNCEA* (L.) COSS. Brassicaceae. Chinese mustard.
'Bhug-gard-keo'.
249556. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Broccoli.
'Bhug-gana'.
249557. *BRASSICA OLERACEA* var. *CAPITATA* L. Cabbage.
'Khralampli'.
249558. *BRASSICA RAPA* L. Turnip.
'Noa-bhug-gard'.
249559. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.
'Teang-mo'.
249560. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.
'Teang-thai'.
- 249561 and 249562. *CUCUMIS SATIVUS* L. Cucumber.
249561. 'Teang-guar'.
249562. 'Teang-rhan'.
- 249563 and 249564. *CUCURBITA MOSCHATA* Duchesne Cucurbitaceae. Cushaw.
249563. 'Fang'.
249564. 'Phug-keo'.
249565. *CUCURBITA PEPO* L. Pumpkin.
'Phug-thong'.
249566. *LACTUCA SATIVA* L. Cichoriaceae. Garden Lettuce.
'Bhug-gard-hom'.
249567. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
'Makhua-tes'.
- 249568 to 249571. *SOLANUM MELONGENA* L. Solanaceae. Eggplant.
249568. 'Makhua-kaitao'.
249569. 'Makhua-jarn'.
249570. 'Makhua-proh'.
249571. 'Makhua-yow'.
249572. *ZEA MAYS* L. Poaceae. Corn.
'Kaopode-tian'.

249573. *SOLANUM TUBEROSUM* L. Solanaceae. Potato.

From the Union of South Africa. Tubers presented by the Division of Plant Pathology, Department of Agriculture, Pretoria. Received July 29, 1958.

('South Esk' × 'Shamrock') × 'Saranac'. 'South Esk' is a Scottish variety with resistance to leafroll virus, and field immunity to viruses A and X. It has never been grown commercially. 'Shamrock' is a red-skinned Irish variety with resistance to blight and leafroll. It is not grown commercially. 'Saranac' was bred in the United States and is grown in Australia on a small scale.

Plant tall, vigorous and upright; foliage medium green, curved downward; leaves large, sparsely pubescent; leaflets large, rugose when young, older primary leaflets domeshaped; flowers medium size, blue-heliotrope, light-tipped; calyx tips long pigmented, sparsely pubescent; tuber oval, somewhat flat; eyes shallow; skin usually white, but sometimes russeted and with faint pink flushes; flesh white.

249574 to 249609.

From the Union of South Africa, Angola, the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops

Research Branch, Crops Research Division, Beltsville, Md. Received July 30, 1958.

From Angola unless otherwise noted.

249574. *ANTHOSCHMIDTIA KALAHARIENSIS* (Stent) Bremek. & Oberm. Poaceae.

Col. No. 21586. Apington Airport, Union of South Africa.

249575. *AESCHYNOMENE* sp. Fabaceae.

Col. No. 21519. Along Nene River, six miles west of Huila. Elevation 5,600 feet. Shrub to six feet high; leaves pinnate.

249576. *ARGYROLOBIMUM SHIRENSE* Taub. Fabaceae.

Col. No. 21314. Lava plain, six miles north of Goma, Belgian Congo. Elevation 6,700 feet. Shrub to 1.5 feet high.

249577. *ARGYROLOBIMUM* sp.

Col. No. 21547. In scrub forest, nine miles north of Caconda. Elevation 5,400 feet. Perennial; root heavy; leaves 3-foliolate.

249578. *CASSIA KIRKII* var. *GUINEENSIS* Stezaert Caesalpiniaceae. Senna.

Col. No. 21378. Astrida roadside, Ruanda-Urundi.

249579. *CASSIA* sp.

Col. No. 21577. Slope, above stream, 30 miles northwest of Nova Lisboa. Elevation 4,800 feet. Woody perennial to three inches high. Ground cover

249580. *CROTALARIA* sp. Fabaceae.

Col. No. 21466. Near Sa da Bandeira. Elevation 5,800 feet. Woody biennial or perennial to one foot high; fruit abundant.

249581. *CROTALARIA* sp.

Col. No. 21490. Rocky slopes in canyon above Sa da Bandeira. Elevation 6,200 feet.

249582. *CROTALARIA* sp.

Col. No. 21508. Scrub forest, 12 miles east of Sa da Bandeira. Annual or biennial; leaflets sessile; seed pods ovoid, small, one to three seeds.

249583. *CROTALARIA* sp.

Col. No. 21570. Slope of rocky hill, six miles north of Nova Lisboa. Elevation 5,600 feet. Plant to two feet high, caespitose perennial.

249584. *CROTALARIA* sp.

Col. No. 21574. Scrub forest 40 miles northwest of Nova Lisboa. Elevation 4,700 feet. Erect annual; pods round.

249585. *ERIOSEMA* sp. Fabaceae.

Col. No. 21497. Ranch 12 miles north of Hampata. Elevation 7,200 feet. Shrub to 12 feet high; leaves sharp; flowers yellow.

249586. *ERIOSEMA* sp.

Col. No. 21565. Three miles east of Nova Lisboa. Elevation 5,600 feet. Annual; flowers yellow.

249587. *ERIOSEMA* sp.

Col. No. 21571. Scrub forest 33 miles north of Nova Lisboa. Elevation 5,000 feet. Perennial subshrub to three feet high; leaves trifoliate; flowers yellow-orange.

249588. *MONELYTRUM LUDERITZIANUM* Hack. ex Schinz Poaceae.

Col. No. 21589. Rocky granitic hills six miles south of Windhoek, South West Africa. Elevation 5,600 feet. Perennial to two feet high.

249589. *GLYCINE JAVANICA* L. Fabaceae.

Col. No. 21303. Open slopes near Rutshura, Belgian Congo. Vine; leaf trifoliate; inflorescence at each node; seed pods reflexed.

249590. *HIBISCUS* sp. Malvaceae.

Col. No. 21472. Plain near Vila Arriaga. Elevation 3,000 feet. Willowy shrub to three feet high; flowers very small, white.

249591. *INDIGOFEA* sp. Fabaceae.

Col. No. 21494. Plateau above Sa da Bandeira. Elevation 6,500 feet. Bushy annual; fruits many.

249592. *INDIGOFEA* sp.

Col. No. 21533. Scrub forest area near Olivenga a Nova. Elevation 4,800 feet. Bushy biennial or perennial; fruits abundant.

249593. *INDIGOFEA* sp.

Col. No. 21537. Scrub forest 24 miles north of Caconda. Elevation 5,600 feet. Erect, caespitose, perennial; flowers yellow.

249594. *INDIGOFEA* sp.

Col. No. 21544. Granite outcrop, scrub forest near Catata. Elevation 5,400 feet. Perennial to two feet high.

249595. *INDIGOFEA* sp.

Col. No. 21545. On open slopes nine miles south of Cuima. Elevation 5,000 feet. Perennial shrub to one foot high.

249596. *INDIGOFEA* sp.

Col. No. 21566. Savanna, six miles east of Nova Lisboa. Elevation 5,600 feet. Biennial or perennial to three feet high; pods quite small.

249597. *INDIGOFEA* sp.

Col. No. 21569. Rocky hillside three miles north of Nova Lisboa. Elevation 5,600 feet. Shrub to six feet high; seed pod apex turned up and furrowed.

249598. *LATHYRUS* sp. Fabaceae.

Col. No. 21576. Scrub forest 10 miles northwest of Nova Lisboa. Elevation 4,800 feet. Perennial vine; leaves trifoliate; flowers greenish-yellow.

249559. *PSEUDARTHRIA HOOKERI* Wight & Arn.. Fabaceae.

Col. No. 21244. Six miles north of Rayna, Nord du Kivu Province, Belgian Congo. Plant to three feet high.

249600. *PSEUDARTHRIA* sp.

Col. No. 21553. Scrub forest area, six miles south of Quipungo. Elevation 4,400 feet. Perennial to three feet high; leaves trifoliate; seed pods not segmented.

249601. *PSORALEA* sp. Fabaceae.

Col. No. 21601. Dry rocky hills, 15 miles south of Windhoek, South West Africa. Decumbent perennial.

249602. *RHYNCHOSIA SUBLOBATA* (Schumach.) Meikle Fabaceae.

Col. No. 21352. Ruzizi Valley, about 60 miles south of Bukavu, Belgian Congo. Vine to 18 feet high; seed large, sparse.

249603. *TRIGONELLA* sp. Fabaceae.

Col. No. 21552. Scrub forest nine miles north of Quipungo. Elevation 4,400 feet. Plant to 1.5 feet high.

249604. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae.

Fenugreek.

Col. No. 21548. Scrub forest 12 miles north of Caconda. Elevation 5,400 feet.

249605. *URELYTRUM MURICATUM* Hubb. Poaceae.

Col. No. 21498. Plains and rocky hills, nine miles north of Humpata. Elevation 7,000 feet. Bunchgrass to three feet high.

249606. VIGNA MICRANTHA Harms Fabaceae.

Col. No. 21338. Fifteen miles south of Bukava, Belgian Congo. Elevation 5,400 feet.

249607. VIGNA SP.

Col. No. 21469. Nine miles north of Sa da Bandeira. Elevation 6,000 feet.

249608. VIGNA SP.

Col. No. 21481. Scrub forest near Vila Arriaga. Elevation 3,000 feet.

249609. VIGNA SP.

Col. No. 21573. Edge of wet meadow, 30 miles northwest of Nova Lisboa. Elevation 4,700 feet. Semishrub to 2.5 feet high; leave trifoliate.

249610. INDIGOFERA sp. Fabaceae.

From Colombia. Seed collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 30, 1958.

Col. No. 93. Between Cali and Palmira. Plant bushy, to six feet high; foliage sparse; heavy seed producer. A potential support for *Dioscorea*.

249611 to 2496515. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Czechoslovakia. Tubers presented by the Academy of Science, Prague. Received July 31, 1958.

249611. 'Ambra'.

249612. 'Karmen'.

249613. 'Kotnor'.

249614. 'Krasava'.

249615. 'Mirka'.

249616. CRATAEGUS AZAROLUS L. Malaceae.**Hawthorn.**

From Italy. Seeds presented by the Orto Botanico, Naples. Received July 31, 1958.

249617. CRATAEGUS AZAROLUS L. Malaceae.**Hawthorn.**

From Italy. Seed presented by Villa Taranto Gardens, Pallanza, Lago Maggiore. Received July 31, 1958.

'Eructu Rosea'.

249618. TRIFOLIUM REPENS L. Fabaceae.**Whiteclover.**

From Iran. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 31, 1958.

Collected northeast of Kuhe Sahand, Azerbaijan. A selection from P. I. 230274, *Trifolium hybridum*.

249619. ZANTHOXYLUM sp. Rutaceae.

From Nepal. Plant presented by United States Operations Mission, Katmandu. Received July 31, 1958.

'Timur'. Thorny shrub to 15 feet high, growing at the foot of a mountain in somewhat acid, well-drained, soil.

249620 to 249647.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received July 31, 1958.

249620. HIBISCUS ESCULENTUS L. Malvaceae.**Okra.**

'Pusa Makhmali'.

249621. ABELMOSCHUS TUBERCULATUS Pal and Singh Malvaceae.

I. W. 130. Resistant to yellow vein mosaic. Resembles *Hibiscus esculentus* in several vegetative and reproductive characters. It, however, has a tall habit, short internodes, small flowers, and fruits profusely. Fruits have bristly hairs arising from tubercular bases. The petal basal spot is not uniformly purple as in *Hibiscus esculentus*. The stigma is scarlet; it is purple in *Hibiscus esculentus*.

249622 to 249633. CAJANUS CAJAN (L.) Millsp. Fabaceae. Pigeon-pea.

'Arhar'. Developed at the Bihar Station. Maturing strains.

Early.

249622. B.R. 13.

249623. B.R. 59.

249624. B.R. 172.

Medium.

249625. B.R. 60.

249626. B.R. 65.

249627. B.R. 71.

Late.

249628. B.R. 10.

249629. B.R. 15.

249630. B.R. 17.

'Arhar'. Developed at the Bombay Station. High yield and wilt-resistant plants.

249631. F18.

249632. F52.

'Arhar'. Developed in Uttar Pradesh. High yield, qualities of palatability and moderate wilt-resistant plants.

249633. Type 17.

249634 to 249636. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.

249634. N.P. (Hyb.) 17-1-1. A pungent, high yielding, green type.

249635. N.P. (Hyb.) 5-1-5. A pungent, high yielding, green type.

249636. R449. A Russian variety comparable to 'World Beater' and 'Bell'

249637 and 249638. HIBISCUS CANNABINUS L. Malvaceae. Kenaf.

Outstanding selections from a breeding program.

249637. N.P. 3.

249638. N.P. 6.

249639. HIBISCUS SABDARIFFA L. Roselle.

'Altissima'. N.P. Sab. 5. Fiber harsh and coarse, strength comparable to that of jute. Superior to 'Deccan' hemp.

249640. LUFFA CYLINDRICA (L.) Roemer Cucurbitaceae. Suakwa towelgourd.

'Pusa Chikni'. A selection made from smooth gourds obtained from Bihar.

249641. LYCOPERSICON (hybrid). Solanaceae. Tomato.

(*L. esculentum* × *L. pimpinellifolium*). 'Pusa Red Plum'.

249642 to 249647. PISUM SATIVUM L. Fabaceae. Garden pea.

Developed at Bihar Station.

249642. B.R. 2; I.C. 1626. White flowered.

249643. B.R. 12; I.C. 1627. White flowered.

249644. B.R. 118; I.C. 1628. White flowered.

249645. B.R. 178; I.C. 1625. Purple flowered.

Developed in Uttar Pradesh.

249646. T163; I.C. 775. White flowered; remarkably high yielding ability.

249647. Table 19; I.C. 2205. A high yielding, high quality table type.

249648. CRATAEGUS AZAROLUS L. Malaceae. Hawthorn.

From Italy. Seeds presented by the Instituto Ed Orto Botanico, Dell Univer-sita, Palermo. Received Aug. 4, 1958.

249649. FICUS BURKEI Miq. Moraceae.

From the Union of South Africa. Seed presented by the Division of Botany, Department of Agriculture, Pretoria. Received Aug. 4, 1958.

A tree; leaves elliptic-lanceolate, to four inches long.

249650 to 249675.

From Angola and the Belgian Congo. Seeds collected by Louis Williams and Norris Gilbert, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 4, 1958.

From Angola, unless otherwise noted.

249650. TEPHROSIA LINEARIS (Willd.) Pers. Fabaceae.

Col. No. 21349. Ruzizi Valley, 45 miles south of Bukava, Belgian Congo.

249651. TEPHROSIA sp.

Col. No. 21491. Elevation 6,200 feet. Rocky slopes of canyon above Sa da Bandeira. Annual to one foot high; leaves trifoliate.

249652. TEPHROSIA sp.

Col. No. 21516. Sandy forest soil, nine miles west of Huila. Elevation 5,600 feet. Perennial to 1.5 feet high; leaves trifoliate.

249653. TEPHROSIA sp.

Col. No. 21559. Open savanna 15 miles north of Nova Lisbon. Elevation 5,000 feet. Perennial to three feet high; leaves trifoliate; fruits axillary.

249654. TEPHROSIA sp.

Col. No. 21562. Scrub forest, 12 miles north of Nova Lisboa. Elevation 5,000 feet. Vine.

249655. BURKEA AFRICANA, Hook. Caesalpiniaceae.

Col. No. 21479. Wooded plain near Vila Arraga. Elevation 3,000 feet. tree to 12 feet high.

249656. CAESALPINIA sp. Caesalpiniaceae.

Col. No. 21539. Open slopes nine miles south of Cuima. Elevation 5,000 feet. Woody perennial; seed pods thick, woody.

249657. CALOTROPIS PROCERA Ait. Asclepiadaceae.

Col. No. 21582A. San Miquel Fortress, Luanda. Tree to 24 feet high; leaves glaucous green; flowers blue.

249658. CHRISTIANA sp. Tiliaceae.

Col. No. 21476. On wooded plain near Vila Arraga. Elevation 3,000 feet. Shrub to three feet high; flowers yellow.

249659. OCIMUM sp. Menthaceae.

Col. No. 21492. Abundant in rocky slopes of Canyon above Sa da Bandeira. Elevation 7,000 feet. Shrub to three feet high; foliage fair; flowers small; bracts large, lavender, at top of inflorescence.

249660. *PARKINSONIA ACULEATA* L. Caesalpinaceae.

Col. No. 21582. San Miquel Fortress, Luanda. Xerophytic tree; foliage good.

249661. *PELTOPHORUM* sp. Caesalpinaceae.

Col. No. 21513. One and one-half miles west of Huila. Elevation 5,400 feet. Tree to 18 feet high; foliage attractive.

249662. *RHENTIA* sp. Melastomataceae.

Col. No. 21515. Moist meadow six miles west of Huila. Elevation 5,600 feet. Herb to four feet high; flowers one inch in diameter, purple.

249663. *TERMINALIA* sp. Combretaceae.

Col. No. 21521. Five miles east of Sa da Bandeira. Elevation 5,200 feet. Shrub or tree to 12 feet high; foliage fair.

249664. (Undetermined.)

Col. No. 21421. Hills near Kigali, Ruanda Urundi. Elevation 4,900 feet. Shrub to six feet high.

249665. (Undetermined.)

Col. No. 21470. 'Maboke' ('Huila'). Near Vila Arraga. Elevation 3,000 feet. Tree to 12 feet high; fruits globose, three inches in diameter; shell hard.

249666. (Undetermined.)

Col. No. 21480. Plain above Villa Arraga. Shrub to three feet high; calyx oddly enlarged.

249667. (Undetermined.)

Col. No. 21482. 'Mirangolo' ('Huila'). In scrub forests 12 miles north of Sa da Bandiera. Elevation 6,500 feet. Spiny tree or shrub; fruits purple, one inch long, 0.5 inch in diameter; latex from fruit white.

249668. (Undetermined.) Rubiaceae.

Col. No. 21487. Plateau six miles west of Sa da Bandeira. Elevation 6,500 feet. Semiwoody perennial; flowers scarlet, attractive.

249669. (Undetermined.) Liliaceae.

Col. No. 21499. Rocky slopes, three miles north of Humpata. Elevation 6,800 feet. Plant to 18 inches high; flowers white, 0.5 inch in diameter.

249670. (Undetermined.) Fabaceae.

Col. No. 21488. Canyon above Sa da Bandeira. Elevation 6,200 feet. Shrub to six feet high; foliage gray, attractive; flowers yellow.

249671. (Undetermined.)

Col. No. 21493. Plateau and canyon above Sa da Bandeira. Elevation 6,500 feet. Prostrate perennial; flowers small, lavender, numerous.

249672. (Undetermined.)

Col. No. 21523. Rocky slopes, six miles south of Sa da Bandeira. Elevation 6,200 feet. Bulbous; flower spike to three feet high.

249673. (Undetermined.) Menthaceae.

Col. No. 21534. Scrub forest near Olivenca a Nova. Shrub to three feet high; calyx lobes cover the seeds.

249674. (Undetermined.)

Col. No. 21561. Low shrub area about eight miles north of Nova Lisboa. Elevation 5,000 feet. Subshrub to three feet high; leaves trifoliate.

249675. *ALVESIA ROSMARINIFOLIA* Welw. Menthaceae.

Col. No. 21578. Scrub forest 25 miles northwest of Nova Lisboa. Elevation 4,600 feet. Shrub to six feet high; flowers in spikes, pale mauve.

249676 to 249679. SESAMUM INDICUM L. Pedaliaceae. Sesame.

From Mozambique. Seeds presented by the United States Consul General, Lourenco Marques. Received Aug. 5, 1958.

From the Umbeluzi Experimental Station.

249676. 'Amadnagar White No. 1'.

249677. 'Branco' (white).

249678. 'Satara Branco' (white).

249679. 'Venezuela 51'.

249680. PSEUDOERIOSEMA BORIANII (Schweinf.) Hauman Fabaceae.

From the Sudan. Seeds presented by the Tozi Research Station, Wad El Nail, Blue Nile Province. Received Aug. 5, 1958.

249681 to 249684.

From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received Aug. 5, 1958.

249681. CROTALARIA ALATA Buch.-Ham. Fabaceae.

I.W. 15.

249682. CROTALARIA RETUSA L.

I.W. 56.

249683. CROTALARIA SERICEA Retz.

I.W. 853.

259684. CROTALARIA SEMPERFLORENS Vent.

I.W. 1269.

249685. ARAUCARIA ANGUSTIFOLIA (Bertol.) Kuntze Pinaceae.

From Brazil. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 5, 1958.

Col. No. 18570. Fazenda da Bonita, Serra da Bocaina, Sao Paulo.

249686 to 249716.

From Spain and Portugal. Seed collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Crops Research Division, Beltsville, Md. Received Aug. 5, 1958.

From Spain unless otherwise noted.

249686 and 249687. ARRHENATHERUM ELATIUS var. BULBOSUM (Willd.) Spenner
Poaceae. Tuber oatgrass

249686. Col. No. 16933. Near Gata, Valencia. Sparse, tufted, perennial.

249687. Col. No. 16985. Sierra Despenapiros, Jaen. Elevation 3,000 feet.
A common wayside weed; seeds poorly.

249688 and 249689. CANNABIS SATIVUS L. Moraceae.

Hemp.

249688. Col. No. 16953. 'Canamo'. Market in Murria. Vigorous summer annual; irrigated; grown for bird seed.

249689. Col. No. 16965. 'Canamo'. Near Granada. Irrigated; grown for fiber.

249690. GENISTA sp. Fabaceae.

Col. No. 16930. Parque de Caso Campo, Madrid. Elevation 2,500 feet. Ornamental shrub to six feet high.

249691. HEDYSARUM CORONARIUM L. Fabaceae.

Sulla.

Col. No. 16983. Agricultural Experiment Station, Cordoba. F.A.O. test plot, No. 2645. Biennial, more cold resistant than *Hedysarum flexuosum*.

249692. *HEDYSARUM FLEXUOSUM* L.

Col. No. 15982. 'Sula'. Agricultural Experiment Station, Cordoba. F.A.O. test plot No. 2591. Annual; self-seeding.

249693 and 249694. *HIBISCUS CANNABINUS* L. Malvaceae.

Kenaf.

249693. Col. No. 16966. 'Salvador'. Near Granada, Irrigated; grown for fiber.

249694. Col. No. 16967. Near Granada. Grown for fiber.

249695. *LAVANDULA* sp. Menthaceae.

Col. No. 16986. Sierra Despenaperos, Jaen. Rank, aromatic, ornamental bush, perhaps with an essential oil.

249696 and 249697. *LINUM USITATISSIMUM* L. Linaceae.

Common flax.

249696. Col. No. 16963. Near Granada. Tall variety grown for fiber.

249697. Col. No. 16964. Near Granada. Short variety grown for oil.

249698. *LINUM* sp.

Col. No. 16973. Between Granada and Jaen. Elevation 2,500 feet. Perennial herb; flowers large, purple.

249699. *LYGEUM SPARTUM* Loeff. Poaceae.

Espartograss.

Col. No. 16959. Near Puerto Lumberas, Granada. Tough-leaved grass used for making sacks, first soaked in water for 20 days.

249700. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinn. Fabaceae.
California burclover.

Col. No. 16961. Near Guadix, Granada. Elevation 3,000 feet. Spread-
ing winter-spring annual to six feet high.

249701. *MEDICAGO ORBICULARIS* (L.) All.

Buttonclover.

Col. No. 16969. Between Granada and Jaen. Elevation 2,500 feet. Win-
ter-spring annual; spontaneous in grain field.

249702. *MEDICAGO HISPIDA* Goertn.

Col. No. 16976. Near Porcuna, Cordoba. Elevation 3,000 feet. Small
winter-spring annual grown for early winter feed.

249703. *PHALARIS COERULESCENS* Desf. Poaceae.

Canarygrass.

Col. No. 16975. Clay soil near Porcuna, Cordoba Province. Elevation 3,000
feet. Perennial to three feet high; leaves few.

249704. *PHALARIS AQUATICA* L.

Large canarygrass.

Col. No. 16981. Agricultural Station, Cordoba. Rank perennial grow-
ing in privet hedge and adjacent field.

249705. *PHALARIS MINOR* Retz.

Littleseed canarygrass.

Col. No. 16984. Near Bailen, Jaen Province. Elevation 2,000 feet. Pos-
sible rhizomatous form of plant to four feet high, caespitose.

249706. *SANGUISORBA* sp. Rosaceae.

Col. No. 16971. Between Granada and Jaen. Elevation 2,500 feet. Winter-
spring perennial herb with several scapose nodding stems in fruit.

249707. *SCORPIURUS MURICATUS* L. Fabaceae.

Col. No. 16970. Between Granada and Jaen. Elevation 2,500 feet. Spon-
taneous winter-spring forage herb.

249708. *SCORPIURUS SULCATUS* L. Fabaceae.

Col. No. 16911. Near Tavira, Portugal. Palatable winter-spring annual
for spring pasturing.

249709. *STIPA* sp. Poaceae.

Col. No. 16960. Puerto de Lumbteras, Granada. Elevation 2,500 feet. Sum-
mer drought resistant tufted perennial on poor soil.

249710. *TRIFOLIUM CAMPESTRE* Shreb. Fabaceae. **Large hop clover.**

Col. No. 16974. Near Porcuna, Cordoba. Elevation 3,500 feet. Winter-spring annual to 10 inches high; flowers yellow.

249711. *TRIFOLIUM CHERLERI* Jusl. **Clover.**

Col. No. 16898. Ten miles south of Evoras, Portugal. Elevation 500 feet. Early maturing winter-spring annual.

249712. *TRIFOLIUM INCARNATUM* L. **Crimson clover.**

Vol. No. 16978. Near Porcuna, Cordoba. Elevation 3,000 feet. Winter-spring annual; stem thick, upright, single.

249713. *TRIFOLIUM SAXATILE* All. **Clover.**

Col. No. 16929. Parque de Caso Campo, Madrid. Elevation 2,500 feet. Small winter-spring annual.

249714 and 249715. *TRIFOLIUM STRIATUM* L. **Striate clover.**

249714. Col. No. 16828. Parque de Caso Campo, Madrid. Plants simple or diffuse, erect, winter-spring annuals, to six inches high.

249715. Col. No. 16977. Near Porcuna, Cordoba. Winter-spring annual to 12 inches high; midwinter forage.

249716. *TRIFOLIUM SUBTERRANEAN* L. **Subterranean clover.**

Col. No. 16927. Parque de Caso Campo, Madrid. Winter-spring annual for winter ground cover. Reported very variable.

249717 to 249768.

From Greece. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 6, 1958.

249717 and 249718. *ANTHOXANTHUM ODORATUM* L. Poaceae. **Sweet vernalgrass.**

249717. Col. No. 17004. Rocky slope, Asomatos, Isle of Crete. Elevation 2,500 feet. Spindling, palatable, tufted perennial.

249718. Col. No. 17066. Twelve miles north of Ierossos, Athos. Elevation 2,500 feet. Cut for hay.

249719 and 249720. *ARRHENATHERUM ELATIUS* (L.) Presl. Poaceae. **Tall oatgrass.**

249719. Col. No. 17087. Karyai, Athos. Elevation 2,000 feet. Clumps of leafy canes, 5.5 feet high, in chestnut forest.

249720. Col. No. 17092. Rocky slope, Athos Mountains. Elevation 2,000 feet. Clumps in open chestnut forest.

249721. *AVENA SATIVA* L. Poaceae. **Common oats.**

Col. No. 16991. Agricultural Experiment Station, Messira, Crete. Elevation 400 feet.

249722. *BRACHYPODIUM PINNATUM* (L.) Beauv. Poaceae. **Japanese falsebrome.**

Col. No. 17124. South of Grevena. Elevation 2,500 feet. Perennial with broad, hairy leaves.

249723. *BRACHYPODIUM* sp.

Col. No. 17084. Granitic slope, Karyai, Athos. Elevation 1,800 feet. Perennial grass with leafy culms.

249724. *BROMUS RACEMOSUS* L. Poaceae. **Bald brome.**

Col. No. 17069. Fifteen miles north of Ierissos, Athos. Elevation 2,500 feet. Plant to three feet high; leaves few.

249725. *LOLIUM TEMULENTUM* L. Poaceae. **Darnel.**

Col. No. 17078. Karyai, Athos. Elevation 1,800 feet. Succulent perennial herb; stems thick.

249726. *CALAMAGROSTIS EPIGEJOS* (L.) Roth Poaceae.

Col. No. 17105. Ierissos, Athos. Elevation 100 feet. Coarse, caney perennial along meadow drainway.

249727. *CAREX* sp. Cyperaceae.

Col. No. 17116. Eighteen miles north of Ierissos along road to Arnaca. Elevation 2,000 feet. Plant to nine inches high.

249728 and 249729. *CYNOSURUS CRISTATUS* L. Poaceae. **Crested dogtail.**

249728. Col. No. 17060. Fifteen miles north of Ierissos, Athos. Elevation 2,500 feet. Perennial.

249729. Col. No. 17129. Pefki, Pindhos Mountains. Elevation 2,500 feet. Sparsely leaved perennial scattered in a mixed meadow, cut for hay.

249730 to 249732. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby Poaceae.

249730. Col. No. 17001. Asomatos, Crete. Elevation 3,500 feet. Winter-spring perennial; leaves few.

249731. Col. No. 17017. Rocky slope 15 miles southeast of Hiraklion, Crete. Elevation 1,500 feet. Drought resistant perennial; leaves narrow, numerous.

249732. Col. No. 17029. Near Thebes. Elevation 2,000 feet. Mountain slope in protected reforestation area.

249733 to 249737. *DACTYLIS GLOMERATA* L. **Orchardgrass.**

249733. Col. No. 17074. Steep rocky slope, Karyai, Athos. Elevation 1,800 feet. Tall perennial.

249734. Col. No. 17123. Near Veroia. Elevation 1,500 feet. Plants drought resistant; leaves few.

249735. Col. No. 17125. South of Grevena. Elevation 2,500 feet. Sparse-leaved xerophyte.

249736. Col. No. 17140. Dry sites around ruins, Dodono, Ipaerus Province. Elevation 2,300 feet. Thriving leafy perennial, cut for hay.

249737. Col. No. 17145. Dry rocky slope, Delphi. Elevation 2,000. Large, leafy, well developed plant.

249738. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**

Col. No. 17128. Pefki, Pindhos Mountains. Elevation 2,500 feet. Succulent-leaved perennial, closely grazed in natural pasture.

249739. *FESTUCA OVINA* L. **Sheep fescue.**

Col. No. 17122. Near Veroia. Elevation 1,500 feet. Fine-leaved, tufted, perennial; glaucous and green types present.

249740 and 249741. *FESTUCA RUBRA* L. **Red fescue.**

249740. Col. No. 17141. Dodono, Ipaerus Province. Elevation 2,300 feet. Perennial; leaves long, narrow, in tufts.

249741. Col. No. 17148. Limestone rocks, Delphi. Elevation 2,000 feet. Large bunchgrass; leaves narrow, green, numerous.

249742. *FESTUCA RUBRA* var. *HETEROPHYLLA* (Lam.) Mutel **Shade fescue.**

Col. No. 17085. Granitic slope, Karyai, Athos. Elevation 1,800 feet. Fine-leaved perennial in forest openings.

249743. *FESTUCA* sp.

Col. No. 17090. Athos Mountains. Elevation 2,000 feet. Shade tolerant perennial; leaves long, narrow.

249744. *GENISTA* sp. Fabaceae.

Col. No. 17076. Mountain Athos. Elevation 2,000 feet. Leafy bush along chestnut forest trail.

249745. *GENISTA* sp.

Col. No. 17083. Karyai, Athos. Elevation 1,800 feet. Perennial bush, woody at base, to three feet high.

249746 to 249748. *HORDEUM BULBOSUM* L. Poaceae. **Bulbous barley.**

249746. Col. No. 16993. Coarse, dry, rocky soil, Messera, Crete. Elevation 400 feet. Weedy perennial along woods.

249747. Col. No. 17016. Dry rocky soil, 15 miles southeast of Hiraklion, Crete. Elevation 1,500 feet. Tall, caney perennial.

249748. Col. No. 17030. Mountain near Thebes. Elevation 2,000 feet. Perennial on protected reforested land.

249749. *LUZULA SILVATICA* (Huds.) Gaud. Juncaceae. **Woodrush.**

Col. No. 17101. Ierissos by Athos. Elevation 50 feet. Perennial in bottom-land meadow; cut for hay.

249750. *LATHYRUS SATIVUS* L. Fabaceae. **Grass peavine.**

Col. No. 17039. San Dimitros, Mount Olympos, Crete. Elevation 2,700 feet. Winter-spring annual; flowers yellow.

249751 and 249752. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**

249751. Col. No. 17002. Asomatos, Crete. Elevation 2,500 feet. Fine-leaved perennial.

249752. Col. No. 17126. Pefki, Pindhos Mountains. Elevation 2,500 feet. Perennial growing in meadow with some irrigation. Cut for hay.

249753. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

Col. No. 17099. Moist, sandy, river alluvium, Ierissos, Athos. Elevation 50 feet. Many-stemmed leafy perennial.

249754. *LOTUS ANGUSTISSIMUS* L. **Trefoil.**

Col. No. 17100. Moist sandy river bottom, Ierissos, Athos. Elevation 50 feet. Decumbent to erect perennial, thick, bushy, in clonal colonies; stems and leaves fine.

249755. *LOTUS ORNITHOPODIODES* L. **Trefoil.**

Col. No. 17014. Fifteen miles southeast of Hiraklion, Crete. Elevation 1,500 feet. Spreading winter-spring annual; seed pods ripening determinately.

249756. *TRIFOLIUM FILIFORME* L.

Col. No. 17062. Twelve miles north of Ierissos by Athos. Elevation 2,500 feet. Fine-stemmed, leafy perennial forming a dense cover to 1.5 feet high; flowers minute, yellow; seeds freely.

249757. *LOTUS ANGUSTISSIMUS* L. **Trefoil.**

Col. No. 17075. Rocky ground, Karyai, Athos. Elevation 1,800 feet. Diffuse perennial; fine-stemmed; small-leaved.

249758. *LUPINUS HIRSUTUS* L. Fabaceae. **European blue lupine.**

Col. No. 17009. Potamous Amari Canyon, Crete. Elevation 2,400 feet. Winter-spring annual; seed pods large, flat, in whorls.

249759. *LUPINUS* sp.

Col. No. 17043. San Dimitros, Olympus. Elevation 2,700 feet. Winter-spring annual; seed pods large.

249760. *LUPINUS* sp.

Col. No. 17079. Karyai, Athos. Elevation 1,800 feet. Annual spring herb to one foot high; crown branching; stem thick.

249761 and 249762. *MEDICAGO ARABICA* (L.) All. Fabaceae.

Spotted burclover.

249761. Col. No. 17042. San Dimitros, Olympus. Elevation 2,700 feet. Vigorous winter-spring annual; stems to three feet long; flowers yellow.

249762. Col. No. 17059. Fifteen miles north of Ierissos, Athos. Elevation 2,500 feet. Winter-spring annual.

249763. *ORYZOPSIS HOLCIFORMIS* (Bieb.) Hack. Poaceae. Ricegrass.

Col. No. 17143. Dry rocky soil, Menidhion. Elevation 500 feet. Perennial bunchgrass.

249764. *POA NEMORALIS* L. Poaceae. Wood bluegrass.

Col. No. 17088. Near Karyai, Athos. Elevation 2,000 feet. Coarse, succulent, perennial to three feet high.

249765. *POA HYBRIDA* Gaud. Bluegrass.

Col. No. 17086. Open granitic slope, Karyai, Athos. Elevation 1,800 feet. Succulent perennial in chestnut forest.

249766. *POA PRATENSIS* L. Kentucky bluegrass.

Col. No. 17091. Athos Mountains. Elevation 2,500 feet. Tall perennial; culms leafy and thick.

249767. *VICIA ANGUSTIFOLIA* L. Fabaceae. Narrowleaf vetch.

Col. No. 17041. San Dimitros, Olympus. Elevation 2,700 feet. Winter-spring annual; seed pods narrow.

249768. *VICIA* sp.

Col. No. 17081. Karyai, Athos. Elevation 1,800 feet. Plants large and bushy; flowers with purple banners and pale keels.

249769 to 249807. *COLEUS BLUMEI* var. *VERSCHAFFELTH* Lem. Menthaceae.

From Great Britain. Cuttings purchased from S. Pedley & Sons, near Kirkah, Preston, Lancashire, England. Received August 6, 1958.

249769. 'Afterglow'.

249770. 'Autumn'. Uniform reddish brown; a slow grower.

249771. 'Beauty'. Dark brown, edges turning red. A dark sport of 'Paisley Shawl'.

249772. 'Beckwith's Gem'. Leaves brown, edged green, turning crimson with pale yellow edge.

249773. 'Blackburn'.

249774. 'Bizarre Croton'. Bushy habit, medium vigour; leaves small narrow, green and white splashed with red and brown.

249775. 'Campfire'. Vigorous branching habit; leaves green, splashed brown; edges turning red and yellow.

249776. 'Celia'. Short bushy habit; leaves light chestnut brown with narrow frilled yellow-green edge.

249777. 'Crimson Velvet'. Leaves frilled, edge dark brown, center red. A good grower.

249778. 'Cristata'. Leaves frilled, green, center white.

249779. 'Dominant'.

249780. 'Doris'. A good grower; leaf center medium pink, edge medium green.

249781. 'Etna'. Leaves reddish brown, edge turning bright red. A dark sport of 'Campfire'.

249782. 'Excellent'. Leaves medium sized; edge dark brown, center red, plant of medium vigor.

249783. 'Freckles'. Leaves light yellow-green, splashed with shades of light brown, unusual.

249784. 'Glitter'. Leaves brown, edge green, turning red with golden yellow.

249785. 'Glory of Luxemborg'. Leaves bright chocolate-brown with narrow yellow-green crimped edge.

249786. 'Harlequin'. Leaf center green, edge turning cream, the whole splashed with red and brown. A sport of 'Paisley Shawl'.
249787. 'Laing's Croton'. Leaves narrow, color patterns minute varying from cream to red.
249788. 'Lord Falmouth'. Plant bushy; leaves small, green, veined brown, pink center.
249789. 'Moonbeam'. Leaves light yellow-green, turning cream; edge frilled.
249790. 'Paisley Shawl'. Leaf center green, stippled brown; edge turning cream, stippled with red. Unusual.
249791. 'Pegasus'.
249792. 'Picturatum'. Plant bushy; leaves small, brown-black with red centers.
249793. 'Pineapple Beauty'. Leaves yellow-green, turning gold with reddish-brown blotches.
249794. 'Poynton'. Plant vigorous; leaf edge dark green splashed with brown, center creamy white splashed with bright red.
249795. 'Red Croton'. Plant; leaves small, narrow, with red centers edged brown.
249796. 'Rust'. Plant has open habit; leaves large, crinkly orange-brown.
249797. 'Russet'. Leaves golden-brown with pink center, pale green edge.
249798. 'Salmon Croton'. Plant medium size, bushy; leaves long, narrow, brown with salmon-pink center.
249799. 'Skylark'. Leaves light green stippled with light brown.
249800. 'Sunbeam'. Leaves light green later turning yellow.
249801. 'Sunburst'. Leaves light yellow-green, splashed with brown and red.
249802. 'Sunset'. Plant of medium vigor; leaves medium sized, golden brown.
249803. 'Tapestry'. Plant vigorous; leaves brown with frilled edge, later turning bright red.
249804. 'Torch'. Leaves outstanding bright red.
249805. 'Twinkle'.
249806. 'Vesuvius'. Plant vigorous; leaves brown turning to bright brick-red.
249807. 'White Gem'. Leaves large, white stippled with green around the edge.

249808. HIPPEASTRUM MINIATUM Herb. Amaryllidaceae.

From Peru. Bulbs collected by Earl E. Smith, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 6, 1958.

'Aputocto'. Fifty-eight km. from Quince Mil, road to Cuzco. Elevation 2,300 meters. Flowers large, red.

249809 and 249810. PIPER NIGRUM L. Piperaceae. Black pepper.

From Thailand. Seeds presented by Prasert Bunnag, Bangkok. Received Aug. 6, 1958.

249809. 'Phrik-tai-dam'. Black.

249810. 'Phrik-tai-kae'. White.

249811 to 249822. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From Israel. Seeds presented by the Agricultural Research Station, Nye-Yaar. Received Aug. 7, 1958.

249811. CDF 13-1.

249814. G-4-48.

249812. CDF 33-1.

249815. N-150.

249813. E 38.

249816. N-163.

249817. NTF 5-1.

249820. NY-51.

249818. NFT 6-1.

249821. PIF-57.

249819. NFT 6-2.

249822. 'Zenati Bouteilla'.

249823 to 249857.

From Greece. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 7, 1958.

249823. *BRACHYPODIUM* sp. Poaceae.

Col. No. 17114. North of Ierissos, 20 miles from Arnaca. Elevation 2,000 feet. Perennial; cut for hay.

249824. *DORYCNium HERBACEUM* Vill. Fabaceae.

Col. No. 17110. North of Ierissos, 20 miles from Arnaca. Elevation 2,000 feet. Five-leaved perennial; flowers white.

249825. *JUNIPERUS* sp. Pinaceae.**Juniper.**

Col. No. 17025. Rocky slope near sea level, Elous (Elunda), Isle of Crete. symmetrical trees.

249826. *JUNIPERUS* sp.

Col. No. 17028. Rocky slope near Vaza, Athens-Thebes road. Elevation 1,500 feet. Low spreading trees.

249827. *JUNIPERUS* sp.

Col. No. 17034. San Dramitros, Olympus, Crete. Elevation 2,700 feet. Dense ornamental shrub; leaves pungent.

249828. *MEDICAGO LUPULINA* L. Fabaceae.**Black medic.**

Col. No. 17136. Alluvial floor of the 1,000 B.C. theatre, Dodono, Ipaerus Province. Elevation 2,300 feet.

249829 and 249830. *MEDICAGO ORBICULARIS* (L.) All.**Buttonclover.**

249829. Col. No. 17054. Thirty miles southeast of Salonika. Elevation 2,700 feet. Winter-spring annual.

249830. Col. No. 17147. Steep, rocky detrital slope, Delphi. Elevation 2,000 feet. Winter-spring annual.

249831. *MEDICAGO* sp.

Col. No. 17031. Mount Colidronum, Bralos Peak, Thebes-Larissa road. Winter-spring annual; closely grazed by sheep.

249832. *MYRTUS COMMUNIS* L. Myrtaceae.**True myrtle.**

Col. No. 17003. Asomatos, Isle of Crete. Elevation 2,500 feet. Evergreen ornamental; flowers white.

249833. *ORNITHOPUS COMPRESSUS* L. Fabaceae.

Col. No. 17047. San Dimitros, Olympus. Elevation 2,700 feet. Winter-spring annual; stem leafy, soft.

249834. *ORYZOPSIS COERLUSCENS* (Desf.) Hack. Poaceae.**Ricegrass.**

Col. No. 17150. Dry rocky slope, Delphi. Elevation 2,000 feet. Narrow-leaved perennial.

249835. *OXYTROPIS* sp. Fabaceae.

Col. No. 17152. Northern base of Mount Olympus. Elevation 1,000 feet. Well formed shrub; seed pods bladderlike.

249836 to 249839. *PHALARIS AQUATICA* L. Poaceae.**Large canarygrass.**

249836. Col. No. 17096. Ierissos, Athos. Elevation 30 feet.

Colony of clumps to five feet high; culms leafy.

249837. Col. No. 17144. Near Mesolongion. Elevation 300 feet. Coarse, thriving, perennial to five feet high.

249838. Col. No. 16992. Spontaneous along irrigation ditch, Messera, Crete. Apparently rhizomatous, forming spreading clumps.
249839. Col. No. 17005. Spontaneous in disturbed soils, Asomatos, Crete. Crete. Annual rainfall to 35 inches. Elevation 2,500 feet. Clonal thickets to four feet high; stemmy with little leaf.
- 249840 and 249841. *SANGUISORBA MINOR* Scop. Rosaceae. **Small burnet.**
249840. Col. No. 17049. San Dimitros, Olympus. Elevation 2,700 feet. Green and succulent perennial herb to 3 feet high.
249841. Col. No. 17135. Dry site, Dodono, Ipaerus Province. Elevation 2,300 feet. Winter-spring herb.
249842. *SECALE CEREALE* L. Poaceae. **Rye.**
- Col. No. 17040. San Dimitros, Olympus. Elevation 2,700 feet. Heads irregular size; stems long.
249843. *SCORPIURUS SULCATUS* L. Fabaceae.
- Col. No. 17015. Fifteen miles, southeast of Hiraklion. Elevation 1,500 feet. Winter-spring annual with basal rosette of leaves; stems spreading; palatable.
249844. *TRIFOLIUM CAMPESTRE* Schreb. Fabaceae. **Large hop clover.**
- Col. No. 17127. Natural pasture, Pefhi, Pindhos Mountains. Elevation 2,500 feet. Leafy winter-spring annual to 15 inches high; flowers yellow.
- 249845 and 249846. *TRIFOLIUM HIRTUM* All. **Rose clover.**
249845. Col. No. 17038. Dry rocky slope, San Dimitros, Olympus. Elevation 2,700 feet. Diffuse winter-spring annual.
249846. Col. No. 17046. San Dimitros, Olympus. Hairy winter-spring annual; corolla pinkish-red.
- 249847 and 249848. *TRIFOLIUM SUBTERRANEAN* L. **Subterranean clover.**
249847. Col. No. 17035. San Dimitros, Olympus. Elevation 2,700 feet. Plants low, spreading, mixed with *Trifolium repens*, *Sanguisorba*, etc.
249848. Col. No. 17061. Sixteen miles north of Ierissos, Athos. Elevation 2,500 feet. Plants forming a substrata under dense growth of taller herbs.
249849. *TRIFOLIUM* sp.
- Col. No. 17013. Dry rocky soil, 16 miles southeast of Hiraklion, Crete. Elevation 1,500 feet. Low, bushy, perennial. Apparently not very palatable, but forms good cover.
249850. *TRIFOLIUM* sp.
- Col. No. 17018. Rocky road, eight miles southeast of Hiraklion, Crete. Elevation 1,200 feet. Bushy perennial forming a good cover; flowers red.
249851. *TRIFOLIUM NIGRESCENS* Viv. **Ball clover.**
- Col. No. 17032. San Dimitros, Olympus. Elevation 2,700 feet. Diffuse, winter-spring annual; flowers white.
249852. *TRIFOLIUM REPENS* L. **White clover.**
- Col. No. 17033. San Dimitros, Olympus. Elevation 2,700 feet. Diffuse perennial; flowers white.
- 249853 and 249854. *TRIFOLIUM STRIATUM* L. **Striate clover.**
249853. Col. No. 17052. San Dimitros, Olympus. Elevation 3,200 feet. Leafy winter-spring herb.
249854. Col. No. 17050. Rocky slope, San Dimitros, Olympus. Elevation 2,700 feet. Winter-spring annual; calyces whitish.
249855. *TRIFOLIUM NIGRESCENS* Viv. **Ball clover.**
- Col. No. 17058. Sixteen miles north of Ierissos, Athos. Elevation 2,500 feet. Diffuse annual to eight inches high, growing with meadow herbs; flowers white.

249856. *TRIFOLIUM HYBRIDUM* var. *PRATENSE* Rabenh.

Col. No. 17132. Near Metzovon, Pindhos Mountains. Elevation 3,000 feet. Perennial herb in clonal colonies in meadow ; cut for hay.

249857. *TRIFOLIUM DOLOPICUM* Heldr. et Hausskn.

Col. No. 17151. Delphi. Elevation 2,000 feet. Winter-spring annual.

249858 and 249859. *ALLIUM BAKERI* Regel Liliaceae.

From Japan. Bulbs presented by the Agriculture Improvement Section, Kagawa Local Government, Tenjinmae, Takamatsu-shi. Received Aug. 8, 1958.

249858. 'Hana Rakkyo'. Improved small variety.

249859. 'Rakkyo'. Large native variety.

249860 to 249888.

From Greece. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 8, 1958.

249860. *ORYZOPSIS MILIACEA* (L.) Benth. & Hook. ex Aschers. & Schweinf.
Poaceae. **Smilgrass.**

Col. No. 17146. Dry rocky slope, Delphi. Elevation 2,000 feet. Tufted perennial.

249861. *SANGUISORBA* sp. Rosaceae.

Col. No. 17149. Dry rocky slope, Delphi. Elevation 2,000 feet. Perennial with green leaves and mature seeds.

249862. *STIPA* sp. Poaceae.

Col. No. 17104. Ierissos, Athos. Elevation 100 feet. Perennial; a deep meadow sod ; cut for hay.

249863. *TRIFOLIUM AGRARIUM* L. Fabaceae. **Hopclover.**

Col. No. 17080. Dry rocky slope, Karyai, Athos. Elevation 1,800 feet. Spring annual to one foot high in chestnut forest.

249864. *TRIFOLIUM ARVENSE* L. **Rabbitfoot clover.**

Col. No. 17073. Karyai, Athos. Elevation 1,800 feet. Erect, spreading spring annual to one foot high ; flowers white.

249865. *TRIFOLIUM CHERLERI* Just. **Clover.**

Col. No. 17138. Dodona, Ipaerus Province. Elevation 2,300 feet. Perennial with creepings stems.

249866. *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**

Col. No. 17107. River alluvium, Ierissos, Athos. Elevation 50 feet. Thriving colony forming a close cover.

249867. *TRIFOLIUM LAPPACEUM* L. **Lappa clover.**

Col. No. 17130. Dry soil, Pefhi, Pindhos Mountains. Elevation 2,500 feet. Winter-spring annual of little forage value.

249868. *TRIFOLIUM PALLIDUM* Waldst. & Kit. **Clover.**

Col. No. 17139. Dodona, Ipaerus Province. Elevation 2,300 feet. Winter-spring stemmy annual to two feet high.

249869. *TRIFOLIUM NIGRESCENS* Viv. **Ball clover.**

Col. No. 17137. Alluvium in 1,000 B.C. amphitheater, Dodona, Ipaerus Province. Elevation 2,300 feet. Winter-spring annual.

249870. *TRIFOLIUM PRATENSE* L. **Red clover.**

Col. No. 17109. Eighteen miles, north of Ierissos, Arnaia road. Elevation 2,000 feet. Thriving spontaneous population after fertilizing previous winter ; cut for hay.

249871 to 249876. TRIFOLIUM REPENS L. Whiteclover.

249871. Col. No. 17036. Well drained slope, San Dramitris, Olympus. Elevation 2,700 feet. Plant vigorous, just beginning to mature seed.

249872. Col. No. 17048. San Dimitros, Olympus. Elevation 2,800 feet. Perennial; flowers in pink on long peduncles.

249873. Col. No. 17065. Fifteen miles north of Ierissos, Athos. Elevation 2,500 feet. Vigorous strain forming thick cover in meadow pasture; seeding freely.

249874. Col. No. 17103. Ierissos, Athos. Elevation 50 feet. Spreading clone; flowers pink and white.

249875. Col. No. 17115. Eighteen miles north of Ierissos-Arnaca road. Elevation 2,000 feet. Clone; flowers white; calyx pink.

249876. Col. No. 17131. Pefhi, Pindhos Mountains. Elevation 2,500 feet. perennial herb dominated by grasses.

249877. TRIFOLIUM RESUPINATUM L. Fabaceae. Persian clover.

Col. No. 17133. Dodona, Ipaerus Province. Elevation 2,300 feet. Winter-spring annual growing in dense diffuse colonies.

249878. VICIA DASYCARPA Ten. Fabaceae. Woollypod vetch.

Col. No. 17142. Dodona, Ipaerus Province. Elevation 2,300 feet. Erect, diffuse annual.

249879. VICIA SATIVA L. Fabaceae. Common vetch.

Col. No. 17044. San Dimitros, Olympus. Elevation 2,700 feet. Winter-spring annual; stem to four feet long.

249880. VICIA LUTEA L. Vetch.

Col. No. 17037. Clay bank, San Dimitros, Olympus, Crete. Elevation 2,700 feet. Annual; stem leafy; flowers yellow; pod hairy.

249881. VICIA ANGUSTIFOLIA VAR. SEGETALIS (Thuill.) Koch Vetch.

Col. No. 17045. San Dimitros, Olympus. Elevation 2,700 feet. Common wayside annual.

249882. VICIA DASYCARPA Ten. Woollypod vetch.

Col. No. 17051. San Dimitros, Olympus. Elevation 2,700 feet. Winter-spring annual; seed pods short, roundish, glabrous.

249883. VICIA HIRSUTA (L.) S. F. Gray Tiny vetch.

Col. No. 17063. Fifteen miles north of Ierissos, Athos. Elevation 2,500 feet. Viney annual; leaves fine; stems to three feet long.

249884. VICIA sp.

Col. No. 17082. Chestnut forest, Karyai, Athos. Elevation 1,800 feet. Erect perennial herb to two feet high.

249885. VICIA sp.

Col. No. 17089. Athos Mountains. Elevation 2,500 feet. Plants erect, bushy to three feet high. Reportedly forage.

249886. VICIA SATIVA L. Common vetch.

Col. No. 17098. Ierissos, Athos. Elevation 50 feet. Spring annual with tall grasses.

249887. VICIA ANGUSTIFOLIA L. Narrowleaf vetch.

Col. No. 17112. Eighteen miles north of Ierissos, road to Arnaca. Elevation 2,000 feet. Annual to two feet high, common in meadow.

249888. (Undetermined.)

Col. No. 16994. Messara, Crete. Herb with poisonous bulb.

249889. NERINE SARNIENSIS var. CORUSCA Baker Amaryllidaceae.

From Great Britain. Bulbs presented by P. M. Vandertang, l'Islet Guernsey, English Channel. Received August 8, 1958.

'Major'. Flowers pale orange; petals less recurved than the botanical variety.

249890 to 249893.

From Kenya. Seeds presented by the East African Herbarium, Nairobi. Received August 11, 1958.

249890. *IPOMOEA HILDERBRANDTII* Vatke Convolvulaceae.

249891. *IPOMOEA HILDERBRANDTII* var. *MEGAENSIS* Verdcourt

249892. *IPOMOEA MARMORTA* Britt. & Rendle.

249893. *IPOMOEA OCHRACEA* G. Don

249894 to 249897. CUCUMIS LONGIPES Hook. f. Cucurbitaceae.

From the Union of South Africa. Seeds presented by the Department of Agriculture, Pretoria, Transvaal. Received Aug. 11, 1958.

Prostrate monoecious annual; leaves 2-4 inches long, similar to *C. ficifolius*, deeply cut into 5-7 obovate-round toothed lobes, scabrous on both surfaces; ovary echinate with short stiff prickles; fruit oblong, two inches long, on a stout, curved, peduncle 3-5 inches long, rounded at both ends, smooth and glabrous except for few scattered prickles; seeds 0.18 inch long, elliptic-oblong, pale brown, smooth, margins rounded.

249894. 'Gatooma 26'. Large fruited type with long spines. Originally from Southern Rhodesia.

249895. 'Gatooma 29'. Large fruited type with long spines. Originally from Southern Rhodesia.

249896. 'Clark No. 156'. Small fruited type. Originally from Northern Rhodesia.

249897. 'Jensen'. Originally from South West Africa.

249898 to 249922.

From Portugal, Greece, and Spain. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 11, 1958.

From Portugal unless otherwise noted.

249898 to 249903. *ALLIUM CEPA* L. Liliaceae.

Onion.

249898. Col. No. 16920. 'Cebola Valenciana'. Lisbon seed store.

249899. Col. No. 16921. 'Cebola Garrafal'. Lisbon seed store.

249900. Col. No. 16922. 'Cebola de Setusal'. Lisbon seed store.

249901. Col. No. 16923. 'Cebola Saloia'. Lisbon seed store.

249902. Col. No. 16941. 'Cebola Temprana o Babosa'. Estacion de Horticultura, Valencia, Spain. Early white variety. Does not keep well.

249903. Col. No. 16942. 'Cebola de Grano'. Estacion de Horticultura, Valencia, Spain. Indigenous, sweet, reddish variety maturing in August. keeps through the winter.

249904. *ASPHODELUS LUSITANICUS* Henriq. Liliaceae.

Col. No. 16919. Oeiras. Winter-spring perennial herb, used for skin diseases.

249905. *ASTER LINOSYRIS* (L.) Bernh. Asteraceae.

Col. No. 16926. Oeiras. Ornamental perennial in Mediterranean type climate. Native to Portugal.

249906. *BRASSICA RAPA* L. Brassicaceae. Turnip.
Col. No. 16958. 'Colinabo'. Market, Murcia, Spain.
- 249907 to 249911. *CAPSIUM FRUTESCENS* L. Solanaceae. Redpepper.
249907. Col. No. 16924. 'Pimentos da America'. Lisbon seed store.
249908. Col. No. 16925. 'Pimentos Morrones'. Lisbon seed store.
249909. Col. No. 16943. 'Pimento de Tres Puntas'. Estacion de Horticultura, Valencia, Spain. Small, sweet, green variety.
249910. Col. No. 16944. 'Pimiento de Cuatro Cantos'. Estacion de Horticultura, Valencia, Spain. Large 4-cornered variety.
249911. Col. No. 16945. 'Esmento Comicabra'. Estacion de Horticultura, Valencia, Spain. Green variety with slender rounded acuminate fruits.
249912. *HYPOCHAERIS RADICATA* L. Cichoriaceae.
Col. No. 17070. Fifteen miles north of Ierissos, Athos, Greece. Scapose annual weed.
249913. *CUCURBITA FICIFOLIA* Bouche Cucurbitaceae. Alcollota.
Col. No. 16956. 'Calabasa Celbolla Angel'. Market, Murcia, Spain.
249914. *CUCURBITA MAXIMA* Duchesne Squash.
Col. No. 16957. Market, Murcia, Spain. Summer squash.
249915. *CYNARA CARDUNCULUS* L. Asteraceae. Cardoon.
Col. No. 16946. 'Cardo'. Estacion de Horticultura, Valencia. Spain. Bleached leaves eaten as a vegetable.
249916. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.
Col. No. 16899. Mountains near Evora. Elevation 500 meters. Sparsely leaved perennial, seeding poorly and early.
249917. *LAVANDULA* sp. Menthaceae.
Col. No. 16897. Along road in sedimentary rocks, 38 km. northeast of Evora. Elevation 500 meters. Perennial to four dm. high, strongly aromatic.
249918. *MEDICAGO ORBICULARIS* (L.) All. Fabaceae. Buttonclover.
Col. No. 16913. Near Tavira. Winter-spring annual.
249919. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.
Col. No. 16954. 'Frijol Herraduca Argentinos'. Market, Murcia, Spain. Curling, flat-podded pole bean; eaten green. Irrigated.
249920. *SPINACIA OLERACEA* L. Chenopodiaceae. Common spinach.
Col. No. 16955. 'Espinaca Veroflay'. Market, Murcia, Spain.
249921. *TRIFOLIUM RESUPINATUM* L. Fabaceae. Persian clover.
Col. No. 16912. Near Tavira. Winter-spring annual liked by sheep.
249922. *VICIA LUTEA* L. Fabaceae. Vetch.
Col. No. 16914. Near Tavira. Determinate winter-spring annual.
- 249923 to 249926. *MALUS SYLVESTRIS* Mill. Malaceae. Common apple.
From New Zealand. Scions presented by the Department of Scientific and Industrial Research, Fruit Research Division, Auckland. Received August 11, 1958.
249923. 'Gravenstein'.
249924. 'Kidd's Orange'.
249925. 'King Cole'.
249926. 'Red Gravenstein Oratia Beauty'.

249927 to 249931.

From Mexico. Tubers collected by D. S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 11, 1958.

249927. *SOLANUM PINNATISECTUM* Dun. Solanaceae.

Col. No. 20303. Three miles east of Majalca, Chihuahua. Plant rigidly erect; tubers white, brittle.

249928. *SOLANUM* sp.

Col. No. 20049. Durango State. Flowers white, rotate-stellate.

249929. *SOLANUM* sp.

Col. No. 20075. Canyon of Rio Chico, north slopes, 18 miles west of Durango, Route No. 40, Durango. Flowers purplish-blue.

249930. *SOLANUM* sp.

Col. No. 20076. Canyon of Rio Chico, north slope, 18 miles west of Durango, Route 40, Durango.

249931. *SOLANUM* sp.

Col. No. 20135. Mimbres Canyon, 26 miles west of Durango Route 40, Durango. Flowers small, purple to lavender-white.

249932 to 249936.

From Greece. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 11, 1958.

From the Salonika Agricultural Farm, Salonika.

249932 and 249933. *AVENA SATIVA* L. Poaceae.

Common oats.

249932. F46832.

249933. F49970.

249934 and 249935. *HORDEUM VULGARE* L. Poaceae.

Common barley.

249934. No. 1979.

249935. No. 47014. Reported to have resistance to *Helminthosporium*.

249936. *SECALE CEREALE* L. Poaceae.

Rye.

Col. No. 3115.

249937. *MEDICAGO ARBOREA* L. Fabaceae.

Tree alfalfa.

From Greece. Seed presented by the Seed Testing Laboratory, Kalogreza, Chalandri, Athens. Received Aug. 11, 1958.

249938 to 249944. *LUPINUS ANGUSTIFOLIUS* L. Fabaceae.

Blue lupine.

From Australia. Seed presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Aug. 12, 1958.

249938. C.P.I. 10042. Formerly from Germany.

249939. C.P.I. 10348. Formerly from Bulgaria.

249940. C.P.I. 11480. Formerly from Portugal.

249941. C.P.I. 16361. Formerly from South Africa.

249942. C.P.I. 16580. Formerly from Portugal.

249943. C.P.I. 16581. Formerly from Portugal.

249944. C.P.I. 16582. Formerly from Portugal.

249945. *ACANTHOSICYOS HORRIDA* Welw. Cucurbitaceae.

From South West Africa. Seeds presented by the Director of Agriculture, Windhoek. Received Aug. 12, 1958.

249946 to 249999.

From Iran. Seed collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 12, 1958.

Collected June 1, 2, and 3, 1958, on Ahvaz-Dizful road, via Shush and Andimishk, unless otherwise noted.

249946 to 249949. *CARTHAMUS GLAUCUS* Bieb. Asteraceae.

249946. Col. No. K871.

249947. Col. No. K882. Flower blue.

249948. Col. No. K883. Flower white.

249949. Col. No. K895.

249950 to 249953. *CARTHAMUS LANATUS* L.

249950. Col. No. K857. Flowers light yellow.

249951. Col. No. K860.

249952. Col. No. K867. East of sugar cane field, old site of Haft Tape. Flowers light yellow.

249953. Col. No. K869. Flowers light yellow.

249954 to 249980. *CARTHAMUS OXYACANTHA* Bieb.

249954. Col. No. K827. Plant pubescent and glabrous.

249955. Col. No. K828. Six miles north of Abadan. Plant vigorous, pubescent, glabrous.

249956. Col. No. K831. Fifty-four miles north of Abadan. Plant pubescent, glabrous; heads small.

249957. Col. No. K832. Near airport, Ahvaz. Plant to 30 inches high, pubescent, glabrous.

249958. Col. No. K833. Ten miles east of Ahvaz. Plant to 12 inches high; pubescent.

249959. Col. No. K834. Seven miles east of Ahvaz. Plant to 30 inches high, pubescent.

249960. Col. No. K835. Plant to 30 inches high, glabrous.

249961. Col. No. K837. Three miles east of Ahvaz. Plants pubescent.

249962. Col. No. K838. Four and one-half miles south of Ahvaz. Plant to five feet high, vigorous.

249963 to 249975. Plants pubescent.

249963. Col. No. K842.

249964. Col. No. K843.

249965. Col. No. K851.

249966. Col. No. K858.

249967. Col. No. K861.

249968. Col. No. K863. Canefield south of Shush.

249969. Col. No. K866.

249970. Col. No. K870.

249971. Col. No. K872.

249972. Col. No. K873. Fifteen miles north of Shush.

249973. Col. No. K880.

249974. Col. No. K881.

249975. Col. No. K888.

249976 to 249979. Glabrous.

249976. Col. No. K889. Fifteen miles southeast of Dizful.

249977. Col. No. K890. Eighteen miles southeast of Dizful.
 249978. Col. No. K892. West of Roman Aqueduct ruins, Shush.
 249979. Col. No. K893. Junction south of Shushtar.
 249980. Col. No. K894. Ten miles south of Shushtar Junction.
 249981 and 249982. *CICER ARIETINUM* L. Fabaceae. Chickpea.
 249981. Col. No. K822.
 249982. Col. No. K841.
 249983. *HORDEUM SPONTANEUM* C. Koch Poaceae. Barley.
 Col. No. K865.
 249984. *HORDEUM* sp.
 Col. No. K793.
 249985. *HORDEUM* sp.
 Col. No. K844. Twenty-eight miles north of Ahvaz. Threshing area, El Hahy.
 249986. *HORDEUM* sp.
 Col. No. K845.
 249987. *HORDEUM* sp.
 Col. No. K874. Threshed grain.
 249988. *HORDEUM* sp.
 Col. No. K875.
 249989 to 249993. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
 249989. Col. No. K782. Tabriz.
 249990. Col. No. K783. Tehran.
 249991. Col. No. K784. Hamedan.
 249992. Col. No. K813. 'Bazrack'.
 249993. Col. No. K839. Bazaar in Ahvaz.
 249994 to 249996. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
 249994. Col. No. K796. Yazd.
 249995. Col. No. K797. Hamedan.
 249996. Col. No. K825.
 249997. *PHALARIS MINOR* Retz. Poaceae. Littleseed canarygrass
 Col. No. K830. Plant to 20 inches high.
 249998 to 249999. *PHALARIS CANARIENSIS* L. Canarygrass
 249998. Col. No. K794.
 249999. Col. No. K795. 'Katan'.
 250000. *CARTHAMUS* sp. Asteraceae.
 From Pakistan. Seeds presented by the United States Embassy, Peshawar. Received August 13, 1958.
 250001. *POA* sp. Poaceae.
 From Yugoslavia. Plants collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 13, 1958.
 Col. No. 17248. Lake Ohrid, Macedonia. Elevation 3,000 feet. Fine-weaved diminutive perennial forming dense, close turf.
 250002. *GLYCINE MAX* (L.) Merr. Fabaceae. Soybean.
 From Poland. Seeds presented by an unknown donor. Received Aug. 13, 1958. 'Bydgoska 0 52'.

250003 to 250052.

From Iran and Egypt. Seed collected by P. F. Knowles, collaborator. New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 13, 1958.

(Collected June 1, 2, and 3, 1958, Ahvaz-Dizful road via Shush and Andimishk, Iran, unless otherwise noted.)

250003. *DICHANTHIUM ANNULATUM* (Forsk.) Stapf Poaceae. Palwan.

Col. No. K887.

250004. *BRASSICA RAPA* L. Brassicaceae. Turnip.

Col. No. K973. Bazaar, Cairo, Egypt.

250005. *BROMUS HORDEACEUS* L. Poaceae.

Col. No. K829. Plant to 10 inches high.

250006 to 250012. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.

250006. Col. No. K787.

250007. Col. No. K788.

250008. Col. No. K814. Hashhad.

250009. Col. No. K815.

250010. Col. No. K816.

250011. Col. No. K817.

250012. Col. No. K818.

250013. *CARTHAMUS* sp.

Col. No. K868. Flowers blue; heads early.

250014. *CARTHAMUS* sp.

Col. No. K879.

250015. *CARTHAMUS* sp.

Col. No. K884. Flowers light yellow; sterile.

250016. *CARTHAMUS* sp.

Col. No. K891.

250017. *CENTAUREA* sp. Asteraceae.

Col. No. K885. Flowers yellow.

250018. *CEPHALARIA* sp. Dipsacaceae.

Col. No. K855.

250019. *HELIANTHUS ANNUUS* L. Asteraceae. Common sunflower.

Col. No. K800.

250020. *LACTUCA SATIVA* L. Cichoriaceae. Garden lettuce.

Col. No. K1020. Grown in upper Egypt. Seeds contain about 30% edible oil.

250021. *LEPIDIUM LATIFOLIUM* L. Brassicaceae. Pepperweed.

Col. No. K972. 'Ghurgeer'. Bazaar, Cairo, Egypt.

250022. *LEPIDIUM SATIVUM* L. Garden cress.

Col. No. K979. 'Rashed'. Bazaar, Cairo, Egypt.

250023. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.

Col. No. K803. 'Chaman'. Lawnglass.

250024. *ONOBRYCHIS VICIAEFOLIA* Scop. Fabaceae. Sainfoin.

Col. No. K805. 'Espers'.

250025. *SETARIA ITALICA* (L.) Beauv. Poaceae. Foxtail millet.

Col. No. K802. 'Arzan.'

- 250026 to 250028. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
 250026. Col. No. K785.
 250027. Col. No. K786.
 250028. Col. No. K859. Shattering perennial, border of field.
- 250029 to 250032. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
 250029. Col. No. K778. Teheran bazaar.
 250030. Col. No. K779.
 250031. Col. No. K780.
 250032. Col. No. K781.
250033. *SORGHUM BICOLOR* (L.) Moench. Poaceae.
 250034. *TRIFOLIUM CAMPESTRE* Schreb. Fabaceae. Large hop clover.
 Col. No. K852. Plant to eight inches high.
- 250035 to 250038. *TRIFOLIUM RESUPINATUM* L. Persian clover.
 250035. Col. No. K798.
 250036. Col. No. K826.
 250037. Col. No. K852. Plant to 10 inches high, abundant.
 250038. Col. No. K854.
- 250039 to 250050. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
 250039. Col. No. K789. From Shahriar.
 250040. Col. No. K790. Varamen. Best quality.
 250041. Col. No. K791.
 250042. Col. No. K792. A mixture from Tehran dealers.
 250043. Col. No. K846.
 250044. Col. No. K847.
 250045. Col. No. K848.
 250046. Col. No. K849.
 250047. Col. No. K850.
 250048. Col. No. K876.
 250049. Col. No. K877.
 250050. Col. No. K878.
250051. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Common cowpea.
 Col. No. K821.
250052. *ZEA MAYS* L. Poaceae. Corn.
 Col. No. K823.
- 250053 to 250064. *HEVEA BRASILIENSIS* (A. Juss.) Muell.-Arg.
 Euphorbiaceae. Para rubber tree.
 From Malaya. Clones presented by the Rubber Research Institute of Malaya,
 Kuala Lumpur. Received Aug. 14, 1958.
- Grown at Rubber Research Institute Experiment Station, Sungei Buloh,
 Selangor.
250053. 'AVROS 385'. 250057. GX 20909.
 250054. GX 20899. 250058. PR. 226.
 250055. GX 20900. 250059. PR 228.
 250056. GX 20908. 250060. PR 231.

250061 to 250065.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 14, 1958.

250061. IRIS sp. Iridaceae.

Col. No. 17254. Lake Prespa, Macedonia. Elevation 3,500 feet. Plants shoulder high in swamp.

250062. PRUNUS AVIUM L. Amygdalaceae.

Sweet cherry.

Col. No. 17227. West of Mavrosko Lake, Macedonia. Elevation 3,500 feet. Fruits purchased from mountaineer.

250063 to 250065. PRUNUS CERASIFERA Ehrh.

Myrobalan plum.

250063. Col. No. 17164. Steubel, north of Vranje. Fruits sweet, small, yellow.

250064. Col. No. 17165. Fifteen miles north of Vranje. Foliage dark green; fruits dark red, sour when ripe.

250065. Col. No. 17166. Fifteen miles north of Vranje. Tree medium size; branches long; foliage light green; fruits yellowish, with bright pink flush.

250066. BROMUS ARVENSIS L. Poaceae.

Field brome.

From Sweden. Seed presented by the Swedish Seed Association, Svalof. Received Aug. 14, 1958.

'Svalof'.

250067 to 250071.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Aug. 14, 1958.

250067. LUPINUS ANGUSTIFOLIUS L. Fabaceae.

Blue lupine.

Formerly from New Zealand.

250068. LUPINUS LUTEUS L.

European yellow lupine.

C. P. I. 16360. Collected in South Africa.

250069 to 250071. LUPINUS TERMINUS Forsk.

Lupine.

250069. C.P.I. 15533. Collected in the Sudan.

250070. C.P.I. 17446. ECR/1448. Formerly from the Sudan.

250071. C.P.I. 17830. K51152. Formerly from Kenya.

250072 and 250073. TRIFOLIUM ALEXANDRINUM L. Fabaceae.

Berseem clover.

From Israel. Seed presented by the Agricultural Research Station, Rehovot. Received Aug. 15, 1958.

250072. 'Fahli'. Single cut.

250073. 'Mesquavi'. Multicut.

250074 to 250107.

From Egypt. Seed collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 15, 1958.

Purchased in a Cairo bazaar, unless otherwise noted.

250074. CANAVALLIA ENSIFORMIS (L.) DC. Fabaceae.

White jackbean.

Col. No. K993.

250075 to 250083. CARTHAMUS TINCTORIUS L. Asteraceae.

Safflower.

250075. Col. No. K1011. 'Urtum'; 'Gurtum'.

250076. Col. No. K1012.

250077. Col. No. K1013.
 250078. Col. No. K1014.
 250079. Col. No. K1015.
 250080. Col. No. K1016.
 250081. Col. No. K1017. From Said.
 250082. Col. No. K1018. From Oil Crops Section, Plant Breeding Station,
 Giza. Plant spineless.
 250083. Col. No. K1019. From Oil Crops Section, Plant Breeding Station,
 Giza. Plant spiny.
250084. *CORCHORUS OLITORIUS* L. Tiliaceae. **Jute.**
 Col. No. K971. 'Molakhia'.
250085. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**
 Col. No. K998. 'Abadsens'.
- 250086 and 250087. *HIBISCUS CANNABINUS* L. Malvaceae. **Kenaf.**
 250086. Col. No. K989. 'Til'.
 250087. Col. No. K989. 'Til'.
- 250088 to 250093. *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**
 250088. Col. No. K1005.
 250089. Col. No. K1006. 'Katan'.
 250090. Col. No. K1007. 'Katan'.
 250091. Col. No. K1008.
 250092. Col. No. K1009. 'Katan'.
 250093. Col. No. K1010. 'Katan'.
250094. *LUPINUS ALBUS* L. Fabaceae. **White lupine.**
 Col. No. K992. 'Termis'.
250095. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**
 Col. No. K997.
250096. *ECHINOCHLOA CRUSGALLI* (L.) Beauv. Poaceae. **Barnyard grass.**
 Col. No. K991. 'Naba'.
250097. *PHALARIS CANARIENSIS* L. Poaceae. **Canarygrass.**
 Col. No. K990.
250098. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**
 Col. No. K999.
- 250099 to 250103. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
 250099. Col. No. K1000. 'Simsim'.
 250100. Col. No. K1001. 'Simsim'.
 250101. Col. No. K1002. 'Simsim'.
 250102. Col. No. K1003. 'Simsim'.
 250103. Col. No. K1004. 'Simsim'.
250104. *SORGHUM SUDANENSE* (Piper) Stapf Poaceae. **Sudangrass.**
 Col. No. K987. 'Bezra'. Broomcorn type.
250105. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. **Berseem clover.**
 Col. No. K996. 'Burseem'.
250106. *TRIGONELLA FOENUM-GRAECUM* L. Fabaceae. **Fenugreek.**
 Col. No. K995. 'Helva'.

250107. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Common cowpea.
Col. No. K994. 'Lubia'.
250108. *SPARTINA TOWNSENDII* H. & J. Groves Poaceae. Cordgrass.
From Great Britain. Plants presented by the Dunn Farms Seeds, Salisbury, Wiltshire, England. Received Aug. 15, 1958.
250109. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.
From Spain. Seed presented by Lewis P. Van Wald, Rota. Received Aug. 18, 1958.
- 250110 to 250112. *SOLANUM TUBEROSUM* L. Solanaceae. Potato.
From Brazil. Tubers presented by F. F. Guimaraes, Domingas Petrolini, Rio Grande. Received Aug. 18, 1958.
250110. B2969-15.
250111. X598-4.
250112. Z806-1.
- 250113 to 250115.
From the British West Indies. Presented by the Imperial College of Tropical Agriculture, St. Augustine, Trinidad. Received Aug. 18, 1958.
250113. *MUCUNA BENNETTII* F. Muell. Fabaceae. (Plants.)
250114. *MUCUNA NOVOGUINEENSIS* Scheff. (Plants.)
250115. *MUCUNA ROSTRATA* Benth. (Seeds.)
250116. *HYPTIS SPICIGERA* Lam. Menthaceae.
From Gambia. Seeds presented by the Department of Agriculture, Cape St. Mary. Received Aug. 18, 1958.
- 250117 and 250118. *RHEUM RHAPONTICUM* L. Polygonaceae. Common rhubarb.
From the Netherlands. Seeds presented by the Institute of Horticultural Plant Breeding, Wageningen. Received Aug. 19, 1958.
250117. No. 58004. 'Appleton's Forcing'.
250118. No. 58005. 'Timperley Early'.
- 250119 to 250122. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae. Sweetpotato.
From Argentina. Tubers presented by the Facultad de Agronomia, Universidad Nacional de Tucuman, Tucuman. Received Aug. 19, 1958.
250119. 'Brasilera Blanca'.
250120. 'Brasilera Colorada'.
250121. 'Criolla Amarilla Blanca'.
250122. 'Criolla Blanca'.
- 250123 and 250124. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.
From the Netherlands. Seeds presented by the Institute for Horticultural Plant Breeding, Wageningen. Received Aug. 20, 1958.
Originally from the U.S.S.R.
250123. 'Anait'. No. 56311.
250124. 'Oktjabrenok'. No. 57342.
250125. *PINUS* sp. Pinaceae.
From Guatemala. Seeds presented by the Ministerio de Agricultura, Guatemala City. Received Aug. 21, 1958.

250126 to 250239.

From Pakistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 22, 1958.

250126. *HIBISCUS ESCULENTUS* L. Malvaceae. Okra.

Col. No. K640. Gujrat bazaar.

250127 and 250128. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. Broccoli.

250127. Col. No. K643. Gujrat bazaar.

250128. Col. No. K644. 'Phool Ghabi'. Gujrat bazaar.

250129. *BRASSICA CAMPESTRIS* L. Bird rape.

Col. No. K391. Kharianwala, 28 miles from Lahore, road to Lyallpur.

250130. *BRASSICA JUNCEA* (L.) COSS. Chinese mustard.

Col. No. K398. District Gujrat, 70 miles north of Lahore.

250131. *BRASSICA* sp.

Col. No. K402. District Gujrat.

250132. *BRASSICA CAMPESTRIS* var. *SARSON* Prain Sarson.

Col. No. K404. District Gujrat, Village Marja, nine miles north of Gujrat.

250133. *BRASSICA* sp.

Col. No. K412. East of Gujrat, 16 miles from Bhajowal.

250134. *BRASSICA JUNCEA* (L.) COSS. Chinese mustard.

Col. No. K414. Twelve miles northeast of Gujrat.

250135. *BRASSICA NAPUS* L. Rape.

Col. No. K421. Rawalpindi-Murree road.

250136. *BRASSICA CAMPESTRIS* L. Bird rape.

Col. No. K430. Rawalpindi-Murree road.

250137. *BRASSICA* sp.

Col. No. K443. Near Abbotabad.

250138. *BRASSICA CAMPESTRIS* L. Bird rape.

Col. No. K529. Peshawar bazaar.

250139 and 250140. *BRASSICA JUNCEA* (L.) COSS. Chinese mustard.

250139. Col. No. K615. Lahore bazaar.

250140. Col. No. K628. Gujrat bazaar.

250141. *CAPRICUM FRUTESCENS* L. Solanaceae. Redpepper.

Col. No. K488. Thirty-seven miles east of Rawalpindi.

250142 to 250144. *CICER ARIETINUM* L. Fabaceae. Chickpea.

250142. Col. No. K422. Rawalpindi-Murree road.

250143. Col. No. K516. Peshawar bazaar.

250144. Col. No. K573. Campbellpur bazaar.

250145 and 250146. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.

250145. Col. No. K631. 'Tinda'. Gujrat bazaar.

250146. Col. No. K642. 'Tarbooz'. Gujrat bazaar.

250147. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.

Col. No. K645. Gujrat bazaar.

250148. *Diospyros* sp. *Diospyraceae*.

Col. No. K485. Thirty-seven miles east of Rawalpindi.

250149 to 250152. *ERUCA SATIVA* Mill. *Brassicaceae*. **Rocket-salad.**

250149. Col. No. K392. Kharianwala, 28 miles from Lahore, Lyallpur road.

250150. Col. No. K393. 'Tara Mera'. Kharianawala, 28 miles from Lahore, Lyallpur road.

250151. Col. No. K417. Beowali, three miles from Gujrat, Ralapur Tattan road.

250152. Col. No. K431. 'Tara Mera'. Rawalpindi-Murree road.

250153 to 250158. *LENS CULINARIS* Medic. *Fabaceae*. **Lentil.**

250153. Col. No. K424. Rawalpindi-Murree road.

250154. Col. No. K449. Near Abbotabad.

250155. Col. No. K495. Road to Koth, 37 miles east of Rawalpindi.

250156. Col. No. K521. Peshawar bazaar.

250157. Col. No. K632. Gujrat bazaar.

250158. Col. No. K633. Gujrat bazaar.

250159. *LEPIDIUM SATIVUM* L. *Brassicaceae*. **Garden cress.**

Col. No. K526. Peshawar bazaar.

250160. *LUFFA CYLINDRICA* (L.) Roemer *Cucurbitaceae*. **Suakwa towelgourd.**

Col. No. K648. Gujrat bazaar.

250161 and 250162. *PHASEOLUS AUREUS* Roxb. *Fabaceae*. **Mung bean.**

250161. Col. No. K486. Road to Kotli, 37 miles east of Rawalpindi.

250162. Col. No. K520. Peshawar bazaar.

250163 and 250164. *PHASEOLUS MUNGO* L. **Urd.**

250163. Col. No. K484. Road to Kotli, 37 miles east of Rawalpindi.

250164. Col. No. K519. Peshawar bazaar.

250165 and 250166. *PHASEOLUS VULGARIS* L. **Common bean.**

250165. Col. No. K452. Haupur bazaar.

250166. Col. No. K518. Peshawar bazaar.

250167 and 250168. *RAPHANUS SATIVUS* L. *Brassicaceae*. **Radish.**

250167. Col. No. K425. Rawalpindi-Murree road.

250168. Col. No. K646. Gujrat bazaar.

250169. *RUBUS* sp. *Rosaceae*.

Col. No. K475. Kotli, 37 miles east of Rawalpindi.

250170. *RUBUS* sp.

Col. No. K500.

250171 to 250239. Received August 25, 1958.

250171 to 250173. *CARTHAMUS LANATUS* L. *Asteraceae*.

250171. Col. No. K460. Six and half miles west of Abbotabad. Plants to 24 inches high.

250172. Col. No. K578. Forty-one miles east of Peshawar. Plants to 26 inches high; flowers light yellow.

250173. Col. No. K587. One half mile west of Peshawar, Khyber Pass Road.

250174 to 250178. *CARTHAMUS OXYACANTHA* Bieb.

250174. Col. No. K446. Abbottabad, three miles west of Haripur.

250175. Col. No. K571. Six miles south of Campbellpur.

250176. Col. No. K584. Six miles south of Mardan.

250177. Col. No. K586. One mile west of Peshawar, Khyber Pass Road.
Flowers light yellow.

250178. Col. No. K650. Jalalpur, east of Gujrat.

250179 to 250208. *CARTHAMUS TINCTORIUS* L.

Safflower.

250179. Col. No. K416. Five miles from Gujrat, Jalalpur Gattan road.

250180. Col. No. K419. 'Beowali'. Three miles northeast of Gujrat,
Jalalpur-Jattan road.

250181. Col. No. K62. 'Kusumba'. Haripur, 20 miles west of Abbottabad.

250182. Col. No. K468. 'Kusumba'. Rawalpindi bazaar.

250183. Col. No. K503. Murree bazaar.

250184. Col. No. K504. Murree bazaar.

250185. Col. No. K505. (No field note.)

250186. Col. No. K513. Raja bazaar, Rawalpindi.

250187 to 250191. Lahore bazaar.

250187. Col. No. K591.

250188. Col. No. K593.

250189. Col. No. K594.

250190. Col. No. K597.

250191. Col. No. K599.

250192. Col. No. K622. Gujrat bazaar.

250193. Col. No. K623. Gujrat bazaar.

250194. Col. No. K649. Jalalpur, east of Gujrat.

250195. Col. No. K652. 'Kusumba'. Five miles northeast of Gujrat.

250196 to 250205. Laddahsadda, four miles east of Gujrat.

250196. Col. No. K653.

250197. Col. No. K654.

250198. Col. No. K655.

250199. Col. No. K656.

250200. Col. No. K657.

250201. Col. No. K658.

250202. Col. No. K659.

250203. Col. No. K660.

250204. Col. No. K661.

250205. Col. No. K662.

250206 to 250208. Wazirabad bazaar.

250206. Col. No. K663.

250207. Col. No. K664.

250208. Col. No. K665.

250209. *CARTHAMUS* sp.

Col. No. K410. 'Pohli'. East of Gujrat, 16 miles from Bhagowal.

250210. *CICER ARIETINUM* L. Fabaceae. Chickpea.
Col. No. K448. Abbottabad.
- 250211 to 250214. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae. Guar.
Gujrat bazaar.
250211. Col. No. K634.
250212. Col. No. K635.
250213. Col. No. K636.
250214. Col. No. K637.
250215. *PENNISSETUM SPICATUM* (L.) Willd. Poaceae. Pearl millet.
Col. No. K647. Bajra.
- 250216 and 250217. *LINUM STRICTUM* L. Linaceae. Flax.
250216. Col. No. K434. Rawalpindi-Murree road. Flowers small, yellow.
250217. Col. No. K579. Near Sadikabad, 35 miles northeast of Peshawar.
Plant to 10 inches high.
- 250218 to 250224. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
250218. Col. No. K399. Gujrat, 70 miles north of Lahore.
250219. Col. No. K415. Five miles from Jalalpur Jattan road.
250220. Col. No. K418. Three miles northeast of Gujrat, Jalalpur Jattan road.
250221. Col. No. K457. Near Abbottabad.
250222. Col. No. K466. Hassan Abdal.
250223. Col. No. K625. Gujrat bazaar.
250224. Col. No. K651. Jalalpur, east of Gujrat.
- 250225 and 250226. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
250225. Col. No. K459. Terrace margin, six miles west of Abbottabad.
250226. Col. No. K620. Old Hindu Temple, Gujrat, east of large pool.
Plants to 15 feet high.
- 250227 to 250229. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
250227. Col. No. K429. Rawalpindi-Murree road.
250228. Col. No. K613. Lahore bazaar.
250229. Col. No. K614. Lahore bazaar.
- 250230 to 250234. *SORGHUM BICOLOR* (L.) Moench Poaceae.
250230. Col. No. K451. Near Abbottabad.
250231. Col. No. K610. Lahore bazaar.
250232. Col. No. K638. Gujrat bazaar.
250233. Col. No. K639. Gujrat bazaar.
250234. Col. No. K641. Gujrat bazaar.
250235. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.
Col. No. K487. Thirty-seven miles east of Rawalpindi.
- 250236 and 250237. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
250236. Col. No. K427. Rawalpindi-Murree road.
250237. Col. No. K630. Gujrat bazaar.
250238. *VIGNA CYLINDRICA* (L.) Skeels Fabaceae. Catiang-pea.
Col. No. K522. Peshawar bazaar.
250239. *ZEA MAYS* L. Poaceae. Corn.
Col. No. K489. Kotli road, 37 miles east of Rawalpindi.

250240 to 250288. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Northern Sugar Experiment Station, Brisbane, Queensland. Received Aug. 25, 1958.

250240. 57NG 5.	250265. 57NG 116.
250241. 57NG 10.	250266. 57NG 123.
250242. 57NG 31.	250267. 57NG 126.
250243. 57NG 34.	250268. 57NG 133.
250244. 57NG 35.	250269. 57NG 136.
250245. 57NG 36.	250270. 57NG 146.
250246. 57NG 37.	250271. 57NG 149.
250247. 57NG 41.	250272. 57NG 150.
250248. 57NG 43.	250273. 57NG 154.
250249. 57NG 52.	250274. 57NG 156.
250250. 57NG 57.	250275. 57NG 161.
250251. 57NG 59.	250276. 57NG 163.
250252. 57NG 67.	250277. 57NG 166.
250253. 57NG 69.	250278. 57NG 169.
250254. 57NG 71.	250279. 57NG 172.
250255. 57NG 73.	250280. 57NG 168.
250256. 57NG 79.	250281. 57NG 187.
250257. 57NG 80.	250282. 57NG 199.
250258. 57NG 81.	250283. 57NG 220.
250259. 57NG 88.	250284. 57NG 223.
250260. 57NG 99.	250285. 57NG 224.
250261. 57NG 92.	250286. 57NG 225.
250262. 57NG 95.	250287. 57NG 230.
250263. 57NG 100.	250288. 57NG 240.
250264. 57NG 111.	

250289. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From the Netherlands. Seeds presented by the Rijksproefstation voor Zaadcontrole Wageningen, Wageningen. Received Aug. 26, 1958.

RPV 2.

250290 to 250418.

From West Pakistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 26, 1958.

250290. *ASTRAGALUS* sp. Fabaceae.

Col. No. K477.

250291 to 250296. *CARTHAMUS LANATUS* L. Asteraceae.

250291. Col. No. K453. Two miles southeast of Haripur. Plant to 30 inches high; flowers pale.

250292. Col. No. K539. Risalpur, north of Nowshera.

250293. Col. No. K562. Two miles south of Peshawar. Plant to 30 inches high; flowers white.

250294. Col. No. K572. Plant to 30 inches high; flowers white.

250295. Col. No. K582. Plants to 30 inches high.

250296. Col. No. K583. Plants to 30 inches high; flowers light-yellow.

250297 to 250334. *CARTHAMUS OXYACANTHA* Bieb.

250297. Col. No. K385. Nine miles from Lyallpur, new road to Lahore.
250298. Col. No. K386. Eighteen miles from Lyallpur, new road to Lahore.
250299. Col. No. K387. Thirty-two miles from Lyallpur, new road to Lahore.
250300. Col. No. K388. Forty miles from Lyallpur, new road to Lahore.
250301. Col. No. K394. Twenty-eight miles from Lahore, new road to Lyallpur.
250302. Col. No. K395. Twenty-four miles north of Lahore, Grand Trunk road.
250303. Col. No. K396. 'Pohli'. One mile south of Gujranwala, Grand Trunk road.
250304. Col. No. K408. 'Pohli'. Southeast of Majara.
250305. Col. No. K420. 'Pohli'. Rawalpindi-Muree road.
250306. Col. No. K426. 'Pohli'.
250307. Col. No. K444. 'Pohli'. One mile south of Nicholson Monument, 15 miles from Rawalpindi.
250308. Col. No. K445. 'Pohli'. East of Hassan Abdal.
250309. Col. No. K454. 'Pohli'.
250310. Col. No. K463. Below ruins, Jaulian.
250311. Col. No. K464. Five miles south of Hassan Abdal.
250312. Col. No. K473. Thirty-seven miles east of Rawalpindi.
250313. Col. No. K540.
250314. Col. No. K541. Matures later than typical form.
250315. Col. No. K542. Flowers white.
250316. Col. No. K545. One and one-half miles south of Rashaki.
250317. Col. No. K546.
250318. Col. No. K552. Five miles west of Mardan.
250319. Col. No. K553. Six miles north of Peshawar.
250320. Col. No. K555. Six and one-half miles south of Pabbi.
250321. Col. No. K561. Two miles south of Peshawar.
250322. Col. No. K563. Four miles south of Peshawar.
250323. Col. No. K564. Twelve miles south of Peshawar.
250324. Col. No. K565. Three and one-half miles east of Kohat.
250325. Col. No. K566. Fifteen miles east of Kohat.
250326. Col. No. K567. One-half mile east of Indus River from Kohat-Rawalpindi bridge.
250327. Col. No. K568. Ten miles east of Indus River from Kohat-Rawalpindi bridge.
250328. Col. No. K569. Twenty-six miles from Indus River from Kohat-Rawalpindi bridge.
250329. Col. No. K570. Nine miles south of Campbellpur.
250330. Col. No. K576. Eight miles east of Attock.
250331. Col. No. K577. Forty-one miles east of Peshawar.
250332. Col. No. K581. Five to six miles south of Sadikabad. Plants extremely variable, many sterile, some have a compact growth habit.
250333. Col. No. K585. One and one-half miles west of Peshawar.
250334. Col. No. K588. One mile west of Peshawar.

- 250335 to 250354. *CARTHAMUS TINCTORIUS* L. Safflower.
250335. Col. No. K400. Leaves spiny; flowers red.
250336. Col. No. K403. 'Kusumba'.
250337. Col. No. K406. Rust present.
250338. Col. No. K407.
250339. Col. No. K456.
250340. Col. No. K458.
250341. Col. No. K467. 'Kusumba'. Firdausi Dawakhana, Sadar bazaar, Rawalpindi.
250342. Col. No. K469. 'Kusumba'. Rawalpindi bazaar.
250343. Col. No. K470. 'Kusumba'. Rawalpindi bazaar.
250344. Col. No. K471. 'Kusumba'. Rawalpindi bazaar.
250345. Col. No. K472. 'Kusumba'. Rawalpindi bazaar.
250346. Col. No. K505. Mutree bazaar.
250347. Col. No. K514. Peshawar bazaar.
250348. Col. No. K532. Source unknown.
250349. Col. No. K533. Source unknown.
250350. Col. No. K592. Lahore bazaar.
250351. Col. No. K595. Lahore bazaar.
250352. Col. No. K596. Lahore bazaar.
250353. Col. No. K598. Lahore bazaar.
250354. Col. No. K621. Gujrat bazaar.
250355. *CARTHAMUS* sp.
Col. No. K461.
250356. *CARTHAMUS* sp.
Col. No. K580. Thirty-five miles northeast of Peshawar.
- 250357 to 250360. *CYAMOPSIS TETRAGONOLoba* (L.) Taub. Fabaceae. Guar.
250357. Col. No. K616. 250359. Col. No. K618.
250358. Col. No. K617. 250360. Col. No. K619.
250361. *HEDYSARUM CORONARIUM* L. Fabaceae. Sulla.
- Col. No. K465. Five miles south of Hassanabdal. Plants not eaten by goats.
- 250362 and 250363. *HIBISCUS CANNABINUS* L. Malvaceae. Kenaf.
250362. Col. No. K517.
250363. Col. No. K547. Mardan bazaar.
250364. *HORDEUM* sp. Poaceae. Barley.
- Col. No. K432.
250365. *HORDEUM* sp.
Col. No. K483.
250366. *HORDEUM* sp.
Col. No. K493. Field near rest house, Kotli. Six-row barley.
250367. *HORDEUM* sp.
Col. No. K629.
250368. *LINUM STRICTUM* L. Linaceae. Flax.
- Col. No. K455. Plants to ten inches high.

- 250369 to 250387. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
250369. Col. No. K389. Kharianwala, 28 miles from Lahore, Lyallpur road.
250370. Col. No. K401. Deona Juliana, seven miles north of Gujrat, Gujrat district.
250371. Col. No. K405.
250372. Col. No. K411.
250373. Col. No. K413. Twelves miles northeast of Gujrat.
250374. Col. No. K428.
250375. Col. No. K447. Haripur bazaar.
250376. Col. No. K492.
250377. Col. No. K515. Peshawar bazaar.
250378. Col. No. K530.
250379. Col. No. K534.
250380. Col. No. K535.
250381. Col. No. K536.
250382. Col. No. K537.
250383. Col. No. K574.
250384. Col. No. K600. 'Alsi'.
250385. Col. No. K624.
250386. Col. No. K626.
250387. Col. No. K627.
250388. *MEDICAGO ASCHERSONIANA* Urban Fabaceae.
- Col. No. K499.
- 250389 and 250390. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinnars California burclover.
250389. Col. No. K435. Plants abundant.
250390. Col. No. K544.
250391. *SETARIA ITALICA* (L.) Beauv. Poaceae. Foxtail millet.
- Col. No. K528.
250392. *ECHINOCHLOA SPIRALIS* Vasing Poaceae.
- Col. No. K607.
- 250393 to 250395. *PENNISETUM SPICATUM* (L.) Willd. Poaceae. Pearl millet.
250393. Col. No. K450.
250394. Col. No. K527.
250395. Col. No. K605. 'Bajra'.
- 250396 to 250398. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
250396. Col. No. K440. Plant to 20 feet high.
250397. Col. No. K531. Nowshera bazaar, 25 miles east of Peshawar.
250398. Col. No. K538.
- 250399 to 250401. *SEASMUM INDICUM* L. Pedaliaceae. Sesame.
250399. Col. No. K390. Kharianwala.
250400. Col. No. K611.
250401. Col. No. K612.

250402 to 250406. *SORGHUM BICOLOR* (L.) Moench Poaceae.

250402. Col. No. K490.

250403. Col. No. K523.

250404. Col. No. K524.

250405. Col. No. K425.

250406. Col. No. K609.

250407. *TRIFOLIUM REPENS* L. Fabaceae.

Whiteclover.

Col. No. K512. Murree-Kashmir Point road. Elevation 7,000 feet. Common roadside plants.

250408 to 250414. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

250408. Col. No. K397. Juland, 70 miles north of Lahore, Gujrat District.

250409. Col. No. K433.

250410. Col. No. K441. Road to Hassan Abdal.

250411. Col. No. K474. Near shrine, seven miles from Kotli.

250412. Col. No. K481. Kahoti, five miles from Kotli.

250413. Col. No. K494.

250414. Col. No. K575.

250415. *VIGNA CYLINDRICA* (L.) Skeels Fabaceae.

Catjang-pea.

Col. No. K549.

250416. *VIGNA SINENSIS* (Torner) Savi

Common cowpea.

Col. No. K604.

250417 and 250418. *ZEA MAYS* L. Poaceae.

250417. Col. No. K482.

250418. Col. No. K491.

250419 to 250448.

From Czechoslovakia. Seeds presented by the Academy of Science, Prague. Received Aug. 27, 1958.

250419 to 250424. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae.

Cabbage.

250419. 'Ditmarske Rane'.

250420. 'Dobrovojske Polopozdni'.

250421. 'Dobrovojske Pozdni'.

250422. 'Klokotske'.

250423. 'Kodanske Trzni'.

250424. 'Slava Holandu'.

250425 to 250430. *LACTUCA SATIVA* L. Cichoriaceae.

Garden lettuce.

250425. 'Boettneruv'.

250426. 'Bohemia'.

250427. 'Detenicka Atrakce'.

250428. 'Melnický Kral Maje'.

250429. 'Stupický'.

250430. 'Stupický Kamenac'.

250431 to 250437. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

250431. 'Condine Red'.

250432. 'Olomoucke'.

250433. 'Olomoucke Nizke'.

250434. 'Ostravske Rane'.

250435. 'Pruhonicky Universal'.

250436. 'Stupicke'.

250437. 'Stupicke Rane'.

250438 to 250448. *PISUM SATIVUM* L. Fabaceae.

Garden pea.

250438. 'Libochovicky Rany'.

250439. 'Konservova Kralovna' (CSR).

250440. 'Karlova Konservy'.

250441. 'Prebohaty'.

250442. 'Heinrichuv Rany'.

250443. 'Senator' (CSR).

250444. 'Zazrak z Kelvedonu'.

250445. 'Zazrak z Kilvedonu' (CSR).

250446. 'Libochovicky Urodny'.

250447. 'Lincoln' (CSR).

250448. 'Libochovicky Rany'.

250449. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

From Nepal. Scions presented by the United States Operations Mission, Katmandu. Received Sept. 3, 1958.

'Naspati'.

250450 and 250451.

From Yugoslavia. Stolons collected by H. S. Gentry, agricultural explorer. New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 27, 1958.

250450. *FESTUCA OVINA* var. *GLAUCA* (Lam.) Koch Poaceae.

Col. No. 17416. Arboretum, Volcji Potok, Ljubljana, Slovenia. Ornamental grass.

250451. *FESTUCA SCOPARIA* Hook. f.

Col. No. 17417. Arboretum, Volcji Potok, Ljubljana, Slovenia. Ornamental and lawn grass.

250452 and 250453. *SACCHARUM* (hybrids). Poaceae. Sugarcane.

From the Island of Reunion. Cuttings presented by the Station d'Essai de la Bretagne, St. Denis. Received Aug. 28, 1958.

250452. M147/44.

250453. R-397.

250454. *PELAGODOXA HENRYANA* Beccari Phoenicaceae. Palm.

From the Fiji Islands. Seeds collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 8, 1958.

From the Suva Botanic Garden.

250455 to 250659.

From Egypt, Pakistan, and India. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 28, 1958.

250455 to 250459. From Egypt.

250455 to 250457. *CARTHAMUS ALEXANDRINUS* (Boiss.) Bornm. Asteraceae.

250455. Col. No. K1039. Ten miles from Alexandria. Flowers light blue.

250456. Col. No. K1042. Eighteen miles from Alexandria, Cairo road intersection.
250457. Col. No. K1044. One mile northwest of Alexandria, west end of Lake Mariout. Outer bracts long, inner bracts reduced.
- 250458 and 250459. *CARTHAMUS LANATUS* L.
250458. Col. No. K1024. University of Alexandria Experimental Farm, Abis. Plant to 30 inches high; flowers light yellow.
250459. Col. No. K1025. University of Alexandria Experimental Farm, Abis. Plant to 30 inches high.
- 250460 to 250472. *CARTHAMUS OXYACANTHA* Bied.
From Pakistan.
250460. Col. No. K274. Four miles south of National Stadium, Ferozepur-Lahore road.
250461. Col. No. K276. Twenty miles south of National Stadium, Ferozepur-Lahore road.
250462. Col. No. K279. Twenty-four miles south of National Stadium, Ferozepur-Lahore road.
250463. Col. No. K280. Thirty miles south of National Stadium, Ferozepur-Lahore road.
250464. Col. No. K281. Five miles west of Ferozepur-Lahore road turnoff, 30 miles south of National Stadium.
250465. Col. No. K282. Thirty miles south of Lahore, Ferozepur road.
250466. Col. No. K286. Two miles from Grand Trunk Road, old Lahore-Lyallpur road.
250467. Col. No. K288. Old Lahore-Lyallpur road.
250468. Col. No. K290. Thirty miles from Grand Trunk Road.
250469. Col. No. K292. Seventy miles from Grand Trunk Road.
250470. Col. No. K293. Seventy-seven miles from Grand Trunk Road.
250471. Col. No. K294. W. A. Shafer's residence.
250472. Col. No. K296. Lyallpur Agricultural College.
- 250473 to 250484. *CARTHAMUS TINCTORIUS* L. Safflower..
- 250473 to 250481. West Pakistan Experimental Plot, Lyallpur Agricultural College, Lyallpur.
- | | |
|------------------------|------------------------|
| 250473. Col. No. K298. | 250478. Col. No. K307. |
| 250474. Col. No. K303. | 250479. Col. No. K308. |
| 250475. Col. No. K304. | 250480. Col. No. K309. |
| 250476. Col. No. K305. | 250481. Col. No. K310. |
| 250477. Col. No. K306. | |
- 250482 to 250484. Amritsar bazaar, India.
250482. Col. No. K668.
250483. Col. No. K671.
250484. Col. No. K672.
- 250485 to 250487. *CROTALARIA JUNCEA* L. Sunn-hemp.
Fabaceae.
- Amritsar bazaar, India.
250485. Col. No. K679.
250486. Col. No. K680.
250487. Col. No. K681.
250488. *HIBISCUS CANNABINUS* L. Kenaf.
Malvaceae.
- Col. No. K676. Amritsar bazaar, India.

250489 and 250490. *HORDEUM VULGARE* L. Poaceae. Common barley.

250489. Col. No. K376. Cereal Section, Lyallpur Agricultural College, Lyallpur, West Pakistan.

250490. Col. No. K1041. Fifteen miles from Alexandria, Egypt.

250491. *HORDEUM* sp.

Col. No. K277. Same as Col. No. K276, (P.I. 250461).

250492 to 250518. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
From Pakistan.

250492. Col. No. K275. Daulo Khurd, seven miles south of National Stadium, Ferozepur road.

250493. Col. No. K287. Mandiawala, 13 miles from Grand Trunk Road.

250494 to 250518. Lyallpur Agricultural College, Lyallpur.

250494. Col. No. K311.

250507. Col. No. K324.

250495. Col. No. K312.

250508. Col. No. K325.

250496. Col. No. K313.

250509. Col. No. K327.

250497. Col. No. K314.

250510. Col. No. K328.

250498. Col. No. K315.

250511. Col. No. K329.

250499. Col. No. K316.

250512. Col. No. K330.

250500. Col. No. K317.

250513. Col. No. K332.

250501. Col. No. K318.

250514. Col. No. K333.

250502. Col. No. K319.

250515. Col. No. K334.

250503. Col. No. K320.

250516. Col. No. K335.

250504. Col. No. K321.

250517. Col. No. K338.

250505. Col. No. K322.

250518. Col. No. K340.

250506. Col. No. K323.

250519. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.

Col. No. K684. Amritsar bazaar, India.

250520 and 250521. *SORGHUM BICOLOR* (L.) Moench Poaceae.

250520. Col. No. K677. Amritsar bazaar, India.

250521. Col. No. K678. Amritsar bazaar, India.

250522. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Common cowpea.

Col. No. K673. Amritsar bazaar, India.

250523 to 250587. Collected June 13 to 19, 1958. From Egypt unless otherwise noted.

250523 to 250541. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.

250523. Col. No. K1021. Three miles south of the pyramids.
Heads 1.5 inches in diameter.

250524. Col. No. K1023. University of Alexandria Experimental Farm.
Plant to 6.5 feet high; flowers red, 1.25 inches in diameter.

250525 to 250535. Warehouse, El Hag Menoufi el Said, Kena.

250525. Col. No. K1048.

250526. Col. No. K1049.

250527. Col. No. K1051.

250528. Col. No. K1052.

250529. Col. No. K1054.

250530. Col. No. K1056.

250631. Col. No. K1059.

250532. Col. No. K1060.
 250533. Col. No. K1061.
 250534. Col. No. K1062.
 250535. Col. No. K1063.
 250536. Col. No. K1067. Twab Moh Osman, Kusarn. Heads 1.75 inches in diameter ; flowers yellow to red.
 250537. Col. No. K1070. Hassan Rashwan Mosalin, Amansha near Sahag.
 250538. Col. No. K1071. Moh Abdul Baset, Shetata.
 250539. Col. No. K1072. Sadik Abouzeid Selim.
 250540. Col. No. K1074. Asyut bazaar.
 250541. Col. No. K1076. Asyut.
250542. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**
 Col. No. K1090. Oil Crops Section, Plant Breeding Department, Ministry of Agriculture, Giza.
- 250543 to 250570. *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**
 250543 to 250567. Lyallpur Agricultural College, Lyallpur, Pakistan.
- | | |
|------------------------|------------------------|
| 250543. Col. No. K341. | 250556. Col. No. K354. |
| 250544. Col. No. K342. | 250557. Col. No. K355. |
| 250545. Col. No. K343. | 250558. Col. No. K356. |
| 250546. Col. No. K344. | 250559. Col. No. K357. |
| 250547. Col. No. K345. | 250560. Col. No. K358. |
| 250548. Col. No. K346. | 250561. Col. No. K359. |
| 250549. Col. No. K347. | 250562. Col. No. K360. |
| 250550. Col. No. K348. | 250563. Col. No. K361. |
| 250551. Col. No. K349. | 250564. Col. No. K362. |
| 250552. Col. No. K350. | 250565. Col. No. K363. |
| 250553. Col. No. K351. | 250566. Col. No. K364. |
| 250554. Col. No. K352. | 250567. Col. No. K365. |
| 250555. Col. No. K353. | |
250568. Col. No. K1034. Alexandria bazaar.
 250569. Col. No. K1035. Alexandria bazaar.
 250570. Col. No. K1091. Giza.
250571. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**
 Col. No. K1026. University of Alexandria Experiment Farm.
250572. *LUPIUS ALBUS* L. Fabaceae. **White lupine.**
 Col. No. K1079. 'Termis'. Asyut bazaar.
- 250573 to 250575. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**
 250573. Col. No. K372. Lyallpur Agricultural College, Lyallpur, Pakistan.
 250574. Col. No. K1087. Ministry of Agriculture, Giza.
 250575. Col. No. K1088. Ministry of Agriculture, Giza.
- 250576 to 250580. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
 250576. Col. No. K295. Lyallpur bazaar. Pakistan.
 250577. Col. No. K1037. Alexandria bazaar.
 250578. Col. No. K1038. Alexandria bazaar.
 250579. Col. No. K1085. Oil Crops Section, Plant Breeding Department, Ministry of Agriculture, Giza.
 250580. Col. No. K1086. Oil Crops Section, Plant Breeding Department, Ministry of Agriculture, Giza.

- 250581 to 250583. *SORGHUM BICOLOR* (L.) Moench Poaceae.
 250581. Col. No. K1082.
 250582. Col. No. K1083.
 250583. Col. No. K1084.
- 250584 to 250586. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
 250584. Col. No. K278. Twenty miles south of National Stadium, Ferozepur, Pakistan.
 250585. Col. No. K289. Old road, Lahore to Lyallpur, Pakistan.
 250586. Col. No. K382. Pakistan.
250587. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Common cowpea.
 Col. No. K1029. Alexandria bazaar.
250588. *CARTHAMUS ALEXANDRINUS* (Boiss.) Bornm. Asteraceae.
 Col. No. K1040. Thirteen miles from Alexandria, Egypt.
- 250589 to 250594. *CARTHAMUS OXYACANTHA* Bieb.
 250589 to 250592. From Pakistan.
 250589. Col. No. K283. Thirty miles south of Lahore, Ferozepur road.
 250590. Col. No. K284. Thirty miles from Lahore, Multan road.
 250591. Col. No. K285. Thirty-one miles from Lahore, Multan road.
 250592. Col. No. K291. Near Poucheki, 50 miles from Grand Trunk road.
 250593. Col. No. K686. West of Khalsa College, Amritsar, India.
 250594. Col. No. K687. West of Khalsa College, Amritsar, India.
- 250595 to 250611. *CARTHAMUS TINCTORIUS* L. Safflower.
 250595 to 250599. Lyallpur Agriculture College, Lyallpur, Pakistan.
 250595. Col. No. K297.
 250596. Col. No. K299.
 250597. Col. No. K300.
 250598. Col. No. K301.
 250599. Col. No. K302.
- 250600 to 250603. Amritsar bazaar, India.
 250600. Col. No. K666.
 250601. Col. No. K667.
 250602. Col. No. K669.
 250603. Col. No. K670.
250604. Col. No. K1022. Three miles south of the pyramids, Egypt.
 250605. Col. No. K1028. Alexandria bazaar, Egypt.
- 250606 to 250608. El Hag Menoufi el Said warehouse, Kena, Egypt.
 250606. Col. No. K1050.
 250607. Col. No. K1053.
 250608. Col. No. K1055.
250609. Col. No. K1064. Warehouse, Qus, Egypt.
 250610. Col. No. K1073. Sabet Khalil oil mill, Amansha, Egypt.
 250611. Col. No. K1075. Asyut bazaar, Egypt.
250612. *HELIANTHUS ANNUUS* L. Asteraceae. Common sunflower.
 Col. No. K1089. Ministry of Agriculture, Giza, Egypt.
250613. *HORDEUM VULGARE* L. Poaceae. Common barley.
 Col. No. K375. Cereal Section, Lyallpur Agricultural College, Lyallpur, Pakistan.

- 250614 to 250621. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
- 250614 to 250618. Lyallpur Agricultural College, Lyallpur, Pakistan.
250614. Col. No. K323.
250615. Col. No. K331.
250616. Col. No. K336.
250617. Col. No. K337.
250618. Col. No. K339.
- 250619 and 250620. Amritsar bazaar, India.
250619. Col. No. K682.
250620. Col. No. K683.
250621. Col. No. K1077. Asyut, Egypt.
- 250622 to 250624. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
- 250622 and 250623. Lyallpur Agricultural College, Lyallpur, Pakistan.
250622. Col. No. K373.
250623. Col. No. K374.
250624. Col. No. K1057. Kena, Egypt.
- 250625 and 250626. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
250625. Col. No. K1036. Alexandria bazaar, Egypt.
250626. Col. No. K1081. Asyut bazaar, Egypt.
250627. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.
- Col. No. K1078. Asyut bazaar, Egypt.
- 250628 to 250633. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
- Lyallpur Agricultural College, Lyallpur, Pakistan.
250628. Col. No. K378.
250629. Col. No. K379.
250630. Col. No. K380.
250631. Col. No. K381.
250632. Col. No. K383.
250633. Col. No. K384.
250634. *VIGNA SINENSIS* (Torner) Savi. Fabaceae. Common cowpea.
- Col. No. K685. Amritsar bazaar, India.
- 250635 to 250659. Collected in Pakistan May 3 to 17, 1958.
250635. *ANTHEMIS* sp. Asteracea.
- Col. No. K409. Southeast of Majra.
250636. *CORIANDRUM SATIVUM* L. Apiaceae. Coriander.
- Col. No. K550. Mardan bazaar.
250637. *COTINUS COGGYGRIA* Scop. Anacardiaceae. Smoketree.
- Col. No. K576. Near shrine, seven miles from Kotli.
250638. *LEONTODON* sp. Cichoriaceae.
- Col. No. K439. Plant to six inches high; flowers blue.
250639. *MALLOTUS PHILIPPINENSIS* (Lam.) Muell.-Arg. Euphorbiaceae. Kamalatreer.
- Col. No. K478. Seeds said to yield an oil similar to castor oil.
- 250640 and 250641. *PAPAVER SOMNIFERUM* L. Papaveraceae. Opium poppy.
250640. Col. No. K601. Lahore bazaar.
250641. Col. No. K602. Lahore bazaar.

250642. *RUMEX* sp. Polygonaceae.

Col. No. K501. Field north of Kotli.

250643. *RUMEX* sp.

Col. No. K502. Field north of Kotli.

250644. *CYMBOPOGON SCHOENANTHUS* (L.) Spreng. Poaceae. Camel-hay.

Col. No. K554. Four miles south of Pabbi.

250645. *ARISTIDA COERULESCENS* Desf. Poaceae.

Col. No. K557. Six miles south of Pabbi. Plant to 16 inches high.

250646. *AVENA BYZANTINA* Koch. Poaceae.

Col. No. K606. Lahore bazaar.

250647. *BRACHYPODIUM* sp. Poaceae.

Col. No. K558. Six miles south of Pabbi. Plant to 10 inches high.

250648. *BROMUS WILLDENOWII* Kunth. Poaceae. Rescuegrass.

Col. No. K510. Road to Pindi Point, Murree. Elevation 7,000 feet.

250649 and 250650. *BROMUS JAPONICUS* Thunb.

250649. Col. No. K423. Near Pindi Point, Murree. Elevation 7,000 feet.

250650. Col. No. K509. Near Pindi Point, Murree. Elevation 7,000 feet.

250651. *KOELERIA CRISTATA* (L.) Pers. Poaceae.

Col. No. K507. Pindi Point, Murree. Elevation 7,000 feet.

250652 and 250653. *HORDEUM VULGARE* L. Poaceae. Common barley.

250652. Col. No. K442. Nine miles from Rawalpindi.

250653. Col. No. K548. Mardan bazaar.

250654. *PANICUM* sp. Poaceae.

Col. No. K590. Khyber Pass, Afghanistan border.

250655. *PAPPOPHORUM* sp. Poaceae.

Col. No. K556. Six miles south of Pabbi.

250656. *PENNISSETUM SPICATUM* (L.) Willd. Poaceae. Pearl millet.

Col. No. K551. Mardan bazaar.

250657. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.

Col. No. K511. Road to Pindi Point, Murree.

250658. *THEMEDA ANATHERA* (Nees) Hack. Poaceae. Redgrass.

Col. No. K497. Field north of Kotli.

250659. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. Berseem clover.

Col. No. K608. Lahore bazaar.

250660 to 250665.

From the Union of Soviet Socialist Republics. Presented by the Agricultural Attache, United States Embassy, Moscow. Received September 2, 1958.

250660 to 250662. *ALLIUM CEPA* L. Liliaceae. Onion.

250660. No. 1. (Seeds.)

250661. No. 2. (Seeds.)

250662. No. 3. (Seeds.)

250663. *ALLIUM SATIVUM* L. Garlic.

(Bulbs.)

250664. *AVENA SATIVA* L. Poaceae. Common oats.

(Seeds.)

250665. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

(Seeds.) From an exhibition of wheats of outstanding yield and vigor, at the Agricultural Institute, Zemledeliye, 15 km. from Moscow.

250666 to 250691.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Sept. 2, 1958.

250666. *CITRUS LIMON* (L.) Burm. f. Rutaceae. Lemon.

No. 217. 'Lima de Umbigo'.

250667. *CITRUS AURANTIUM* L. Sour orange.

No. 277. 'Laranja Azeda Sem Espinho'.

250668 and 250669. *CITRUS TAIWANICA* Tanaka & Shimada.

250668. No. 278. Fruit large.

250669. No. 292. Fruit small.

250670 to 250676. *CITRUS SINENSIS* (L.) Osbeck. Sweet orange.

250670. No. 670. No. 8. 'Laranja Branca'.

250671. No. 19. 'Laranja Caipira R.'.

250672. No. 91. 'Laranja Caipira Doce'.

250673. No. 62. 'Laranja Ibicaba'.

250674. No. 71. 'Laranja Paulista'.

250675. No. 11. 'Laranja Pele de Moca'.

250676. No. 16. 'Laranja Caipira Lara Campos'.

250677. *CITRUS AURANTIUM* L. Sour orange.

No. 20. 'Laranja Lanceta Amarga'.

250678. *CITRUS LIMON* (L.) Burm. f. Lemon.

No. 240. 'Limao Viradouro'.

250679 and 250680. *CITRUS GRANDIS* (L.) Osbeck. Pummelo.

250679. No. 165. 'Toranja Periforme'.

250680. No. 127. 'Toranja Zamboa'.

250681 to 250686. *CITRUS LIMON* (L.) Burm. f. Lemon.

250681. No. 161. 'Limao Amber'.

250682. No. 201. 'Lima Deodoro'.

250683. No. 210. 'Limao Doce'.

250684. No. 212. 'Limao Gigante'.

250685. No. 155. 'Lisboa tetraploide'.

250686. No. 214. 'Limao Rugoso Nacional'.

250687. *CITRUS* sp.

No. 217. 'Limao Selvagem'.

250688 to 250690. *CITRUS MEDICA* L. Citron.

250688. No. 164. 'Cidra Comprida'.

250689. No. 131. 'Cidra Doce'.

250690. No. 196. 'Cidra Redonda'.

250691. *CITRUS* (hybrid).

No. 202. (*C. aurantifolia* × *C. reticulata*) 'Limao Periforme'.

250692 to 250695. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Argentina. Cuttings presented by the Ministerio de Agricultura y Ganaderia, Buenos Aires. Received Sept. 2, 1958.

250692. C.B. 36-14.

250693. C.B. 38-5.

250694. C.B. 40-11.

250695. Tuc. 319 F.

250696 to 250800.

From Iran and Afghanistan. Seed collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 3, 1958.

250696 to 250759. From Iran. Collected July 14-24, 1958.

250696. *AEGILOPS TRIUNCIALIS* L. Poaceae.

Barb goatgrass.

Col. No. K1512. Forty-nine km. northwest of Tabriz.

250697. *BROMUS JAPONICUS* Thunb. Poaceae.

Col. No. K1521. Fifty-two km. west of Tabriz.

250698 to 250703. *CARTHAMUS LANATUS* L. Asteraceae.

250698. Col. No. K1579. Six km. northwest of Ardebil.

250699. Col. No. 1586. Forty-eight km. northwest of Ardebil.

250700. Col. No. K1593. One hundred and twenty-eight km. northwest of Ardebil, Moghan road.

250701. Col. No. K1635. Sixty-one km. west of Lari.

250702. Col. No. K1645. One km. north of Golmacon, northwest of Meshed.

250703. Col. No. K1646. One km. north of Golmacon, northwest of Meshed. Flowers light purple.

250704 to 250707. *CARTHAMUS OXYACANTHA* Bieb. Asteraceae.

250704. Col. No. K1610. One hundred and fifty-seven km. south of Moghan.

250705. Col. No. K1641. One hundred and ninety-one km. from Lari, Tabriz road.

250706. Col. No. K1643. Eleven km. northwest of Meshed.

250707. Col. No. K1657. One km. north of Golmacon, northwest of Meshed.

250708 to 250724. *CARTHAMUS TINCTORIUS* L.

Safflower.

250708 to 250712. Isfahan bazaar.

250708. Col. No. K1481.

250709. Col. No. K1482.

250710. Col. No. K1483.

250711. Col. No. K1484.

250712. Col. No. K1485.

250713 and 250714. Flaverjan bazaar, 20 km. west of Isfahan.

250713. Col. No. K1492.

250714. Col. No. K1493.

250715. Col. No. K1496. 'Kousheh'. Three km. west of Flaverjan. Flowers orange and red.

- 250716 and 250717. Isfahan bazaar.
 250716. Col. No. K1504.
 250717. Col. No. K1505.
250718. Col. No. K1540. 'Taghala Golu'. Tabriz bazaar.
 250719. Col. No. K1578. Ardebil-bazaar.
250720. Col. No. K1643. 'Kajireh'. Fifteen km. northwest of Meshed
 Flowers red and orange.
250721. Col. No. K1644. 'Kajireh'. Suugerd, northwest of Meshed
 Flowers red and orange.
- 250722 to 250724. Meshed bazaar.
 250722. Col. No. K1658.
 250723. Col. No. K1672.
 250724. Col. No. K1673.
250725. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass
 Col. No. K1514. Forty-nine km. northwest of Tabriz.
250726. *HELIANTHUS ANNUUS* L. Asteraceae. Common sunflower
 Col. No. K1671. 'Aftabgardan'. Meshed bazaar.
- 250727 to 250729. *HORDEUM VULGARE* L. Poaceae. Common barley.
 250727. Col. No. K1509. Thirty-nine km. northwest of Tabriz.
 250728. Col. No. K1551. Ninety-two km. east of Tabriz on road Ardebil.
 250729. Col. No. K1571. Ardebil bazaar.
- 250730 to 250738. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
 250730. Col. No. K1488. 'Bazrak'. Flaverjan bazaar, 20 km. west of
 Isfahan.
250731. Col. No. K1495. 'Bazrak'. Two km. west of Flaverjan.
 250732 to 250734. Tabriz bazaar.
 250732. Col. No. K1533. 'Bazrak'.
 250733. Col. No. K1534. 'Bazrak'.
 250734. Col. No. K1535. 'Bazrak'.
250735. Col. No. K1577. Ardebil bazaar.
250736. Col. No. K1609. One hundred and two km. south of Moghan.
- 250737 and 250738. Meshed bazaar.
 250737. Col. No. K1661.
 250738. Col. No. K1670.
250739. *MEDICAGO LUPULINA* L. Fabaceae. Black medic.
 Col. No. K1564. Two hundred and six km. east of Tabriz, Ardebil road.
250740. *MEDICAGO SATIVA* L. Alfalfa.
 Col. No. K1574. 'Sarab'. Ardebil.
250741. *PHALARIS CANARIENSIS* L. Poaceae. Canarygrass.
 Col. No. K1660. Meshed bazaar.
- 250742 and 250743. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
 250742. Col. No. K1490. Flaverjan bazaar, 20 km. west of Isfahan.
 250743. Col. No. K1659. Meshed bazaar.
- 250744 to 250747. *SECALE CEREALE* L. Poaceae. Rye.
 250744. Col. No. K1526. Ninety-four km. northeast of Tabriz.
 250745. Col. No. K1548. Fifty-one km. east of Tabriz.

250746. Col. No. K1563. Two hundred and six km. east of Tabriz, Ardebil road.
250747. Col. No. K1634. Five km. south of Lari.
- 250748 and 250749. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
Tabriz bazaar.
250748. Col. No. K1530.
250749. Col. No. K1532.
250750. *SORGHUM BICOLOR* (L.) Moench Poaceae.
Col. No. K1502. Isfahan bazaar.
250751. *STIPA* sp. Poaceae.
Col. No. K1518. Forty-nine km. northwest of Tabriz.
250752. *STIPA* sp.
Col. No. K1580. Thirty-nine km. northwest of Ardebil.
250753. *TRIFOLIUM PATENS* Schreb. Fabaceae.
Col. No. K1623. Twenty-five km. south of Lari, north slope of Mount Savalan.
- 250754 to 250756. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
250754. Col. No. K1553. One hundred and six km. east of Tabriz, Ardebil road.
- 250755 and 250756. Meshed bazaar.
250755. Col. No. K1674.
250756. Col. No. K1675.
250757. *TRITICUM COMPACTUM* Host Poaceae. Club wheat.
Col. No. K1612. Five km. south of Lari, north of Mount Savalan.
250758. *LATHYRUS CICERA* L. Fabaceae. Flatpod peavine.
Col. No. K1595. One hundred and thirty-five km. northwest of Ardebil, Moghan road.
250759. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Common cowpea.
Col. No. K1575. Ardebil bazaar.
- 250760 to 250800. From Afghanistan. Collected May 25-27, 1958.
250760. *BROMUS LANCEOLATUS* Roth Poaceae.
Col. No. K752. Near ICA Staff House, Lashkar Gah.
250761. *BROMUS MOLLIS* L. Soft chessgrass.
Col. No. K753. Desert west of Khagiani.
- 250762 to 250764. *CARTHAMUS LANATUS* L. Asteraceae.
250762. Col. No. K707. South of ICA Staff House, Kandahar.
250763. Col. No. K763. Ten miles west of Kandahar.
250764. Col. No. K765. One and one-half miles south of Kandahar.
- 250765 to 250773. *CARTHAMUS OXYACANTHA* Bieb.
250765. Col. No. K704. Canal near ICA Staff House, Kandahar.
250766. Col. No. K705. Canal near ICA Staff House, Kandahar.
Flowers light yellow.
250767. Col. No. K706. South of ICA Staff House, Kandahar.
250768. Col. No. K718. Changir, 10 miles north of Lashkar Gah.
250769. Col. No. K721. One mile west of Girishk.
250770. Col. No. K746. Two miles southwest of Lashkar Gah.

250771. Col. No. K748. Two miles southwest of Marja.
 250772. Col. No. K761. Eighteen miles west of Kandahar.
 250773. Col. No. K762. Ten miles west of Kandahar.
 250774. *CARATHMUS TINCTORIUS* L. Safflower.
 Col. No. K751. Near ICA Staff House, Lashkar Gah.
 250775 to 250778. *HORDEUM VULGARE* L. Poaceae. Common barley.
 250775. Col. No. K710. South of ICA Staff House, Kandahar.
 250776. Col. No. K723. Girishk bazaar.
 250777. Col. No. K758. Twenty miles west of Kandahar.
 250778. Col. No. K769. Kandahar bazaar.
 250779 to 250781. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
 Girishk bazaar.
 250779. Col. No. K729.
 250780. Col. No. K730.
 250781. Col. No. K731.
 250782. *MEDICAGO* sp.
 Col. No. K714. Near ICA Staff House, Kandahar.
 250783 and 250784. *MELILOTUS INDICA* (L.) All. Fabaceae. Annual yellow sweetclover.
 250783. Col. No. K712. South of ICA Staff House, Kandahar.
 250784. Col. No. K715. Near ICA Staff House, Kandahar.
 250785 to 250788. *PANICUM MILLACEUM* L. Poaceae. Proso millet.
 250785 and 250786. Girishk bazaar.
 250785. Col. No. K732.
 250786. Col. No. K733.
 250787 and 250788. Kandahar bazaar.
 250787. Col. No. K775.
 250788. Col. No. K776.
 250789. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. Strawberry clover.
 Col. No. K711. West of ICA Staff House, Kandahar.
 250790. *TRIFOLIUM REPENS* L. Whiteclover.
 Col. No. K716. Near ICA Staff House, Kandahar.
 250791 to 250795. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
 250791 to 250793. Girishk bazaar.
 250791. Col. No. K726.
 250792. Col. No. K727.
 250793. Col. No. K728.
 250794. Col. No. K747. Two miles southwest of Lashkar Gah.
 250795. Col. No. K754. Khagiani.
 250796. *VICIA VILLOSA* Roth. Fabaceae. Hairy vetch.
 Col. No. K722. One mile west of Girishk.
 250797. *VICIA* sp.
 Col. No. K757. Twenty miles west of Kandahar.
 250798 to 250800. *ZEA MAYS* L. Poaceae. Corn.
 250798 and 250799. Girishk bazaar.

250798. Col. No. K724.

250799. Col. No. K725.

250800. Col. No. K777. Kandahar bazaar.

250801 and 250802.

From Nepal. Plants presented by the United States Operations Mission, Katmandu. Received Sept. 4, 1958.

250801. *BEGONIA* sp. Begoniaceae.

Leaves variegated.

250802. *BEGONIA* sp.

Leaves green.

250803 to 250807. *LOLIUM RIGIDUM* Gaud. Poaceae.

Wimmera ryegrass.

From Australia. Seeds presented by F. H. Brunning Propriety, Limited, Melbourne, Victoria. Received Sept. 4, 1958.

250803. No. 1299. Apsley, Victoria.

250804. No. 1410. Shepparton, Victoria.

250805. No. 1411. Shepparton, Victoria.

250806. No. 1412. Shepparton, Victoria.

250807. No. 1443. Finley, N.S.W.

250808. *SORGHUM BICOLOR* (L.) Moench Poaceae.

From India. Seed presented by the Rockefeller Foundation, New Delhi. Received Sept. 4, 1958.

I.S. 2182. Tetraploid. From Coimbatore.

250809. *HUMULUS LUPULUS* L. Moraceae.

Common hop.

From Yugoslavia. Roots collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 5, 1958.

Col. No. 17525. East of Ljubljana, Slovenia. One of the best Yugoslav varieties.

250810. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

From Austria. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 5, 1958.

Col. No. 17523. Near Wells.

250811 to 250951.

From Iran. Seed collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 4, 1958.

Collected July 12 to 30, 1958.

250811 and 250812. *CARTHAMUS LANATUS* L. Asteraceae.

250811. Col. No. K1694. One km. west of Golistan.

250812. Col. No. K1700. Fifteen km. south of Tehran.

250813 to 250818. *CARTHAMUS OXYACANTHA* Bieb.

250813. Col. No. K1440. Twenty-five km. southeast of Isfahan, near Mishan.

250814. Col. No. K1663. Fifteen km. southeast of Meshed.

250815. Col. No. K1665. Thirty-six km. southeast of Meshed, near Baghara-bat.

250816. Col. No. K1683. Six km. west of Meshed.
250817. Col. No. K1698. Six km. east of Meshed.
250818. Col. No. K1699. Fifteen km. west of Tehran.
- 250819 to 250842. *CARTHAMUS TINCTORIUS* L. **Safflower.**
- 250819 to 250821. Experimental Farm, Isfahan.
250819. Col. No. K1339.
250820. Col. No. K1340.
250821. Col. No. K1341.
- 250822 and 250823. Isfahan bazaar.
250822. Col. No. K1369.
250823. Col. No. K1370.
250824. Col. No. K1334. Ten km. southeast of Isfahan, near the Zayandehrud River. Plant to 30 inches high; flowers red, yellow and orange.
250825. Col. No. K1436. Twelve km. southeast of Isfahan, near the Zayandehrud River. Plants to 30 inches high; flowers red, orange and yellow.
250826. Col. No. K1437. Twenty-five km. southeast of Isfahan near Mishan.
250827. Col. No. K1438. Twenty-five km. southeast of Isfahan, near Mishan. Flowers red, orange and yellow.
250828. Col. No. K1441. Twenty-five km. southeast of Isfahan, near Mishan. Flowers red and orange.
250829. Col. No. K1479. Isfahan bazaar.
250830. Col. No. K1480. Isfahan bazaar.
250831. Col. No. K1655. East of Meshed. Plants to 36 inches high; flowers red or orange.
250832. Col. No. K1656. East of Meshed.
250833. Col. No. K1662. Eight km. southeast of Meshed. Flowers red.
250834. Col. No. K1664. Thirty-six km. southeast of Meshed near Baghara-bat. Plants to 20 inches high; flowers orange to red.
250835. Col. No. K1666. 'Golzardo'. Seventy-two km. southeast of Meshed, village of Farhadgerd. Plants to 30 inches high; flowers red.
250836. Col. No. K1684. Village of Vacilobod, 12 km. west of Meshed. Plants to 30 inches high; flowers red and orange.
250837. Col. No. K1693. West of Golistan, 18 km. from Meshed. Plants to 30 inches high; flowers red and orange.
- 250838 and 250839. Experiment Station, 6 km. east of Meshed.
250838. Col. No. K1696. Plants to 30 inches high; flowers red and orange.
250839. Col. No. K1697. Plants to 30 inches high; flowers red and orange.
- 250840 to 250842. Karaj Station, west of Tehran.
250840. Col. No. K1701. Variety No. 2811.
250841. Col. No. K1702. Variety No. 2819.
250842. Col. No. K1703. Variety No. 2824.
250843. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**
- Col. No. K1695. Two km. west of Torgaby and 21 km. west of Meshed. Plant to 30 inches high.
- 250844 to 250847. *VIGNA* sp. Fabaceae.
- Experiment Farm, Agricultural Department, Isfahan.
250844. Col. No. K1357.
250845. Col. No. K1358.

250846. Col. No. K1359.
250847. Col. No. K1360.
- 250848 and 250849. *Gossypium* (hybrids). Malvaceae. Cotton.
250848. Col. No. K1406. 'Panbadaneh'. Isfahan bazaar.
250849. Col. No. K1458. 'Panbadaneh'. Isfahan bazaar.
- 250850 to 250856. *Helianthus annuus* L. Asteraceae. Common sunflower.
- 250850 to 250853. 'Aftabgarden'. Experiment Farm, Agricultural Department, Isfahan.
250850. Col. No. K1342. Colored variety. Plants to six feet high.
250851. Col. No. K1343. White.
250852. Col. No. K1344.
250853. Col. No. K1345.
- 250854 to 250856. Isfahan bazaar.
250854. Col. No. K1463.
250855. Col. No. K1464.
250856. Col. No. K1465.
- 250857 to 250861. *Hordeum vulgare* L. Poaceae. Common barley.
- 250857 to 250860. Isfahan bazaar.
250857. Col. No. K1386.
250858. Col. No. K1387.
250859. Col. No. K1388.
250860. Col. No. K1389.
250861. Col. No. K1679. Meshed bazaar.
- 250862 to 250872. *Linum usitatissimum* L. Linaceae. Common flax.
- 250862 to 250865. Experimental Farm, Agriculture Department, Isfahan.
250862. Col. No. K1350.
250863. Col. No. K1351.
250864. Col. No. K1352.
250865. Col. No. K1353.
- 250866 to 250872. Isfahan bazaar.
250866. Col. No. K1366.
250867. Col. No. K1367.
250868. Col. No. K1368.
250869. Col. No. K1373.
250870. Col. No. K1476.
250871. Col. No. K1477.
250872. Col. No. K1478.
250873. *Melilotus elegans* Salzm. Fabaceae. Sweetclover.
- Col. No. K1688. Thirteen km. west of Meshed. Plants to 20 inches high; flowers yellow.
- 250874 to 250884. *Ricinus communis* L. Euphorbiaceae. Castorbean.
- 250874 to 250877. Experiment Farm, Agriculture Department, Isfahan.
250874. Col. No. K1346.
250875. Col. No. K1347.
250876. Col. No. K1348.
250877. Col. No. K1349.

- 250878 to 250884. Isfahan bazaar.
250878. Col. No. K1374.
250879. Col. No. K1375.
250880. Col. No. K1471.
250881. Col. No. K1472.
250882. Col. No. K1473.
250883. Col. No. K1474.
250884. Col. No. K1475.
250885. *SECALE CEREALE* L. Poaceae. **Rye.**
Col. No. K1692. Sixteen km. west of Meshed. Plant to 36 inches high.
- 250886 to 250895. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
- 250886 to 250888. Experiment Farm, Agriculture Department, Isfahan.
250886. Col. No. K1354.
250887. Col. No. K1355.
250888. Col. No. K1356.
- 250889 to 250895. Isfahan bazaar.
250889. Col. No. K1371.
250890. Col. No. K1372.
250891. Col. No. K1466.
250892. Col. No. K1467.
250893. Col. No. K1468.
250894. Col. No. K1469.
250895. Col. No. K1470.
- 250896 to 250898. *SORGHUM BICOLOR* (L.) Moench Poaceae.
Isfahan bazaar.
250896. Col. No. K1384. 'Alfzoret'. Grade No. 1.
250897. Col. No. K1385. Grade No. 2.
250898. Col. No. K1455.
250899. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**
Col. No. K1689. Thirteen km. west of Meshed. Flowers deep pink.
- 250900 to 250905. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
- 250900 and 250901. Isfahan bazaar.
250900. Col. No. K1390.
250901. Col. No. K1391.
- 250902 to 250904. Meshed bazaar.
250902. Col. No. K1676.
250903. Col. No. K1677.
250904. Col. No. K1678.
250905. Col. No. K1691. Sixteen km. west of Meshed. Plant to 24 inches high.
250906. *VIGNA SINENSIS* (Torner) Savi Fabaceae. **Common cowpea.**
Col. No. K1410. 'Lubia'. Isfahan bazaar.
250907. *ZEA MAYS* L. Poaceae. **Corn.**
Col. No. K1452. 'Zorat'. Isfahan bazaar.

- 250908. AEGILOPS TRIUNCIALIS L. Poaceae. Barb goatgrass.**
Col. No. K1596. One hundred thirty-five km. northwest of Ardebil, Moghan road. Plant to 10 inches high.
- 250909 and 250910. AGROPYRON CRISTATUM (L.) Gaertn. Poaceae. Crested wheatgrass.**
250909. Col. No. K1557. One hundred and eighty-four km. east of Tabriz, Ardebil road. Elevation 4,500 feet.
250910. Col. No. K1592. One hundred and ten km. northwest of Ardebil, Moghan road.
- 250911 and 250912. CARTHAMUS LANATUS L. Asteraceae.**
250911. Col. No. K1566. Two hundred and six km. east of Tabriz, Ardebil road, via Sarab.
250912. Col. No. K1600. One hundred and fifty-one km. northwest of Ardebil, Moghan road.
- 250913 to 250919. CARTHAMUS OXYCANTHA Bieb. Safflower.**
250913. Col. No. K1486. Nine km. west of Isfahan.
250914. Col. No. K1498. Six km. north of Flaverjan.
250915. Col. No. K1506. Fifteen km. northwest of Tabriz.
250916. Col. No. K1508. Thirty-nine km. northwest of Tabriz.
250917. Col. No. K1549. Seventy-three km. east of Tabriz, Ardebil road.
250918. Col. No. K1550. Ninety-two km. east of Tabriz, Ardebil road.
250919. Col. No. K1587. Forty-three km. northwest of Ardebil. Plants to 12 inches high.
- 250920 to 250926. CARTHAMUS TINCTORIUS L. Safflower.**
250920. Col. No. K1497. 'Kousheh'. Six km. north of Flaverjan. Plants to 30 inches high; flowers orange and red.
250921. Col. No. K1503. 'Kousheh'. Isfahan bazaar.
250922. Col. No. K1528. Zornouz, 100 km. northwest of Tabriz.
250923. Col. No. K1529. Zornouz, 100 km. northwest of Tabriz.
250924. Col. No. K1539. 'Taghala-Golu'. Tabriz bazaar.
250925. Col. No. K1541. 'Taghala 'Golu'. Tabriz bazaar.
250926. Col. No. K1542. 'Taghala-Golu'. Tabriz bazaar.
- 250927 to 250929. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.**
250927. Col. No. K1520. Fifty-two km. west of Tabriz. Plants to 20 inches high.
250928. Col. No. K1607. One hundred and two km. south of Moghan. Plant to two feet high.
250929. Col. No. K1554. One hundred and sixty-seven km. east of Tabriz, Ardebil road, via Sarab.
- 250930. HORDEUM BULBOSUM L. Poaceae. Bulbous barley.**
Col. No. K1608. One hundred and two km. south of Moghan.
- 250931. HORDEUM VULGARE L. Common barley.**
Col. No. K1613. Nine km. south of Lari.
- 250932 to 250934. LINUM USITATISSIMUM L. Linaceae. Common flax.**
250932. Col. No. K1591. One hundred and ten km. from Ardebil, Moghan road. Plant to 10 inches high.

250933. Col. No. K1599. One hundred and forty km. northwest of Ardebil, Moghan road. Plants to 12 inches high.

250934. Col. No. K1638. Ahar bazaar, northeast of Tabriz.

250935 and 250936. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**

250935. Col. No. K1545. Tabriz bazaar.

250936. Col. No. K1573. Ardebil bazaar.

250937. *MEDICAGO LUPULINA* L. Fabaceae.

Col. No. K1558. One hundred eighty-four km. east of Tabriz, Ardebil road, via Sarab.

250938 to 250942. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

250938. Col. No. K1536. 'Karchak'. Tabriz bazaar.

250939. Col. No. K1537. 'Karchak'. Tabriz bazaar.

250940. Col. No. K1538. 'Karchak'. Tabriz bazaar.

250941. Col. No. K1639. Ahar bazaar.

250942. Col. No. K1648. Golmacon bazaar.

250943. *SECALE* sp. Poaceae.

Col. No. K1588. Sixty-six km. northwest of Ardebil. Plant to 20 inches high.

250944 to 250946. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

250944. Col. No. K1531. Tabriz bazaar.

250945. Col. No. K1603. Moghan bazaar.

250946. Col. No. K1640. Ahar bazaar.

250947. *STIPA* sp. Poaceae.

Col. No. K1556. One hundred and sixty-one km. east of Tabriz, Ardebil road, via Sarab.

250948. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**

Col. No. K1525. Fifty-two km. west of Tabriz.

250949 and 250950. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

250949. Col. No. K1547. Fifty-seven km. east of Tabriz, Ardebil road, via Sarab.

250950. Col. No. K1567. Two hundred and six km. east of Tabriz, Ardebil road, via Sarab.

250951. *TRITICUM DURUM* Desf. **Durum wheat.**

Col. No. K1649. North boundary of Golmacon.

250952 and 250953.

From Thailand. Seeds presented by the United States Operations Mission, Bangkok. Received Sept. 8, 1958.

250952. *STIZOLOBIUM ATERRIMUM* Piper & Tracy Fabaceae. **Velvetbean.**

250953. *STIZOLOBIUM* sp.

250954 to 251009.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 8, 1958.

250954. *HYPARRHENIA HIRTA* (L.) Stapf Poaceae

Col. No. 17337. Maximilian's Island, Dubrovnick, Dalmatia. Large bunch-grass.

250955. *AVENA SATIVA* L. Poaceae. **Common oats.**

Col. No. 17153. Near Srbobran, Serbia.

250956. *CYNOSURUS CRISTATUS* L. Poaceae. **Crested dogtail.**

Col. No. 17215. Mavrosko Lake, Macedonia. Elevation 4,200 feet. Sparse, tufted grass.

250957 to 250959. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

250957. Col. No. 17218. Mavrosko Lake, Macedonia.

250958. Col. No. 17234. Dry, rocky sandstone slope, Lake Ohrid, Macedonia. Elevation 2,500 feet. Xerophyte; leaves scanty.

250959. Col. No. 17224. Mavrosko Lake, Macedonia. Elevation 4,200 feet. Thickly tufted perennial.

250960. *DACTYLIS HISPANICA* Roth.

Col. No. 17352. Arid limestone slope, south of Split, Dalmatia. Elevation 500 feet. Sparse, narrow-leaved perennial.

250961. *DESCHAMPSIA* sp. Poaceae.

Col. No. 17336. Nisch, Montenegro. Elevation 2,100 feet. Narrow-leaved and fescuelike perennial, said to be palatable to livestock.

250962. *DESCHAMPSIA* sp.

Col. No. 17360. Kupres Valley, Bosnia. Elevation 3,800 feet. Long culm, sod-forming perennial; well liked by livestock.

250963. *FESTUCA ARUNDINACEA* Schreb. Poaceae. **Tall fescue.**

Col. No. 17174. Skopje, Macedonia. Elevation 1,000 feet. Vigorous perennial; leaves soft, large, palatable.

250964. *FESTUCA ELATIOR* L. **Meadow fescue.**

Col. No. 17201. Sloping meadow, Mavrosko Lake, Macedonia. Elevation 4,200 feet. Thriving perennial; palatable.

250965. *FESTUCA* sp.

Col. No. 17207. Meadow slope, Mavrosko Lake, Macedonia. Densely tufted perennial, seeding freely.

250966. *FESTUCA RUBRA* L. **Red fescue.**

Col. No. 17294. Fifty km. east of Titograd, Montenegro. Elevation 4,200 feet. Fine-leaved perennial.

250967. *FESTUCA OVINA* L. **Sheep fescue.**

Col. No. 17225. West of Mavrosko Lake, Macedonia. Elevation 3,500 feet. Shade-tolerant, fine-leaved perennial; leaves numerous, short.

250968. *HORDEUM VULGARE* L. Poaceae. **Common barley.**

Col. No. 17241. Market, Lake Ohrid, Macedonia.

250969. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**

Col. No. 17333. Nisch, Montenegro. Elevation 2,200 feet. Fine-leaved grass for lawns.

250970 and 250971. *LOTUS CORNICULATUS* var. *CILIATUS* (Tenore) C. Koch. Fabaceae. **Trefoil.**

250970. Col. No. 17212. Mavrosko Lake, Macedonia. Elevation 4,200 feet.

250971. Col. No. 17264. North slope of Shar Plannina. Elevation 4,200 feet. Seeding very heavily.

250972. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

Col. No. 17385. Twenty km. east of Sarajevo, Bosnia. Elevation 3,000 feet. Plant fine-leaved, short, weak-stemmed.

250973 and 250974. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**

250973. Col. No. 17205. Meadow, Mavrosko Lake, Macedonia. Elevation 4,200 feet. Spreading procumbent spring annual.

250974. Col. No. 17243. Above Resan, Macedonia. Elevation 4,000 feet. Decumbent spring annual.

250975 and 250976. *MEDICAGO SATIVA* L.

Alfalfa.

250975. Col. No. 17228. Debar, Macedonia. Elevation 2,000 feet. Plants erect, rather stemmy; seeding heavily.

250976. Col. No. 17334. Nicksich State Farm, Montenegro. Plants tall; cultivated by irrigation.

250977. *ONOBRYCHIS ARENARIA* DC. Fabaceae.

Col. No. 17230. Rocky slope, Lake Ohrid, Macedonia. Elevation 3,000 feet. Xerophyte.

250978. *ONOBRYCHIS CAPUT-GALLI* (L.) Lam.

Col. No. 17179. Ten km. north of Veles, Macedonia. Elevation 1,000 feet. Winter-spring annual, reported palatable.

250979. *PANICUM MILLACEUM* L. Poaceae.

Proso millet.

(No field number.)

250980. *PHLEUM PRATENSE* L. Poaceae.

Timothy.

Col. No. 17223. Mavrosko Lake, Macedonia. Elevation 4,200 feet. Vigorous xerophytic perennial.

250981. *POA PRATENSIS* L. Poaceae.

Kentucky bluegrass.

Col. No. 17202. Meadow slope, Mavrosko Lake, Macedonia. Elevation 4,200 feet. Short-leaved perennial.

250982. *POA TRIVIALIS* L.

Roughstalk bluegrass.

Col. No. 17216. Mavrosko Lake, Macedonia. Elevation 4,200 feet.

250983. *SECALE CEREALE* L. Poaceae.

Rye.

Col. No. 17235. Market by Lake Ohrid, Macedonia. Elevation 3,000 feet.

250984. *STIPA* sp. Poaceae.

Col. No. 17169. Twelve km. northeast of Skioje, Macedonia. Xerophytic perennial; leaves soft, hairy, palatable, forming good pasture.

250985 and 250986. *TRIFOLIUM CAMPESTRE* Schreb. Fabaceae.

Large hop clover.

250985. Col. No. 17203. Mavrosko Lake, Macedonia. Elevation 4,200 feet. Scattered spring annual.

250986. Col. No. 17253. Lake Prespa, Macedonia. Elevation 3,500 feet. Flowers yellow.

250987 and 250988. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. **Strawberry clover.**

250987. Col. No. 17249. Lake Ohrid, Macedonia.

250988. Col. No. 17255. Lake Prespa, Macedonia. Elevation 3,500 feet.

250989. *TRIFOLIUM MEDIUM* Huds.

Zig-zag clover.

Col. No. 17259. Northeast end of Shar Plannina. Elevation 4,000 feet. Short-stemmed hairy clover; leaves large.

250990 to 250995. *TRIFOLIUM PRATENSE* L.

Red clover.

250990. Col. No. 17198. Near Tetovo, Macedonia. Elevation 2,000 feet. Uniform commercial variety; glabrous, to two feet high.

250991. Col. No. 17199. Mavrosko Lake, Macedonia. Elevation 3,000 feet.

250992. Col. No. 17221. Mavrosko Lake, Macedonia. Elevation 4,200 feet.

250993. Col. No. 17246. Resen, Macedonia. Elevation 4,000 feet.

250994. Col. No. 17260. Northeast end of Shar Plannina. Elevation 4,000 feet. Variable wild form.

250995. Col. No. 17281. Chakor Mountain, Montenegro. Elevation 6,400 feet. Low scattered plants dominated by grasses.

250996 to 250998. *TRIFOLIUM REPENS* L.

White clover.

250996. Col. No. 17208. Mayrosko Lake, Macedonia. Elevation 4,200 feet.

250997. Col. No. 17211. Dry slope, Mavrosko Lake, Macedonia. Elevation 4,200 feet. A lawnlike drought-resistant cover.
250998. Col. No. 17214. Mavrosko Lake, Macedonia. Elevation 4,200 feet. Stems reddish; peduncles and petioles long.
- 250999 and 251000. *TRIFOLIUM RESUPINATUM* L. Persian clover.
250999. Col. No. 17200. Below Mavrosko Lake, Macedonia. Elevation 3,000 feet. Tall, succulent herb; good seeder.
251000. Col. No. 17217. Mavrosko Lake, Macedonia. Elevation 4,200 feet. Annual; stems succulent, to three feet long; flowers bright red; seeding heavily.
251001. *TRIFOLIUM GLABRUM* L.
- Col. No. 17250. Lake Prespa, Macedonia. Elevation 3,500 feet. In swampy meadow. Annual; stems long; flowers white to pale lavender.
251002. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
- Col. No. 17240. Market, Lake Ohrid, Macedonia.
251003. *VICIA SATIVA* L. Fabaceae. Common vetch.
- Col. No. 17190. Cooperative State Seed Farm, Ovche Polje, Macedonia. Planted February and March, harvested in June. Now in commercial production.
251004. *VICIA VILLOSA* Roth Hairy vetch.
- Col. No. 17233. Lake Ohrid, Macedonia. Elevation 2,900 feet. Glabrous twining annual; flowers purple.
251005. *VICIA* sp.
- Col. No. 17209. Mavrosko Lake, Macedonia. Elevation 4,200 feet. Fine-stemmed delicate annual.
251006. *VICIA* sp.
- Col. No. 17213. Mavrosko Lake, Macedonia. Elevation 4,200 feet.
251007. *VICIA* sp.
- Col. No. 17219. Mavrosko Lake, Macedonia. Elevation 4,200 feet.
251008. *VICIA* sp.
- Col. No. 17332. South of Shavnick, Montenegro. Elevation 3,900 feet. Erect, bushy, glaucous, fine-leaved annual; seeds ripening uniformly.
251009. *ZEA MAYS* L. Poaceae. Corn.
- Col. No. 17239. Market, Lake Ohrid, Macedonia.
251010. *ALOCASIA MICHOLITZIANA* Sander Araceae.
- From France. Plants presented by Marcel Lecoufle, Boissy-Saint-Leger, Received Sept. 8, 1958.
- 251011 to 251013. *CAMELLIA SINENSIS* (L.) Kuntze Theaceae. Tea.
- From Ceylon. Seeds presented by the Tea Research Institute, Talawakelle, Received Sept. 9, 1958.
251011. St. Coombs Estate. Elevation 4,500 feet.
251012. Kanapediwatte. Elevation 2,700 feet.
251013. Illuktenne. Elevation 700 feet.
- 251014 to 251019.
- From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Sept. 8, 1958.
251014. *TRITICUM DURUM* Desf. Poaceae. Durum wheat.
- Formerly from China, Tibet, and Chandu.
251015. *TRITICUM* sp.

- 251016 to 251018. *TRITICUM TIMOPHEEVII* (Zhukov.) Zhukovsky **Wheat.**
 251016. Natural hexaploid ($2n=42$) URSS, Georgia.
 251017. Octoploid—($2n=56$).
 251018. Octoploid—($2n=56$). Reproduced in Tashkent.
 251019. *TRITICUM* sp.
 Natural allopolyploid.

251020 to 251040.

From Afghanistan and Iran. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 9, 1958. From Iran unless otherwise noted.

- 251020 to 251021. *ALLIUM CEPA* L. Liliaceae. **Onion.**
 251020. Col. No. K744. Girishk bazaar, Afghanistan.
 251021. Col. No. K772. Afghanistan.
 251022. *BRASSICA RAPA* L. Brassicaceae. **Turnip.**
 Col. No. K745. Girishk bazaar, Afghanistan.
 251023. *CARTHAMUS OXYACANTHA* Bieb. Asteraceae.
 Col. No. K1602. One hundred seventy-eight km. northwest of Ardebil, Moghan road.
 251024 to 251027. *CICER ARIETINUM* L. Fabaceae. **Chickpea.**
 251024. Col. No. K774. Kandahar bazaar, Afghanistan.
 251025. Col. No. K1395. Isfahan bazaar.
 251026. Col. No. K1396. Isfahan bazaar.
 251027. Col. No. K1572. Ardebil bazaar.
 251028. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**
 Col. No. K741. Girishk bazaar, Afghanistan.
 251029 to 251032. *LENS CULINARIS* Medic. Fabaceae. **Lentil.**
 251029. Col. No. K1378. Gazvin bazaar, Isfahan.
 251030. Col. No. K1379. Hamedan bazaar, Isfahan.
 251031. Col. No. K1568. Ardebil bazaar.
 251032. Col. No. K1569. Ardebil bazaar.
 251033 to 251036. *PHASEOLUS AUREUS* Roxb. Fabaceae. **Mung bean.**
 251033. Col. No. K735. Girishk bazaar, Afghanistan.
 251034. Col. No. K736. Girishk bazaar, Afghanistan.
 251035. Col. No. K1380. Isfahan bazaar.
 251036. Col. No. K1381. Isfahan bazaar.
 251037 and 251038. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**
 251037. Col. No. K739. Girishk bazaar, Afghanistan.
 251038. Col. No. K773. Kandahar bazaar, Afghanistan.
 251039. *RUMEX* sp. Polygonaceae.
 Col. No. K708. South of ICA Staff House, Kandahar, Afghanistan.
 251040. *RUMEX* sp.
 Col. No. K1500. Six km. north of Flaverjan.

251041 to 251054.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 10, 1958.

- 251041.** *ALLIUM CEPA* L. Liliaceae. **Onion.**
(No field note.) Purchased at Cooperative State Seed Store, Skopje, Macedonia.
- 251042.** *BETA VULGARIS* L. Chenopodiaceae. **Sugar beet.**
Col. No. 17158. Twelve miles north of Niz, Serbia. Cultivated on state farm.
- 251043 and 251044.** *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**
251043. (No field note.) 'Ceme Bapqap'.
251044. (No field note.) Pungent variety.
- 251045 and 241046.** *FRAGARIA VESCA* L. Rosaceae. **European strawberry.**
251045. Col. No. 17300. Thirty miles east of Titograd, Montenegro.
251046. Col. No. 17382. Mountain east of Kupres, Bosnia. Elevation 4,000 feet. Plants small; fruiting scapes erect.
- 251047 and 251048.** *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**
251047. Col. No. 17197. Tetovo, Macedonia. Elevation 2,000 feet. Good quality.
251048. Col. No. 17237. Market by Lake Ohrid, Macedonia. Elevation 3,000 feet. Good flavor and quality.
- 251049 and 251050.** *PHASEOLUS VULGARIS* L. **Common bean.**
251049. Col. No. 17158.
251050. Col. No. 17238. Market, Lake Ohrid, Macedonia.
- 251051.** *PISUM SATIVUM* L. Fabaceae. **Garden pea.**
Col. No. 17236. Market, Lake Ohrid, Macedonia. Elevation 3,000 feet.
- 251052.** *RUBUS* sp. Rosaceae.
Col. No. 17301. Twenty-four miles east of Titograd, Montenegro. Elevation 5,000 feet. Fruit has good flavor.
- 251053.** *TRIFOLIUM REPENS* L. Fabaceae. **Whiteclover.**
Col. No. 17222. Mavrosko Lake, Macedonia. Elevation 4,200 feet.
- 251054.** *VACCINIUM* sp. Vacciniaceae.
Col. No. 17302. Twenty-seven miles east of Titograd, Montenegro. Elevation 5,000 feet.
- 251055 to 251076.**
From Mexico. Tubers collected by J. G. Hawkes, Birmingham University Plant Collecting Expedition to Mexico, Birmingham, England. Received Sept. 10, 1958.
- 251055 to 251059.** *SOLANUM BRACHISTOTRICHUM* (Bitter) Rydb. Solanaceae.
251055. Col. No. 1234. Majalca, Chihuahua, 40 miles northwest of Chihuahua City. Elevation 7,000 feet. Dry rocky hillsides, partial shade of *Juniperus monosperma* and *Pinus cembroides*.
251056. Col. No. 1258. Majalca, Chihuahua, 40 miles northwest of Chihuahua City. Rocky slope south of village. Elevation 7,000 feet. Flowers small, white, stellate.
251057. Col. No. 1284. Durango State, between Ojito and Rio Balleza, near Chihuahua border. Elevation 7,500 feet.
251058. Col. No. 1313. Chihuahua State, 11 miles from Vergel. Elevation 8,200 feet.
251059. Col. No. 1317. Durango State, near Chihuahua border, 28 miles from Vergel. Elevation 5,900 feet.
- 251060 and 251061.** *SOLANUM DEMISSUM* Lindl.
251060. Col. No. 1295. Balleza, Chihuahua, near Vergel. Elevation 8,500 feet.

251061. Col. No. 1296. Balleza, Chihuahua, near Vergel. Elevation 8,500 feet.

251062 to 251067. *SOLANUM FENDLERI* Gray.

251062. Col. No. 1230. Majalca, Chihuahua, 40 miles northwest of Chihuahua City. Elevation 6,900 feet.

251063. Col. No. 1355. Canon de los Lirios, Chihuahua, four miles west of Lirios Village. Elevation 7,200 feet.

251064. Col. No. 1356. Lime soil, Coahuila, near Saltillo, Lirios. Elevation 7,500 feet. Weeds in cultivated field.

251065. Col. No. 1357. Saltillo, Coahuila. Elevation 6,900 feet.

251066. Col. No. 1373. Galeana, Cerro Potosi, Nuevo Leon. Elevation 8,000 feet.

251067. Col. No. 1378. Cerro Potosi, Nuevo Leon. Elevation 8,200 feet.

251068. *SOLANUM LEPTOSEPALUM* Correll.

Col. No. 1368. Road west of San Antonio de las Alazanas, Sierra Madre Oriental. Elevation 9,000 feet. Flowers purple; sepals long; fruits warted.

251069. *SOLANUM POLYTRICHON* Rydb.

Col. No. 1283. Between Ojito and Rio Balleza, Durango State, near Chihuahua border. Elevation 7,500 feet.

251070 to 251072. *SOLANUM STOLONIFERUM* Schlecht.

251070. Col. No. 1293. Vergel, Chihuahua, near Durango border. Elevation 9,500 feet.

251071. Col. No. 1298. Balleza, Chihuahua. Elevation 8,500 feet. Flowers from white to purple.

251072. Col. No. 1301. Balleza, Vergel, Chihuahua State. Elevation 9,000 feet.

251073 to 251076. *SOLANUM VERRUCOSUM* Schlecht.

251073. Col. No. 1345. In wet, shady ravine, Canon de los Lirios, Coahuila, Saltillo.

251074. Col. No. 1350. Top of mountain ridge, in rich humid soil, Canon de los Lirios, Saltillo, Coahuila. Elevation 10,800 feet.

251075. Col. No. 1374. Rich soil under pines, Galeana, Cerra Potosi, Nuevo Leon. Elevation 8,800 feet.

251076. Col. No. 1375. Rich soil under pines, Galeana, Cerra Potosi, Nuevo Leon. Elevation 8,800 feet.

251077 to 251083.

From Afghanistan, Iran, and Egypt. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 10, 1958.

251077. *CENTAUREA DEPRESSA* BIEB. Asteraceae.

Col. No. K1510. Twenty-five miles northwest of Tabriz, Iran. Plants to 12 inches high; flowers purple.

251078. *CENTAUREA MOSCHATA* L.

Sweet-sultan.

Col. No. K1594. Seventy-five miles northwest of Ardebil-Moghan road, Iran. Plants to 15 inches high; flowers yellow.

251079. *CENTAUREA* sp.

Col. No. K717. Near ICA staff house, Kandahar, Arghanistan. Plants to 36 inches high.

251080. *CENTAUREA* sp.

Col. No. K1562. Ardebil road, 194 miles from Tabriz, Iran. Plants to 15 inches high; flowers yellow.

- 251081 and 251082. *NIGELLA SATIVA* L. Ranunculaceae. Black cumin.
 251081. Col. No. K1032. Alevandria bazaar, Egypt.
 251082. Col. No. K1069. Warehouse, Qus, Egypt.
 251083. *PAPAVER SOMNIFERUM* L. Papaveraceae. Opium poppy.
 Col. No. K738. Girishk bazaar, Afghanistan.

251084 to 251086.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 10, 1958.

251084. *COLCHICUM SPECIOSUM* Stev. Melanthiaceae.
 Col. No. 17313. South end of Durmitor, Montenegro. Elevation 4,600 feet.
 251085. *PIMPINELLA ANISUM* L. Apiaceae. Anise.
 (No field note.)
 251086. *ROSA* sp. Rosaceae.

Col. No. 17356. Arid meadow land, above Livno, Bosnia. Elevation 4,000 feet. Plant to eight inches high.

251087 to 251094.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Sept. 12, 1958.

251087. *ACROCOMIA SCLEROCARPA* Mart. Phoenicaceae. Macauba palm.
 251088. *BARNADESIA ROSEA* Lindl. Asteraceae.
 251089. *CHORISIA SPECIOSA* St. Hil. Bombacaceae. Floss-silktree.
 251090. *CORDYLINE DRACAENOIDES* Kunth. Liliaceae.
 251091. *DIPLUSODON VIRGATUS* Pohl Lythraceae.
 251092. *LAGERSTROEMIA SPECIOSA* (L.) Pers. Lythraceae. Queen crapemyrtle.
 251093. *MAURITIA VINIFERA* Mart. Phoenicaceae. Palm.
 251094. *RAPHIA* sp. Phoenicaceae.

251095 to 251151.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 12, 1958.

251095. *SALIX* sp. Salicaceae.
 Col. No. 17488. Sava River Valley. Elevation 500 feet. Young plants seven feet high; stems slender. Cultivated for making baskets, furniture, etc. (Cuttings.)
 251096. *AGROPYRON CRISTATUM* (L.) Gaertn. Poaceae. Crested wheatgrass.
 Col. No. 17189. Dry slope, Ovche Polje, Macedonia. Elevation 1,200 feet. Tufted perennial; leaves sparse.
 251097 to 251099. *AGROSTIS ALBA* L. Poaceae. Redtop.
 251097. Col. No. 17396. Thirty miles east of Titograd, Montenegro. Elevation 4,200 feet.
 251098. Col. No. 17315. South end of Durmitor, Montenegro. Elevation 4,600 feet. Very vigorous perennial, growing out of anthill.
 251099. Col. No. 17363. Kupres Valley, Bosnia. Elevation 3,800 feet. Fine-leaved perennial on old gopher mound.
 251100. *BOTHRIODCHLOA ISCHAEMUM* (L.) Keng Poaceae. King's Ranch bluestem.

Col. No. 17350. Between Dubrovnic and Split, Dalmatia. Elevation 500 to 1,000 feet. Small-tufted xerophytic perennial; palatable.

- 251101. ASTRAGALUS HAMOSUS L. Fabaceae. Milkvetch.**
Col. No. 17181. Near Veles, Macedonia. Elevation 1,000 feet. Winter-spring annual reported to be eagerly eaten by sheep.
- 251102. BRACHYPODIUM SYLVATICUM (Huds.) Beauv. Poaceae.**
Col. No. 17180. Road bank six miles north of Veles, Macedonia. Elevation 1,000 feet. Graceful grass; unpalatable.
- 251103. BRACHYPODIUM RAMOSUM (L.) Roem. & Schult.**
Col. No. 17351. South of Split, Dalmatia. Elevation 500 feet. Xerophytic perennial; unpalatable.
- 251104. BROMUS MOLLIS L. Poaceae. Soft chessgrass.**
Col. No. 17268. North slope of Shar Planina. Elevation 4,200 feet. Hairy annual; stem soft, leafy.
- 251105 and 251106. BROMUS ERECTUS Huds. Meadow brome.**
251105. Col. No. 17306. In meadow, Durmitor Mountain, Montenegro. Elevation 5,100 feet. Perennial forming caespitose colonies; cold resistant.
251106. Col. No. 17358. Southwest of Kupres, Bosnia. Elevation 3,600 feet. Leaves fine.
- 251107. BROMUS STAMINEUS Desv. Harlan brome.**
Col. No. 17361. Kupres Valley, Bosnia. Elevation 3,800 feet. Narrow-leaved perennial.
- 251108 and 251109. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.**
251108. Col. No. 17187. Dry coarse soil, Ovche Polje, Macedonia. Elevation 1,200 feet. Plant vigorous, coarse, forming ground cover.
251109. Col. No. 17191. Margin of flood plain, Ovche Polje, Macedonia. Elevation 1,200 feet. Coarse perennial.
- 251110. CYNOSURUS CRISTATUS L. Poaceae. Crested dogtail.**
Col. No. 17389. Twelve miles east of Sarajevo, Bosnia. Elevation 3,000 feet. A minor component in heavy grass mixture.
- 251111 to 251113. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.**
251111. Col. No. 17270. North slope of Shar Planina. Elevation 4,200 feet. Plant vigorous.
251112. Col. No. 17288. Murino, Montenegro. Elevation 3,500 feet. Medium leaf bulk.
251113. Col. No. 17387. Moist soil, twelve miles east of Sarajevo, Bosnia. Growing rankly with other grasses.
- 251114. DESCHAMPSIA sp. Poaceae.**
Col. No. 17291. Murino, Montenegro. Elevation 3,500 feet. Large grass forming a deep cover.
- 251115. DESCHAMPSIA sp.**
Col. No. 17362. Kupres Valley, Bosnia. Elevation 3,800 feet. Perennial with short culms; eaten by livestock.
- 251116 and 251117. FESTUCA ELATIOR L. Poaceae. Meadow fescue.**
251116. Col. No. 17262. North slope of Shar Planina. Elevation 4,200 feet. Perennial; leaves light green, succulent.
251117. Col. No. 17283. Alluvium, Murino, Montenegro. Elevation 3,500 feet. Perennial in mixed meadow.
- 251118. FESTUCA OVINA var. VIVIPARA L.**
Col. No. 17319. Meadow slope, south end of Mount Durmitor, Montenegro. Leaves tender, yellow-green, wide.
- 251119 to 251121. FESTUCA ELATIOR L. Poaceae. Meadow fescue.**
251119. Col. No. 17328. Slope south of Shavnick, Montenegro. Elevation 3,900 feet. Stunted perennial in meadow.

251120. Col. No. 17353. Livno Valley, Bosnia. Elevation 2,300 feet.
251121. Col. No. 17366. State farm, Kupres Valley, Bosnia. Elevation 3,800 feet. Apparent perennial.
251122. *FESTUCA ARUNDINACEA* Schreb. **Tall fescue.**
Col. No. 17386. Twelve miles east of Sarajivo, Bosnia. Elevation 3,000 feet. Variable population.
251123. *FESTUCA OVINA* L. **Sheep fescue.**
Col. No. 17290. Murino, Montenegro. Elevation 3,500 feet. Short-leaved perennial on drier side of meadow.
251124. *FESTUCA RUBRA* var. *HETEROPHYLLA* (Lam.) Mutel. **Shade fescue.**
Col. No. 17298. Thirty miles east of Titograd, Montenegro. Elevation 4,200 feet. Plant short-leaved.
- 251125 to 251128. *FESTUCA OVINA* L. **Sheep fescue.**
251125. Col. No. 17304. Durmitor Mount Montenegro. Elevation 5,100 feet. Dominant short-grass perennial in meadow.
251126. Col. No. 17311. South end of Durmitor, Montenegro. Elevation 4,600 feet. Rank growth in moist soil; culms very long.
251127. Col. No. 17330. Highland slope meadows, south of Shavnick, Montenegro. Elevation 5,250 feet. Short lawn fescue. One of the prevailing grasses.
251128. Col. No. 17355. Arid brownish soil, above Livna, Bosnia. Elevation 4,000 feet. Plant short-leaved; culms short.
251129. *FESTUCA RUBRA* L. **Red fescue.**
Col. No. 17391. Highland meadow, Romanian Mountains east of Sarajivo, Bosnia. Elevation 4,000 feet. A variable and dominating population with narrow leaves.
251130. *FESTUCA RUBRA* L. **Red fescue.**
Col. No. 17274. North slope of Shar Plannina. Elevation 5,700 feet. Fine-leaved turf with clovers.
251131. *FESTUCA OVINA* L. **Sheep fescue.**
Col. No. 17292. Murino, Montenegro. Elevation 3,500 feet. Lawn type with very short blade; never needs mowing.
- 251132 to 251134. *FESTUCA RUBRA* L. **Red fescue.**
251132. Col. No. 17310. Durmitor, Montenegro. Elevation 5,100 feet. Plant vigorous, cold hardy, sod forming; leaves long.
251133. Col. No. 17316. South end of Mount Durmitor, Montenegro. Elevation 4,600 feet. Plant vigorous, to 1.5 feet high.
251134. Col. No. 17329. South of Shavnick, Montenegro. Elevation 5,250 feet. Leaves yellowish; heads purplish; culms strong, long.
251135. *FESTUCA OVINA* var. *DURIUSCULA* (L.) Koch. **Hard fescue.**
Col. No. 17305. Durmitor Mount Montenegro. Elevation 5,100 feet. Taller than P.I. 251125; cold hardy.
251136. *FESTUCA ELATIOR* L. **Meadow fescue.**
Col. No. 17357. Brown leached soil, southwest of Kupres, Bosnia. Elevation 3,600 feet. Fine-leaved xerophyte on fallow land.
251137. *FESTUCA RUBRA* var. *HETEROPHYLLA* (Lam.) Mutel. **Shade fescue.**
Col. No. 17368. Kupres Valley, Bosnia. Elevation 3,800 feet. Short-leaved, sod-forming perennial dominating the *Festuca-Nardua* community.
251138. *FESTUCA RUBRA* L. **Red fescue.**
Col. No. 17376. Twelve miles south of Kupres, Bosnia. Elevation 4,000 feet. Culms tall.

251139. *LATHYRUS* sp. Fabaceae.

Col. No. 17326. South of Shavnick, Montenegro. Elevation 3,900 feet. Sprawling annual vine to three feet; flowers bright pink.

251140 and 251141. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**

251140. Col. No. 17157. Between Slatina and Bunar, Serbia. Colonial sod-like perennial.

251141. Col. No. 17184. Ovche Polje, Macedonia. Elevation 1,200 feet.

251142. *LINUM PERENNE* L. Linaceae. **Perennial flax.**

Col. No. 17192. Ovche Polje, Macedonia. Elevation 1,200 feet. Annual spring herb.

251143. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**

Col. No. 17172. Six miles northeast of Skopje, Macedonia. Weak-stemmed perennial to one foot high.

251144 to 251147. *LOTUS CORNICULATUS* var. *CILIATUS* (Tenore) C. Koch.**Trefoil.**

251144. Col. No. 17185. Ovche Polje, Macedonia. Elevation 1,200 feet. Spreading or decumbent herb.

251145. Col. No. 17327. South of Shavnick, Montenegro. Elevation 3,900 feet. Decumbent; sparsely scattered on drier slope of meadow.

251146. Col. No. 17280. Near Prizren, Serbia. Elevation 2,800 feet. Erect perennial to 16 inches high; stems leafy; seeding irregularly.

251147. Col. No. 17284. Murino, Montenegro. Elevation 3,500 feet. Scattered, variable population; pods large.

251148. *LOTUS DECUMBENS* Poir.**Trefoil.**

Col. No. 17349. Riverside swamp, near Metkovic, Dalmatia. Spreading perennial.

251149. *LOTUS TENUIS* Waldst. & Kit. ex Willd.**Trefoil.**

Col. No. 17354. Livno Valley, Bosnia. Elevation 2,300 feet. A close-cropped, spreading herb.

251150 and 251151. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**

251150. Col. No. 17265. North slope, Shar Plannina. Elevation 4,200 feet. Vigorous, spreading, decumbent spring annual.

251151. Col. No. 17325. South of Shavnick, Montenegro. Elevation 3,900 feet. Spring annual.

251152 to 251154.

From Italy. Plants collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 17, 1958.

251152. *ASPARAGUS* sp. Convallariaceae.

Col. No. 17589. Sandy soil, Maritime Woods, near Pisa.

251153. *MEDICAGO* sp. Fabaceae.

Col. No. 17573. Six miles north of Pietramala, Bologna road. Elevation 3,000 feet. Rhizomatous perennial; stems short, fine; leaves fine; flowers purple turning yellow and greenish-yellow.

251154. *RUSCUS ACULEATUS* L. Convallariaceae.**Butcher's broom.**

Col. No. 17588. 'Pungi-topo'. Sandy soil, Maritime Woods, near Pisa. Perennial.

251155 to 251202.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 16, 1958.

251155. *MEDICAGO ORBICULARIS* (L.) All. Fabaceae **Buttonclover.**
Col. No. 17176. Winter sheep range, near Veles, Macedonia. Elevation 1,000 feet. Winter-spring annual.
251156. *MEDICAGO SATIVA* L. **Alfalfa.**
Col. No. 17228. 'Debar'. (No field note.)
- 251157 and 251158. *NARDUS STRICTA* L. Poaceae.
251157. Col. No. 17331. Durmitor Mount Montenegro. Elevation 5,200 feet. Perennial, forming cushion to six inches deep.
251158. Col. No. 17369. Kupres Valley, Bosnia. Elevation 3,800 feet. Dense perennial; long leaved.
251159. *ONOBRYCHIS ARENARIA* DC. Fabaceae.
Col. No. 17178. Dry slope near Veles, Macedonia. Elevation 1,000 feet. Palatable perennial herb; flowers white.
251160. *ONOBRYCHIS VICIAEFOLIA* Scop. **Sainfoin.**
Col. No. 17182. Six miles north of Veles, Macedonia. Elevation 1,000 feet. Small, drought-inhibited perennial; leaves green.
251161. *POA COMPRESSA* L. Poaceae. **Canada bluegrass.**
Col. No. 17309. Durmitor Mountain, Montenegro. Elevation 5,100 feet. Cold-hardy grass in meadow.
- 251162 and 251163. *POA PRATENSIS* L. **Kentucky bluegrass.**
251162. Col. No. 17303. Durmitor Mountain, Montenegro. Elevation 5,100 feet.
251163. Col. No. 17373. Twelve miles south of Kupres, Bosnia. Elevation 4,000 feet.
251164. *PUCCINELLIA LIMOSA* (Schur) Holmb. Poaceae.
Col. No. 17186. Ovche Polje, Macedonia. Elevation 1,200 feet. Thriving perennial in spring flood basin.
- 251165 and 251166. *POA PRATENSIS* L. Poaceae. **Kentucky bluegrass.**
251165. Col. No. 17307. Durmitor Mountain, Montenegro. Elevation 5,100 feet. Plant leafy, cold hardy; crown to eight inches deep.
251166. Col. No. 17374. Twelve miles south of Kupres, Bosnia. Elevation 4,000 feet. Perennial; leaves broad.
251167. *POA TRIVIALIS* L. **Roughstalk bluegrass.**
Col. No. 17395. Romanian Mountains east of Sarajevo, Bosnia. Elevation 3,800 feet. Rank grass.
- 251168 and 251169. *SANGUISORBA MINOR* Scop. Rosaceae. **Small burnet.**
251168. Col. No. 17175. Six miles north of Veles, Macedonia. Elevation 1,000 feet. Perennial herb.
251169. Col. No. 17287. Murino, Montenegro. Elevation 3,500 feet.
- 251170 to 251172. *TRIFOLIUM AGRARIUM* L. Fabaceae. **Hop clover.**
251170. Col. No. 17258. Northeast end of Shar Plannina. Elevation 4,000 feet.
251171. Col. No. 17289. Murino, Montenegro. Elevation 3,500 feet.
251172. Col. No. 17271. North slope, Shar Plannina. Elevation 4,500 feet.
251173. *TRIFOLIUM DUBIUM* Sibth. **Small hop clover.**
Col. No. 17266. North slope, Shar Plannina. Elevation 4,200 feet. Tap-rooted annual.
- 251174 to 251177. *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**
251174. (No field note or number.) Six miles from Prizren, Serbia.

251175. Col. No. 17348. Near Metkovic, Dalmatia. Leafy herb.
251176. Col. No. 17163. Steubel, north of Vranje.
251177. Col. No. 17177. Near Veles, Macedonia. Elevation 1,000 feet. Perennial herb along drainways.
- 251178 to 251188. *TRIFOLIUM PRATENSE* L. **Red clover.**
251178. Col. No. 17161. Twelve miles north of Vranje.
251179. Col. No. 17263. North slope of Shar Plannina. Elevation 4,200 feet. Very variable.
251180. Col. No. 17276. North slope of Shar Plannina. Elevation 5,700 feet. Plant dwarf, chlorotic, cold-hardy perennial.
251181. Col. No. 17278. Soil poor, north slope of Shar Plannina. Elevation 4,200 feet. Low stunted herb.
251182. Col. No. 17286. Murino, Montenegro. Elevation 3,500 feet. Plants variable.
251183. Col. No. 17293. Thirty-one miles east of Titograd, Montenegro. Plants small leaved.
251184. Col. No. 17318. South end of Mount Durmitor, Montenegro. Elevation 4,600 feet. Depauperate perennial; leaves small.
251185. Col. No. 17359. Dry roadside, Kupres Valley, Bosnia. Elevation 3,800 feet. Plants stunted.
251186. Col. No. 17370. Twelve miles south of Kupres, Bosnia. Elevation 4,000 feet. Plants low, spreading, cespitose.
251187. Col. No. 17380. Mountain east of Kupres, Bosnia. Elevation 4,000 feet. Bushlike, long-lived, perennial to four feet high; flowers pink. Excellent for roadsides, parkways, etc.
251188. Col. No. 17384. Twelve miles east of Sarajevo, Bosnia. Elevation 3,000 feet. Spontaneous, forming tall clumps.
- 251189 to 251197. *TRIFOLIUM REPENS* L. **Whiteclover.**
251189. Col. No. 17159. Twelve miles north of Vranje. Perennial; flowers pinkish.
251190. Col. No. 17162. Steubel, north of Vranje.
251191. Col. No. 17269. North slope, Shar Plannina. Flowers pink and white.
251192. Col. No. 17273. North slope, Shar Plannina. Elevation 5,700 feet. A vigorous cold-resistant population.
251193. Col. No. 17295. On slope 31 miles east of Titograd, Montenegro. Elevation 4,200 feet. Late-flowering colony.
251194. Col. No. 17314. South of Durmitor, Montenegro. Elevation 4,600 feet. Plants low, spreading.
251195. Col. No. 17371. Twelve miles south of Kupres, Bosnia. Elevation 4,000 feet.
251196. Col. No. 17379. Mountain east of Kupres, Bosnia. Elevation 4,000 feet.
251197. Col. No. 17393. Romanian mountains east of Sarajevo, Bosnia. Elevation 4,000 feet.
251198. *TRIFOLIUM RESUPINATUM* L. **Persian clover.**
- Col. No. 17196. Bottomland meadows; soil heavy alkaline clay, state farm 10 miles south of Skopje, Macedonia. Elevation 1,000 feet.
251199. *VICIA ERVILLIA* (L.) Willd. Fabaceae. **Bittervetch.**
- Col. No. 17183. Near Veles, Macedonia. Elevation 1,000 feet. Small spring annual.
251200. *VICIA SATIVA* L. **Common vetch.**
- Col. No. 17339. Seed store, Dubrovnick, Dalmatia.

251201. VICIA sp.

Col. No. 17299. Thirty-one miles east of Titograd, Montenegro. Elevation 4,200 feet. Upright bushy perennial to two feet high.

251202. VICIA sp.

Col. No. 17378. Mountain east of Kupres, Bosnia. Elevation 4,000 feet. Perennial; stems to four feet.

251203. RUBUS sp. Rosaceae.

From Argentina. Seeds presented by Robert Reynolds, Tierra del Fuego. Received Sept. 17, 1958.

Native to Tierra del Fuego.

251204. CNICUS BENEDICTUS L. Asteraceae. Blessed thistle.

From California. Seeds presented by W. H. Isom, Brawley. Received Sept. 17, 1958.

251205 to 251214.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 18, 1958.

251205. MEDICAGO FALCATA L. Fabaceae. Yellow-flowered alfalfa.

Col. No. 17173. Six miles northeast of Skopje, Macedonia. Elevation 2,000 feet. Cespitose perennial; stems leafy to two feet long; flowers yellow.

251206. POA BULBOSA L. Poaceae. Bulbous bluegrass.

Col. No. 17229. Dry rocky slope, Lake Ohrid, Macedonia. Elevation 3,000 feet. Tufted perennial.

251207. POA NEMORALIS L. Wood bluegrass.

Col. No. 17226. West of Mavrosko Lake, Macedonia. Elevation 4,200 feet. Shade tolerant xerophytic perennial; leaves thin, to five inches long.

251208. EREMOPOA PERSICA (Trin.) Roshev. Poaceae.

Col. No. 17206. Wet meadow, Mavrosko Lake, Macedonia. Elevation 4,200 feet.

251209. TRIFOLIUM AGRARIUM L. Fabaceae. Hop clover.

Col. No. 17204. Dry slopes, Mavrosko Lake, Macedonia. Elevation 4,200 feet. Small spring annual; flowers yellow.

251210 and 251211. TRIFOLIUM MEDIUM Huds. Zig-zag clover.

251210. Col. No. 17245. Above Resen, Macedonia. Elevation 4,000 feet. Hairy perennial; flower heads large, red.

251211. Col. No. 17247. Above Resen, Macedonia. Elevation 4,000 feet. Big-leaved perennial herb.

251212. TRIFOLIUM REPENS L. Whiteclover.

Col. No. 17210. Mavrosko Lake, Macedonia. Elevation 4,200 feet. Small atypical clone; stems long stoloniferous.

251213. TRIFOLIUM ALEXANDRINUM L. Berseem clover.

Col. No. 17154. Irrigation Experimental Farm, Srbobran, Serbia. Tall closely colonial annual.

251214. TRIFOLIUM sp.

Col. No. 17335. Nicksich, Montenegro. Elevation 2,100 feet. Spreading, decumbent, perennial herb.

251215 to 251222.

From Afghanistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 18, 1958.

251215. *ARISTIDA PENNATA* Trin. Poaceae.

Col. No. K749. North of Marja.

251216. *BROMUS TECTORUM* L. Poaceae.

Cheatgrass.

Col. No. K755. Five miles east of Khagiani. Plant to six inches high.

251217 and 241218. *BROMUS RACEMOSUS* L.

Bald brome.

251217. Col. No. K759. Twenty miles west of Kandahar. Plant to 10 inches high.

251218. Col. No. K767. One and one-half miles south of Kandahar. Plants to 15 inches high.

251219. *CANNABIS SATIVA* L. Moraceae.

Hemp.

Col. No. K743. Girishk bazaar.

251220. *PUCCINELLIA DISTANS* (L.) Parl. Poaceae.

Col. No. K766. One and one-half miles south of Kandahar. Plants to 15 inches high.

251221. *VICIA LUTEA* L. Fabaceae.

Col. No. K757. Twenty miles west of Kandahar.

251222. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

Common cowpea.

Col. No. K734. Girishk bazaar.

251223 to 251225.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 18, 1958.

Purchased at Cooperative State Seed Store, Skopje, Macedonia. Of local origin.

251223. *CANNABIS SATIVA* L. Moraceae.

Hemp.

251224. *LOLIUM PERENNE* L. Poaceae.

Perennial ryegrass.

251225. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

251226 to 251233.

From Israel, Afghanistan, Iran and Egypt. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 18, 1958.

251226 and 251227. *CICER ARIETINUM* L. Fabaceae.

Chickpea.

251226. Col. No. K1115. Jerusalem bazaar, Israel.

251227. Col. No. K1116. Jerusalem bazaar, Israel.

251228. *DAUCUS CAROTA* L. Apiaceae.

Carrot.

Col. No. K768. Kandahar bazaar, Afghanistan.

251229. *PHASEOLUS AUREUS* Boxb. Fabaceae.

Mung bean.

Col. No. K770. Kandahar bazaar, Afghanistan.

251230. *RUMEX* sp. Polygonaceae.

Col. No. K709.

251231 and 251232. *VICIA FABA* L. Fabaceae.

Broadbean.

251231. Col. No. K1667. Meshed bazaar, Iran.

251232. Col. No. K1080. Asyut bazaar, Egypt.

251233. *VIGNA SINENSIS* (Torner) Savi Fabaceae.

Common cowpea.

Col. No. K771. Kandahar bazaar, Afghanistan.

251234. *GOSSYPIUM HERBACEUM* L. Malvaceae. Levant cotton.

From Aden. Seeds presented by the Empire Cotton Growing Corporation, London, England. Received Sept. 19, 1958.

Collected at Beihan.

251235 to 251282.

From Iran, Pakistan, Egypt, and India. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 19, 1958.

251235 to 251240. Lyallpur Agricultural College, Lyallpur, Pakistan.

251235. *BRASSICA CAMPESTRIS* L. Brassicaceae. Bird rape.

Col. No. K369.

251236. *BRASSICA NAPUS* L. Rape.

Col. No. K369.

251237. *BRASSICA CAMPESTRIS* L. Bird rape.

Col. No. K370.

251238. *BRASSICA CAMPESTRIS* var. *SARSON* Prain Sarson.

Col. No. K368.

251239. *BRASSICA JUNCEA* (L.) COSS. Chinese mustard

Col. No. K371.

251240. *BRASSICA NAPUS* L. Rape.

Col. No. K366.

251241. *BRASSICA* sp.

Col. No. K1031. Alexandria bazaar, Egypt.

251242 and 251243. *CICER ARIETINUM* L. Fabaceae. Chickpea.

251242. Col. No. K674. Amritsar bazaar, India.

251243. Col. No. K1030. Alexandria bazaar, Egypt.

251244. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.

Col. No. K675. Amritsar bazaar, India.

251245 to 251247. *LACTUCA SATIVA* L. Cichoriaceae. Garden lettuce.

251245. Col. No. K1058. Kena, Egypt. Grown for oil in same manner as safflower.

251246. Col. No. K1065. Qus, Egypt.

251247. Col. No. K1066. Warehouse of Ibrahim Osman, Qus, Egypt.

251248. *LENS CULINARIS* Medic. Fabaceae. Lentil.

Col. No. K1068. Kena, Egypt.

251249. *EREMOPYRUM ORIENTALE* (L.) Taub. & Spach Poaceae.

Col. No. K1507. Nine miles northwest of Tabriz, Iran. Plants to six inches high.

251250. *AGROSTIS ALBA* L. Poaceae. Redtop.

Col. No. 1523. Thirty-two miles west of Tabriz, West Pakistan.

251251. *Poa* sp.

Col. No. 1632. Hot springs north side of Mount Favalen, east of Tabriz, Iran.

251252. *BOTHRIOCHOLA ISCHAEMUM* (L.) Keng Poaceae. Kings Ranch bluestem.

Col. No. 1582. Twenty-four miles northwest of Ardebil, Iran. Plants to 24 inches high.

251253. *CANNABIS SATIVA* L. Moraceae. Hemp.

Col. No. 1491. 'Shahdaneh'. Flaverjan bazaar, Iran.

251254. *CARTHAMUS GLAUCUS* Bieb. Asteraceae.

Col. No. 1110. One mile north of Wadi Yabis, Jordan.

251255 to 251261. *CARTHAMUS SYRIACUS* (Boiss.) Dinsm.

251255. Col. No. K1093. Twenty-five miles from Amman, Ardah Road, Jordan. Pubescent; long bracts.

- 251256 to 251261. Deir Allah Station, Jordan.
251256. Col. No. K1094.
251257. Col. No. K1095.
251258. Col. No. K1096.
251259. Col. No. K1097.
251260. Col. No. K1098.
251261. Col. No. K1106.
- 251262 to 251268. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**
- 251262 to 251264. One mile east of Deir Allah Station, Jordan.
251262. Col. No. K1099. Plants to two feet high, spineless; flowers red; heads 0.75 to 1.25 inches long.
251263. Col. No. K1100. Plant spiny; flowers yellow.
251264. Col. No. K1101. Plant spiny; flowers golden yellow.
- 251265 and 251266. Deir Allah Station, Jordan.
251265. Col. No. K1103. Plant spineless; flowers red.
251266. Col. No. K1104. Plant spineless; flowers orange.
251267. Col. No. K1105. One mile north of Deir Allah, Jordan. Plant spineless, to 24 inches high; flowers red.
251268. Col. No. K1108. Wadi Yabis Sub-station, Jordan.
251269. *HORDEUM VULGARE* L. Poaceae. **Common barley.**
- Col. No. K377. Cereal Section, Lyallpur Agricultural College, Lyallpur, West Pakistan. A popping type, hull-less.
251270. *LOTUS* sp. Fabaceae.
- Col. No. K1654. West boundary of Golmacon, Iran. Plant prostrate; flowers yellow.
251271. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**
- Col. No. K1652. North boundary of Golmacon, Iran. Plant prostrate.
251272. *MELICA CUPANI* Guss. Poaceae.
- Col. No. K1584. Twenty-one miles northwest of Ardebil, Iran.
251273. *PANICUM MILLACEUM* L. Poaceae. **Proso millet.**
- Col. No. K1501. 'Arzan'. Isfahan bazaar, Iran.
251274. *PHALARIS CANARIENSIS* L. Poaceae. **Canarygrass.**
- Col. No. K1033. Alexandria bazaar, Egypt.
251275. *POA BULBOSA* L. Poaceae. **Bulbous bluegrass**
- Col. No. K1653. North boundary of Golmacon, Iran. Plants to 15 inches high.
- 251276 to 251278. *POA PRATENSIS* L. **Kentucky bluegrass.**
251276. Col. No. K1617. Thirteen miles south of Lari, slope of Mount Savalan, Iran.
251277. Col. No. K1555. One hundred miles east of Tabriz, road to Ardebil via Sarab, Iran.
251278. Col. No. K1561. One hundred fourteen miles east of Tabriz, road to Ardebil via Sarab, Iran. Plants to 10 inches high.
251279. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**
- Col. No. K1651. North boundary of Golmacon, Iran. Flowers pink.
251280. *TRIFOLIUM REPENS* L. **Whiteclover.**
- Col. No. K1565. One hundred fifty miles east of Tabriz, road to Ardebil via Sarab, Iran.

251281. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**

Col. No. K1487. 'Chanbaliz'. Twelve miles west of Isfahan, Iran.

251282. *VICIA VILLOSA* Roth. Fabaceae. **Hairy vetch.**

Col. No. K1499. Four miles north of Flaverjan. Flowers purple.

251283. *CEPHALOTUS FOLLICULARIS* Labill. Cephalotaceae.

From Australia. Plants collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 23, 1958.

S-3. 'Albany Pitcher Plant'. Albany-Denmark road, west of Denmark, West Australia. Herb with rosette of small fleshy leaves, and long erect peduncle bearing small panicles of flowers, with pitchers like *Nepenthes* spp. or *Sarracenia* spp., but not related to either.

251284 to 251295.

From Jordan and Israel. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 22, 1958.

251284 to 251291. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**

251284. Col. No. K1109. Wadi Yabis Sub-station, Jordan. Plant spiny; flowers red or orange.

251285. Col. No. K1111. Three miles north of Wadi Yabis Sub-station. Plant to 30 inches high, spineless; flowers red.

251286. Col. No. K1112. Three miles north of Wadi Yabis Sub-station. Plant green, spiny; flowers yellowish.

251287. Col. No. K1113. Three miles north of Wadi Yabis Sub-station. Plant green, spiny; flowers yellowish.

251288. Col. No. K1114. Amman-Nabulus road, 60 miles from Amman, Jordan. Plants to 30 inches high, spineless; flowers red.

251289. Col. No. K1119. Jerusalem bazaar.

251290. Col. No. K1120. Jerusalem bazaar.

251291. Col. No. K1644. (No field note.)

251292 and 251293. *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**

251292. Col. No. K1121. Jerusalem bazaar.

251293. Col. No. K1122. Jerusalem bazaar.

251294 and 251295. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

251294. Col. No. K1102. Deir Allah Station, Jordan. Plant resistant to root rots.

251295. Col. No. K1123. Jerusalem bazaar.

251296 to 251323.

From the United States. Seeds presented by Charles M. Rick, Department of Vegetable Crops, University of California, Davis, California. Received Sept. 22, 1958.

Localities given are former sources of material.

251296 to 251300. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

251296. LA 396. Market, Chiclayo, Peru.

251297. LA 409. Guayaquil, Ecuador. Fruit with large fasciations.

251298. LA 457. Market, Tacna, Peru.

251299. LA 475. Sucua, Ecuador.

251300. LA 476. Sucua, Ecuador.

251301 and 251302. *LYCOPERSICON GLANDULOSUM* C. H. Mull.

251301. LA 364. Nine km. west of Canta, Peru.

251302. LA 366. Twelve km. west of Canta, Peru.

251303. *LYCOPERSICON HIRSUTUM* Humb. & Bonpl.

LA 360. Five km. west of Canta, Peru.

251304 and 251305. *LYCOPERSICON HIRSUTUM* var. *GLABRATUM* C. H. Mull.

251304. LA 407. El Mirador, outskirts of Guayaquil, Ecuador.

251305. LA 440. One hundred twenty-one km. from Guayaquil, near Sibambe, Ecuador.

251306 to 251312. *LYCOPERSICON PERUVIANUM* (L.) Mill.

251306. LA 374. Culebras, Peru.

251307. LA 378. Cascas, Peru.

251308. LA 446. Lomas de Atiquipa, Peru.

251309. LA 448. Chala, Peru.

251310. LA 449. Atico, Peru.

251311. LA 451. Eighteen km. south of Arequipa, Peru.

251312. LA 441. Cerro Campana, near Trujillo, Peru.

251313. *LYCOPERSICON PERUVIANUM* var. *DENTATUM* Dun.

LA 470. Taltal, Chile.

251314. *LYCOPERSICON PERUVIANUM* var. *HUMIFUSUM* C. H. Mull.

LA 383. Along the Rio Jequetepeque, Peru, 64 km. east of Pan-American Highway.

251315 to 251323. *LYCOPERSICON PIMPINELLIFOLIUM* (Jusl.) Mill.

251315. LA 381. Pongo, Peru, 45 km. from Pan-American Highway, Cajamarca road.

251316. LA 384. Chilete, Peru.

251317. LA 397. Twenty km. east of Chiclayo, Peru.

251318. LA 400. Hancabamba road, Buenos Aires, Peru.

251319. LA 411. Pichilingue, Ecuador.

251320. LA 412. Pichilingue, Ecuador.

251321. LA 413. Cerecita, Ecuador.

251322. LA 417. Punta Polvora, Puna Island, Ecuador.

251323. LA 418. Daule, Ecuador.

251324. *PRUNUS ARMENIACA* L. Amygdalaceae.

Apricot.

From France. Seeds presented by the Station de Recherches Viticoles and d'Arboriculture Fruitiere, Pont-de-la-Maye. Received Sept. 22, 1958.

'Rouge de Roussillon'. From the Cooperative de Recherches Arboricoles, Perpignan, Rousillon. A very old variety that includes several types or strains.

251325 and 251326.

From Iran. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 23, 1958.

251325. *ALLIUM* sp. Liliaceae.

Col. No. K1598. Eighty miles northwest of Ardebil, Hohan road. Plant to 30 inches high.

251326. *BRASSICA* sp. Brassicaceae.

Col. No. K1647. Golmacon bazaar.

251327. CYTISUS sp. Fabaceae.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 23, 1958.

Col. No. 17381. Mountain east of Kupres, Bosnia. Perennial to 6 dm. high; leaves simple.

251328. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

From Tanganyika. Seeds presented by Arusha Limited, Arusha. Received September 23, 1958.

'Haricot 373'. Susceptible to rust.

251329 to 251331.

From Jordan and Israel. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 24, 1958.

251329. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

Col. No. K1107. Wadi Yabis Sub-station, 25 km. north of Deir Allah Station, Jordan.

251330 and 251331. VICIA FABA L. Fabaceae. Broadbean.

Jerusalem bazaar, Israel.

251330. Col. No. K1117. Seeds large.

251331. Col. No. K1118. Seeds small.

251332 to 251363.

From Japan. Seeds presented by the National Institute of Genetics, Misima, Sizuoka-ken. Received Sept. 23, 1958.

Localities given are former sources of material.

251332. ORYZA GRANULATA Nees & Arn. Poaceae. Rice.

W0004. Waterfall, Coimbatore, India.

251333 and 251334. ORYZA OFFICINALIS Wall. Rice.

251333. W0002. Bangkok, Thailand.

251334. W0006. Rambukkana, Ceylon.

251335 to 251340. ORYZA PERENNIS Moench. Rice.

251335. W0108. Cuttack, Orissa, India.

251336. W0120. Cuttack, Orissa, India.

251337. W0121. Cuttack, Orissa, India.

251338. W0126. Ondava, Gunpur, India.

251339. W0128. Budina, Gunpur, India.

251340. W0149. Raipur, India.

251341. ORYZA RIDLEYI Hook. f. Rice.

W0001. Nonburi, Bangkok, Thailand.

251342 to 251360. ORYZA SATIVA L. Rice.

251342. W0102. Patna, Cuttack, India.

251343. W0103. Patna, Cuttack, India.

251344. W0106. Phulankara, Cuttack, India.

251345. W0107. Bhuvaneswar, Orissa, India.

251346. W0129. Boliguma, Gunpur, India.

251347. W0130. Khilapadar, Gunpur, India.

251348. W0133. Bicavole, Samalkot, India.

- 251349. W0134. Kasavaram, Samalkot, India.
- 251350. W0135. Kasavaram, Samalkot, India.
- 251351. W0136. Kadium, Samalkot, India.
- 251352. W0137. Kadium, Samalkot, India.
- 251353. W0138. Trichur, Kerala, India.
- 251354. W0139. Trichur, Kerala, India.
- 251355. W0141. Trichur, Kerala, India.
- 251356. W0145. Bangkok, Thailand.
- 251357. W0146. Bangkok, Thailand.
- 251358. W0150. Cultivated. Raipur, India.
- 251359. W0151. Segregatin. Raipur, India.
- 251360. W0154. Tao-yuan, Formosa.

251361. *ORYZA* sp.

W0122. Cuttack, Orissa, India.

251362. *ORYZA* sp.

W0123. Cuttack, Orissa, India.

251363. *ORYZA* sp.

W0125. Naguru, Gunpur, India.

251364. *SOLANUM TUBEROSUM* L. Solanaceae.

Potato.

From Costa Rica. Tubers presented by the Instituto Inter-Americano de Ciencias Agricolas, San Jose. Received Sept. 24, 1958.

'Morada Blanca'. From Chicua. Elevation 9,000 feet. Grown in Costa Rica for 40 years. Resistance to leaf roll and other viruses.

251365 to 251368.

From Mexico. Seeds collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 24, 1958.

251365 to 251367. *THEOBROMA CACAO* L. Sterculiaceae.

Cacao.

251365. Col. No. 84. Comalcalco, Tabasco. Seeds pure white.

251366. Col. No. 85. Comalcalco, Tabasco. Seeds gray outside white within.

251367. Col. No. 86. Comalcalco, Tabasco. Seeds very pale, almost white.

251368. *THEOBROMA PENTAGONA* Bern.

Col. No. 78. 'Cacao Lagarto'. Finca la Rioja, Cacahuatan, Chiapas. Open-pollinated.

251369 to 251374. *PRUNUS ARMENIACA* L. Amygdalaceae. **Apricot.**

From France. Scions presented by the Societe Cooperative de Recherches et d'Experimentations Agricoles, Perpignan. Received Sept. 24, 1958.

251369. 'Blanc Rose'.

251370. 'Bulida'.

251371. 'Commun'.

251372. 'Hatif Colamer'.

251373. 'Musque de Provence'.

251374. 'Rouge de Roussillon'.

251375 to 251377. *GOSYPIUM* (hybrids). Malvaceae. **Cotton.**

From Peru. Seeds presented by Anderson, Clayton and Company, Lima. Received Sept. 25, 1958.

251375. 'Pima Antiguo'.

251376. 'Pima BP'.

251377. 'Pima Direx'.

251378 to 251414.

From Afghanistan and Iran. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 25, 1958. From Iran unless otherwise noted.

251378 and 251379. *EREMOPYRUM ORIENTALE* (L.) Roem. & Schult. Poaceae.

251378. Col. No. K750. Four miles south of Marja, Afghanistan. Plants to six inches high.

251379. Col. No. K1552. Sixty miles east of Tabriz, road to Ardebil, via Sarab. Plants to eight inches high.

251380. *ALOPECURUS ARUNDINACEUS* Poir. Poaceae.

Foxtail.

Col. No. K1620. Mount Savalan slope, 15 miles south of Lari.

251381. *BROMUS SYRIACUS* Boiss. & Bal. Poaceae.

Col. No. K1619. Mount Savalan slope, 14 miles south of Lari.

251382. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

Col. No. K1650. North boundary Golmacon. Plant to 24 inches high.

251383. *FESTUCA ARUNDINACEA* Schreb. Poaceae.

Tall fescue.

Col. No. K1522. Thirty-four miles west of Tabriz.

251384 and 251385. *FESTUCA OVINA* L.

Sheep fescue.

251384. Col. No. K1627. Hot springs north side of Mount Savalan, east of Tabriz. Plant to 15 inches high; leaves fine, abundant at base.

251385. Col. No. K1629. Hot springs north side of Mount Savalan, east of Tabriz.

251386. *FESTUCA* sp.

Col. No. K1614. Mount Savalan slope. Fourteen miles south of Lari.

251387. *ELYMUS CRINITUS* Schreb. Poaceae.

Col. No. K1515. Thirty miles northwest of Tabriz. Plant to 10 inches high.

251388 and 251389. *PANICUM MILIACEUM* L. Poaceae.

Proso millet.

251388. Col. No. K1570. Ardebil bazaar.

251389. Col. No. K1605. Forty-four miles south of Moghan. Plants to three feet high.

251390. *PHALARIS CANARIENSIS* L. Poaceae.

Canarygrass.

Col. No. K1544. Tabriz bazaar.

251391. *PHLEUM* sp. Poaceae.

Col. No. K1585. Twenty-five miles northwest of Ardebil.

251392 and 251393. *POA BULBOSA* L. Poaceae.

Bulbous bluegrass.

Hot springs north side of Mount Savalan, east of Tabriz.

251392. Col. No. K1626. Plant to 12 inches high.

251393. Col. No. K1630.

251394. *POA PRATENSIS* L.

Kentucky bluegrass.

Col. No. K1622. Mount Savalan slope. Fifteen miles south of Lari. Plants to 24 inches high.

251395. *SETARIA ITALICA* (L.) Beauv. Poaceae.

Foxtail millet.

Col. No. K1606. Forty-four miles south of Moghan. Plants to three feet high.

251396. *TRIFOLIUM RESUPINATUM* L. Fabaceae.

Persian clover.

Col. No. K1546. 'Shabdar'. Tabriz bazaar.

251397. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
Col. No. K1576. Ardebil bazaar.
251398. *CARTHAMUS* (hybrid). Asteraceae.
Col. No. K1439. Southeast of Isfahan. Probably hybrid; strongly spined; flowers yellow.
251399. *HIBISCUS* sp. Malvaceae.
Col. No. K1365. Experiment Farm, Agriculture Department, Isfahan.
251400. *LOTUS ANGUSTISSIMUS* L. Fabaceae.
Col. No. K1687. Eight miles west of Meshed. Foliage green; flowers yellow.
251401. *MEDICAGO LUPULINA* L. Fabaceae. Black medic.
Col. No. K1690. Eight miles west of Meshed.
251402. *MEDICAGO SATIVA* L. Alfalfa.
Col. No. K1444. 'Yonjeh'. Isfahan bazaar.
- 251403 to 251406. *PANICUM MILIACEUM* L. Poaceae. Proso millet.
'Arzan'. Isfahan bazaar.
251403. Col. No. K1392. Grade 1.
251404. Col. No. K1393. Grade 2.
251405. Col. No. K1394.
251406. Col. No. K1447.
251407. *POA TRIVIALIS* L. Poaceae. Roughstalk bluegrass.
Col. No. K1686. West of Meshed. Plant to 24 inches high.
251408. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. Strawberry clover.
Col. No. K1681. One mile west of Meshed.
- 251409 to 251411. *TRIFOLIUM RESUPINATUM* L. Persian clover.
251409. Col. No. K1435. Near the Zayandeh River six miles southeast of Isfahan.
251410. Col. No. K1445. 'Yakchin Shabdar'. Isfahan bazaar.
251411. Col. No. K1446. 'Haftchin Shabdar'. Isfahan bazaar.
251412. *TRIGONELLA NOEANA* Boiss. Fabaceae.
Col. No. K1415. 'Yonjeh'. Isfahan bazaar.
251413. *VICIA ERVILLA* (L.) Willd. Fabaceae. Bittervetch.
Col. No. K1451. 'Sangak'. Isfahan bazaar.
251414. *VICIA SATIVA* L. Common vetch.
Col. No. K1423. 'Gargru'. Isfahan bazaar.
- 251415 to 251433.**
- From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 26, 1958.
251415. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.
Col. No. 17403. Thirty km. east of Rijeka. Elevation 1,000 meters. Slender perennial with leafy culms to 1.5 meters high.
251416. *BRACHYPODIUM* sp. Poaceae.
Col. No. 17399. Rocky slope, Stubiza, between Zagreb and Rijeka, Croatia. Elevation 500 meters. Leafy perennial.
251417. *BRACHYPODIUM* sp.
Col. No. 17404. Rocky bank, 30 km. east of Rijeka. Elevation 1,000 meters. Leafy perennial.

251418. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
Col. No. 17406. Thirty km. east of Rijeka. Elevation 1,000 meters.
251419. *CALAMAGROSTIS ARUNDINACEA* (L.) Roth. Poaceae. Reedgrass.
Col. No. 17410. Thirty km. east of Rijeka. Elevation 1,000 meters. Hand-some bunchgrass; leaves to five dm. long.
251420. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.
Col. No. 17405. Thirty km. east of Rijeka. Elevation 1,000 meters.
251421. *FESTUCA* sp.
Col. No. 17413. Twenty-four km. east of Rijeka. Elevation 1,000 meters. Leaves narrow, long.
251422. *LOTUS CORNICULATUS* var. *CILIATUS* (Tenore) C. Koch. Fabaceae. Trefoil.
Col. No. 17397. Zagreb road, 40 km. north of Belgrade, Serbia. Leafy perennial.
251423. *LOTUS CORNICULATUS* L. Trefoil.
Col. No. 17400. Poor limestone soil, Stubiza, between Zagreb and Rijeka, Croatia. Elevation 500 meters. Plant depauperate.
251424. *LOTUS CORNICULATUS* var. *CILIATUS* (Tenore) C. Koch. Trefoil.
Col. No. 17412. Twenty-four km. east of Rijeka. Elevation 1,000 meters. Plant depauperate; seed pods large.
251425. *MELILOTUS OFFICINALIS* (L.) Lam. Fabaceae. Yellow sweetclover.
Col. No. 17411. Thirty km. east of Rijeka. Elevation 1,000 meters.
251426. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
Col. No. 17396. Zagreb road, 40 km. west of Belgrade.
- 251427 and 251428. *PHLEUM PRATENSE* L. Poaceae. Timothy.
251427. Col. No. 17401. Eighty km. east of Rijeka, Croatia. Elevation 540 meters.
251428. Col. No. 17408. Thirty km. east of Rijeka. Elevation 1,000 meters.
251429. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
Col. No. 17409. Thirty km. east of Rijeka. Elevation 1,000 meters. Plant stoloniferous.
251430. *SORGHUM VIRGATUM* (Hack.) Stapf. Poaceae. Tunisgrass.
Col. No. 17398. Forty km. west of Beograd, Zagreb road, Serbia. Apparently spontaneous.
251431. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
Col. No. 17415. Thirty-two km. north of Rijeka. Elevation 500 meters.
251432. *TRIFOLIUM REPENS* L. Whiteclover.
Col. No. 17402. Eighty km. east of Rijeka, Croatia. Elevation 520 meters.
251433. *TRIFOLIUM OCHROLEUCON* Huds.
Col. No. 17414. Thirty-two km. north of Rijeka. Perennial with leafy rosette.
251434. *PHALARIS* × *DAVIESII* S. T. Blake. Poaceae. Canarygrass.
From Australia. Seed presented by the Commonwealth Scientific and Industrial Research Organization, Brisbane. Received Sept. 29, 1958.
- Fertile allopolyploids with 56 and 42 somatic chromosomes respectively were produced from the sterile F_1 hybrid with colchicine. Spontaneous allopolyploidy occurred in *P. tuberosa* × *P. minor*. A quick growing perennial grass, adapted to short growing seasons, with well marked morphological characters. Volunteers freely and behaves like a naturally occurring species when cultivated.
- Full data is in the Proceedings of the Royal Society of Queensland 67:27-28, 1956.

**251435 to 251442. CHRYSANTHEMUM CINERARIAEFOLIUM (Trevir.)
Vis. Asteraceae. Pyrethrum.**

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 29, 1958.

Dubrovnik Agriculture Station, Dalmatia. Former sources indicated.

251435. Col. No. 17340. C51 from Kenya, Agriculture Experimental Station, Molo, Kenya. A high toxicity selection, 2.2 to 2.5% pyrethrums.

251436. Col. No. 17341. K38 from Kenya.

251437. Col. No. 17342. SN, a variety reported to have low toxicity.

251438. Col. No. 17343. D6, a variety reported to have low toxicity.

251439. Col. No. 17344. K1, selection from Kenya $\times$ local strain; toxicity good.

251440. Col. No. 17345. K2, selection from Kenya $\times$ local strain.

251441. Col. No. 17346. K3, selection from Kenya $\times$ local strain; toxicity reported good.

251442. Col. No. 17347. C43, selection from Kenya $\times$ local strain.

251443 to 251484.

From Turkey. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 29, 1958.

251443. AGROPYRON ELONGATUM (Host) Beauv. Poaceae.

Col. No. K1942. Nineteen miles west of Istanbul. Plant to 36 inches high.

251444. BOTHRIOCHLOA ISCHAEMUM (L.) Keng Poaceae.
Kings' Ranch bluestem.

Col. No. K1938. Nineteen miles west of Istanbul. Plants to 18 inches high.

251445. BRACHYPODIUM sp. Poaceae.

Col. No. K1941. Nineteen miles west of Istanbul. Plant to 20 inches high.

251446. CANNABIS SATIVA L. Moraceae. **Hemp.**

Col. No. K1915. Istanbul bazaar.

251447 to 251453. CARTHAMUS DENTATUS Vahl Asteraceae.

251447. Col. No. K1898. Ten miles west of Bursa. Plant to 18 inches high.

251448. Col. No. K1906. Five miles south of Balikiser. Plant to 36 inches high.

251449. Col. No. K1909. Ten miles south of Balikiser.

251450. Col. No. K1911. Five miles southwest of Sındirgi.

251451. Col. No. K1912. Fifteen miles southwest of Sındirgi.

251452. Col. No. K1935. Sixteen miles west of Istanbul.

251453. Col. No. K1945. Thirty-five miles west of Istanbul.

251454. CARTHAMUS GLAUCUS Bleb. Asteraceae.

Col. No. K1900. Four miles west of Yemmenderes. Plant to 30 inches high.

251455 to 251461. CARTHAMUS LANATUS L.

251455. Col. No. K1897. Ten miles west of Bursa. Plant to three feet high; flowers lemon-yellow.

251456. Col. No. K1904. Eight miles southwest of Mustafa Kemal Pasha.

251457. Col. No. K1910. Ten miles south of Balikesir.

251458. Col. No. K1922. Western outskirts of Istanbul. Plant to 36 inches high.

251459. Col. No. K1923. Western outskirts of Istanbul.

251460. Col. No. K1934. Sixteen miles west of Istanbul.
251461. Col. No. K1936. Seventeen miles west of Istanbul.
- Plants to 18 inches high.
251462. *CARTHAMUS TINCTORIUS* L. **Safflower.**
- Col. No. K1907. Twelve miles south of Balikesir. Plant to 24 inches high; flowers red, orange and yellow.
251463. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**
- Col. No. K1940. Nineteen miles west of Istanbul. Plants to 14 inches high.
- 251464 to 251466. *HELIANTHUS ANNUS* L. Asteraceae. **Common sunflower.**
251464. Col. No. K1899. Eighteen miles west of Bursa. Plants to five feet high; heads to 12 inches in diameter.
251465. Col. No. K1918. Istanbul bazaar.
251466. Col. No. K1944. Sixteen miles west of Istanbul. Plants to six feet high; heads to 10 inches in diameter.
- 251467 and 251468. *HORDEUM VULGARE* L. Poaceae. **Common barley.**
251467. Col. No. K1919. Istanbul bazaar.
251468. Col. No. K1920. Istanbul bazaar.
- 251469 to 251472. *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**
251469. Col. No. K1902. Six miles southwest of Mustafa Kemal Pasha.
251470. Col. No. K1908. Ten miles south of Balikesir. Plant to 15 inches high.
251471. Col. No. K1916. Istanbul bazaar.
251472. Col. No. K1943. Sixteen miles west of Istanbul. Plants to 15 inches high.
251473. *LOLIUM PERENNE* L. Poaceae. **Perennial ryegrass.**
- Col. No. K1933. Fifteen miles west of Istanbul.
251474. *MEDICAGO ORBICULARIS* (L.) All. Fabaceae. **Buttonclover.**
- Col. No. K1928. Six miles west of Istanbul.
251475. *PHALARIS CANARIENSIS* L. Poaceae. **Canarygrass.**
- Col. No. K1914. Istanbul bazaar.
251476. *PHLEUM SUBULATUM* (Savi) Aschers. & Graebn. Poaceae. **Timothy.**
- Col. No. K1932. Fifteen miles west of Istanbul. Plants to 12 inches high.
- 251477 and 251478. *HAYNALDIA VILLOSA* (L.) Schur. Poaceae.
251477. Col. No. K1921. Western outskirts of Istanbul. Plants to 30 inches high.
251478. Col. No. K1931. Fifteen miles west of Istanbul. Plants to 24 inches high.
251479. *TRIFOLIUM ANGUSTIFOLIUM* L. Fabaceae. **Clover.**
- Col. No. K1924. Six miles west of Istanbul. Plants to eight inches high.
251480. *TRIFOLIUM CAMPESTRE* Schreb. **Large hop clover.**
- Col. No. K1925. Six miles west of Istanbul. Plant to eight inches high.
- 251481 and 251482. *TRIFOLIUM FRAGIFERUM* L. **Strawberry clover.**
251481. Col. No. K1930. Six miles west of Istanbul. Plant to eight inches high.
251482. Col. No. K1947. Thirty-seven miles west of Istanbul.
251483. *TRIFOLIUM LAPPACEUM* L. **Lappa clover.**
- Col. No. K1929. Six miles west of Istanbul. Plants to eight inches high.
251484. *TRIFOLIUM BIVONAE* Guss.
- Col. No. K1926. Six miles west of Istanbul. Plants to six inches high.

251485 to 251488.

From Great Britain. Plants presented by the Department of Botany, Manchester University, Manchester, England. Received Sept. 29, 1958.

251485. *FRAGARIA MOSCHATA* Duchesne Rosaceae. **Hautbois strawberry.**
Hexaploid.

251486. *FRAGARIA ORIENTALIS* A. Losinsk.
Tetraploid.

251487. *FRAGARIA VESCA* L. **European strawberry.**
Diploid. 'Belle de Meaux'.

251488. *FRAGARIA* (hybrid). **Strawberry.**
'Utsumi Zarai'.

251489 to 251523.

From Iran and Turkey. Seeds collected by P. F. Knowles, Collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 30, 1958.

Collected July 12, 1958, in Iran unless otherwise noted.

251489 to 251493. *ERUCA SATIVA* Mill. Brassicaceae. **Rocket-salad.**

251489 to 251492. Experimental Farm, Agriculture Department, Isfahan.

251489. Col. No. K1361. 'Kaykoj' or 'Mandab'.

251490. Col. No. K1362.

251491. Col. No. K1363.

251492. Col. No. K1364.

251493. Col. No. K1376. 'Kaykoj' or 'Mandab'.

251494. *TRIFOLIUM RESUPINATUM* L. Fabaceae. **Persian clover.**
Col. No. K1382. 'Shabdar'.

251495 to 251499. *ERUCA SATIVA* Mill. Brassicaceae. **Rocket-salad.**

251495. Col. No. K1383. 'Shabdar'.

251496. Col. No. K1459. 'Kaykoj'.

251497. Col. No. K1460. 'Kaykoj'.

251498. Col. No. K1461. 'Kaykoj'.

251499. Col. No. K1462. 'Kaykoj'.

251500. *HIBISCUS ESCULENTUS* L. Malvaceae. **Okra.**
Col. No. K1421. 'Bamyeh'. Isfahan bazaar.

251501. *LACTUCA SATIVA* L. Cichoriaceae. **Garden lettuce.**
Col. No. K1420. 'Kahu'. Isfahan bazaar.

251502. *PETROSELINUM CRISPUM* (Mill.) Nym. Apiaceae. **Parsley.**
Col. No. K1402. 'Jaffary'. Isfahan bazaar.

251503. *PORTULACA OLERACEA* L. Portulacaceae. **Purslane.**
Col. No. K1426. 'Khorfe'. Isfahan bazaar. Seed ground, roasted and administered with sugar for stomach ailments.

251504 and 251505. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**
251504. Col. No. K1399. 'Torobche'. Isfahan bazaar.

251505. Col. No. K1400. 'Torob'. Isfahan bazaar.

251506. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**
Col. No. K1409. 'Badanjan'. Isfahan bazaar.

251507. *SPINACIA OLERACEA* L. Chenopodiaceae. **Common spinach.**
Col. No. K1397. 'Esfanej'. Isfahan bazaar.

- 251508 and 251509. *ALLIUM CEPA* L. Liliaceae. Onion.
Isfahan bazaar.
251508. Col. No. K1404.
251509. Col. No. K1417.
251510. *ALLIUM* sp.
Col. No. K1903. Thirteen km. southwest of Mustafa Kemal Pasha, Turkey.
- 251511 and 251512. *BETA VULGARIS* L. Chenopodiaceae. Sugar beet.
Isfahan bazaar.
251511. Col. No. K1405. 'Chogundar'.
251512. Col. No. K1453. 'Shogondak'.
251513. *BRASSICA RAPA* L. Brassicaceae. Turnip.
Col. No. K1450. 'Shaljam'. Isfahan bazaar.
251514. *CICER ARIETINUM* L. Fabaceae. Chickpea.
Col. No. K1448. 'Nokhodsiah'. Isfahan bazaar.
251515. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae. Watermelon.
Col. No. K1424. 'Tukhm-Handayand'. Isfahan bazaar.
- 251516 to 251518. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.
Isfahan bazaar.
251516. Col. No. K1422. 'Garmak'.
251517. Col. No. K1454. 'Semsury'.
251518. Col. No. K1418. 'Khiair Chanber'.
- 251519 and 251520. *CUCUMIS SATIVUS* L. Cucumber.
Col. No. K1419. 'Khiair'.
251520. Col. No. K1442. 'Khiair'.
251521. *CUCUMIS MELO* L. Muskmelon.
Col. No. K1449. 'Khair Chamber'.
251522. *DAUCUS CAROTA* L. Apiaceae. Carrot.
Col. No. K1416. 'Havij' or 'Zardak'. Isfahan bazaar.
251523. *DESCURAINIA SOPHIA* (L.) Prantl Brassicaceae.
Col. No. K1411. 'Khakshir'. Isfahan bazaar.
- 251524 to 251533.
- From Yugoslavia. Seeds presented by the Ljubljana University, Ljubljana.
Received Oct. 1, 1958.
251524. *AGROSTIS ALBA* L. Poaceae. Redtop.
VIII-10.
251525. *ALOPECURUS PRATENSIS* L. Poaceae. Meadow foxtail.
VI-16.
251526. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.
VI-20.
251527. *BROMUS INERMIS* Leyss. Poaceae. Smooth brome.
VIII-5.
251528. *DACTYLIS GLOMERATA* L. Poaceae. Orchard grass.
VI-18.
251529. *LOTUS PEDUNCULATUS* Cav. Fabaceae. Big trefoil.
12.VIII.

251530. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

VIII-7.

251531. *PHALARIS ARUNDINACEA* L. Poaceae.

Reed canarygrass.

19.VII.

251532. *PHLEUM PRATENSE* L. Poaceae.

Timothy.

VIII-10.

251533. *TRisetum FLAVESCENS* (L.) Beauv. Poaceae.

VI-16.

251534. *CAMELLIA GRANTHAMIANA* Sealy. Theaceae.

From Hong Kong. Seeds presented by the Gardens Division, Urban Services Department, Victoria. Numbered Oct. 1, 1958.

251535 to 251553.

From Yugoslavia. Seeds presented by the Agricultural Research Institute, Novi Sad. Received Oct. 1, 1958.

251535 and 251536. *AVENA SATIVA* L. Poaceae.

Common oats.

251535. No. 2. Winter type.

251536. No. 6. Winter type.

251537 and 251538. *HORDEUM VULGARE* L. Poaceae.

Common barley.

251537. No. 7; Four row 2551. Selected from natural population in the Soviet Union.

251538. No. 8; Two row 1. Selected from natural population in the Soviet Union.

251539. *SECALE CEREALE* L. Poaceae.

Rye.

No. 9. Winter type.

251540 to 251553. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

251540. No. 1. 9083.

251541. No. 2. 905/8. ('Bacvanka' × 'Krizevacka 65') × ('Krizevacka 10' × 'Krizevacka 9'). Suitable for the plains of Yugoslavia.

251542. No. 3. 'Bankut 1205'. ('Marquis' × 'Tisa'). 'Marquis' was selected for winter conditions in Hungary before the cross was made. Ears white, bearded; grain red. Grown on the Pannonian plains, Yugoslavia.

251543. No. 4. 'Red Wheat of Ruma'. Selected from population of 'Banat'. Ears red, bearded; grain red. Grown in the hilly part of Yugoslavia.

251544. No. 5. 'Krushevatz 22'. Selected from population of 'Banat'. Ears white, bearded, without hairs; grain red. Grown in the hilly parts of Yugoslavia.

251545. No. 6. U-1.

251550. No. 5738.

251546. No. 1993.

251551. No. 2827.

251547. No. 5055.

251552. No. 5829.

251548. No. 5200.

251553. No. 5830.

251549. No. 5339.

251554 to 251565.

From Yugoslavia. Seeds presented by the Agrariacoop Seed House, Zagreb. Received Oct. 1, 1958.

251554. *CANNABIS SATIVA* L. Moraceae.

Hemp.

251555 and 251556. *LOLIUM MULTIFLORUM* Lam. Poaceae.

Italian ryegrass.

251555. No. 1.

251556. No. 19365.

251557. *LOLIUM PERENNE* L. Perennial ryegrass.

No. 19722.

251558. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.

No. 19327.

251559. *LUPINUS ALBUS* L. Fabaceae. White lupine.

251560 and 251561. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

251560. No. 1.

251561. No. 19702. Mediterranean type.

251562 and 251563. *TRIFOLIUM INCARNATUM* L. Fabaceae. Crimson clover.

251562. No. 19367.

251563. Commercial.

251564 and 251565. *TRIFOLIUM PRATENSE* L. Red clover.

251564. No. 19660.

251565. Commercial.

251566. *HEVEA BRASILIENSIS* (A. Juss.) Muell. Euphorbiaceae.

Para rubber tree.

From the British West Indies. Seeds collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 2, 1958.

Col. No. 101. Botanical Park, Port of Spain, Trinidad. From one of the original Wickham trees.

251567. *MALUS* sp. Malaceae.

From South Australia. Scions presented by Ken Caldicott, Lenswood. Received Oct. 2, 1958.

A sport of 'Statesman'. Tree strong grower when young; fruits bright red without stripes.

251568 to 251600.

From Yugoslavia. Seeds presented by the Agricultural Institute, Banja Luka, Bosnia. Received Oct. 2, 1958.

251568 to 251570. *AGROSTIS ALBA* L. Poaceae. Redtop.

251568. No. 1. P.P.

251569. No. 2. R-4 But.

251570. No. 3. R-47.

251571 to 251574. *ARRHENATHERUM ELATIUS* (L.) Presl. Poaceae. Tall oatgrass.

251571. No. 4. R-II.

251572. No. 5. R-IV.

251573. No. 6. R-3/49.

251574. No. 7. R-14/49.

251575 to 251582. *AVENA SATIVA* L. Poaceae. Common oats.

251575 to 251578. Winter types.

251575. 'Banja Luka 20'.

251576. 'Belje-210'.

251577. M-311.

251578. R-129.

792-290-66-19

- 251579 to 251582. Spring types.
251579. 'Domaca Zob'. (Slatine).
251580. 'Von Lochow'.
251581. 286.
251582. 555.
- 251583 and 251584. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
251583. No. 32.
251584. No. 33.
- 251585 and 251586. *GLYCINE MAX* (L.) Merrill Fabaceae. Soybean.
251585. 'Dobrudza'.
251586. 'Zagrebacka Rana'.
- 251587 to 251591. *HOREDUM VULGARE* L. Poaceae. Common barley.
- Winter types.
251587. 'Banja Luka 10'.
251588. 'Belje-129'.
251589. 'Belje-151'.
251590. 'Novi Sad-4082'.
251591. 'Novi Sad-4084'.
- 251592 to 251596. *PHLEUM PRATENSE* L. Poaceae. Timothy.
251592. No. 40. R-III/11.
251593. No. 42. R-3/4.
251594. No. 43. R-3/47.
251595. No. 44. R-3/47c.
251596. No. 45. R-11.
251597. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
- No. 46. R50/48.
251598. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.
- No. 78.
- 251599 and 251600. *TRisetum FLAVESCENS* (L.) Beauv. Poaceae.
251599. No. 8. R-5/47.
251600. No. 9. R-11/49.
- 251601. *COLEUS BLUMEI* var. *VERSCHAFFELTII* Lem. Menthaceae.**
- From Great Britain. Plants purchased from Pedley & Sons, Kirkham, Preston, Lancashire, England. Received August, 1958. Numbered January, 1959.
- 'Scarlet Ribbon'. Leaves long, pointed, red center surrounded with brown, edged dark green.
- 251602. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae.**
- Sweetpotato.**
- From Puerto Rico. Roots presented by the Agricultural Experiment Station, Seed Farms Division, Rio Piedras. Received Oct. 2, 1958.
- 'Blanquita'.
- 251603 to 251612.**
- From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received Oct. 3, 1958.
251603. *MOMORDICA BALSAMINA* L. Cucurbitaceae. Balsam-apple.
- 'I.W. 841'.

251604. *MOMORDICA CHARANTIA* L. Balsam-pear.
'I.C. 1291'.
- 251605 to 251612. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. Berseem clover.
251605. C 9.
251606. C 10.
251607. C 11.
251608. E. C. 1009.
251609. E. C. 2366.
251610. E. C. 4910.
251611. I. C. 1714.
251612. Local.
- 251613 to 251619.**
- From Yugoslavia. Seeds presented by Seed Enterprise, Belgrade. Received Oct. 3, 1958.
251613. *BRASSICA HIRTA* Moench Brassicaceae. White mustard.
No. 1170.
251614. *BRASSICA NAPUS* L. Rape.
No. 1200.
251615. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.
No. 1060.
251616. *PRUNUS CERASIFERA* Ehrh. Myrobalan plum.
No. 1478.
251617. *PRUNUS MAHALEB* L. Mahaleb cherry.
No. 1470.
251618. *PRUNUS PERSICA* (L.) Batsch Peach.
No. 1450. Wild.
251619. *PYRUS COMMUNIS* L. Malaceae. Common pear.
No. 1456.
- 251620 and 251621. *PHASEOLUS VULGARIS* L. Fabaceae.**
Common bean.
- From Southern Rhodesia. Seeds presented by the United States Consulate General, Salisbury. Received Oct. 3, 1958.
251620. Bush bean, resistant to halo blight. ('Full Measure' × 'U.S. No. 5 Refugee') × ('Black Wonder' × unknown). Seeds brown.
251621. Bush bean; seed coat color recessive. Resistant to halo blight.
- 251622 to 251626.**
- From Yugoslavia. Seeds presented by the Agrariacoop Seed House, Zagreb. Received Oct. 3, 1958.
251622. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.
'Kolinkova'.
251623. *LACTUCA SATIVA* L. Cichoriaceae. Garden lettuce.
'May Queen'.
251624. *PHASEOLUS VULGARIS* L. Fabaceae. Common bean.
'Soxa'.
251625. *PISUM SATIVUM* L. Fabaceae. Garden pea.
'Wonder of America'.
251626. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. Tomato.

251627 to 251644.

From Ethiopia. Seeds collected and presented by H. F. Murphy, Oklahoma Agricultural Experiment Station, Stillwater, Oklahoma. Received Oct. 3, 1958.

251627. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. **Ragi.**

No. 7.

251628. *HORDEUM* sp. Poaceae.

No. 5.

251629. *INDIGOFERA* sp. Fabaceae.

No. 6.

251630. *LOTUS CORNICULATUS* var. *CILIATUS* (Tenore) C. Koch Fabaceae. **Trefoil.**

No. 10.

251631. *MEDICAGO ARABICA* (L.) All. Fabaceae. **Spotted burclover.**

No. 3.

251632 and 251633. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinnars **California burclover.**

251632. No. 1.

251633. No. 2.

251634. *MELILOTUS SUAVEOLENS* Ladeb. Fabaceae. **Sweetclover.**

No. 17.

251635. *NIGELLA SATIVA* L. Ranunculaceae. **Black cumin.**

No. 9.

251636. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

No. 11.

251637 and 251638. *SORGHUM BICOLOR* (L.) Moench. Poaceae.

251637. No. 13.

251638. No. 14. Eth. Sel. No. 3.

251639. *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover**

No. 18.

251640. *TRIGONELLA FOENUM-GRAECUM* L. Fabaceae. **Fenugreek.**

No. 4.

251641 and 251642. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

251641.No. 15.

251642. No. 16.

251643. *VICIA SATIVA* L. Fabaceae. **Common vetch.**

No. 12.

251644. *VIGNA SINENSIS* (Torner) Savi. Fabaceae. **Common cowpea.**

251645 to 251657. *ZEA MAYS* L. Poaceae. **Corn.**

From Yugoslavia. Seeds presented by the Institute for Improvement and Production of Plants, Zemun Polje. Received Oct. 6, 1958.

251645. 'Vukovar Dent'. Osijek.

251646. White corn from the Moravia Valley.

251647. 'Bankuty Bajaha'.

251648. 'Belje Golden Dent'. Danube Valley.

251649. K.S.R.Z.

251650. 'Shid Dent'.

251651. 'White', or 'Savinja'.

251652. 'Novi Sad White Dent'.

251653. 'Maximir Early'.

251654. 'Timok Hard Yellow', or 'Zajecar'.

251655. 'Istra'. Wide grains, 8 row corn (glassy form).

251656. 'Krizevci Croatcorn'.

251657. 'Milicevic Dent'.

251658 and 251659. FRAGARIA ORIENTALIS A. LOS. Rosaceae.

From Germany. Plants presented by the Max-Planck Institute, Vogelsang, Cologne. Received Oct. 6, 1958.

251658. 49, F/281. Female.

251659. 5251/21. Male.

251660 to 251679.

From Yugoslavia. Seeds presented by Seed Enterprise, Belgrade. Received Oct. 7, 1958.

251660. *ALOPECURUS PRATENSIS* L. Poaceae. Meadow foxtail.
No. 1057.

251661. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.
No. 1055.

251662. *CYNOSURUS CRISTATUS* L. Poaceae. Crested dogtail.
No. 1070.

251663. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
No. 1058.

251664. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.
No. 1067.

251665. *FESTUCA RUBRA* L. Red fescue.
No. 1069a.

251666. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
No. 1160.

251667. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.
No. 1053.

251668. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
No. 1004.

251669. *ONOBRYCHIS VICIAEFOLIA* Scop. Fabaceae. Sainfoin.
No. 1010.

251670. *PHLEUM PRATENSE* L. Poaceae. Timothy.
No. 1050.

251671. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
No. 1059.

251672. *SORGHUM TECHNICUM* Batt. & Trab. Poaceae. Broomcorn.
No. 1035.

251673. *TRIFOLIUM HYBRIDUM* L. Fabaceae. Alsike clover.
No. 1021.

251674. *TRIFOLIUM PRATENSE* L. Red clover.
No. 1024.

251675. *TRIFOLIUM REPENS* L. Whiteclover.
No. 1022.
251676. *VICIA PANNONICA* Crantz. Fabaceae. Hungarian vetch.
Winter type.
- 251677 and 251678. *VICIA SATIVA* L. Common vetch.
251677. No. 960. Spring type.
251678. No. 961. Winter type.
251679. *VICIA VILLOSA* Roth. Hairy vetch.
No. 962. Russian type.
- 251680 to 251717.**
- From the Union of Soviet Socialist Republics. Seeds presented by the Agricultural Institute, Novi Sad, Yugoslavia. Received Oct. 7, 1958.
251680. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.
No. 27859. Morshansk. (23.)
- 251681 and 251682. *BROMUS INERMIS* Leyss. Poaceae. Smooth brome grass.
251681. No. 25706. Morshansk.
251682. No. 27852. Penzensk.
251683. *BROMUS RIPARIUS* Rehm.
No. 29819. The Ukraine. Growing wild.
251684. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
No. 22828. Moscow. (222.)
- 251685 and 251686. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.
251685. No. 22827. Leningrad. (804.)
251686. No. 25876. Morshansk. (1304.)
251687. *FESTUCA RUBRA* L. Red fescue.
No. 27854. Collected July, 1947.
- 251688 to 251690. *MEDICAGO FALCATA* L. Fabaceae Yellow-flowered alfalfa.
251688. No. 22056. Wild type.
251689. No. 22382. Maikopskaya.
251690. No. 22506. Near Kuban River.
- 251691 to 251695. *MEDICAGO SATIVA* L. Alfalfa.
251691. No. 21031. Omsk. (8893.)
251692. No. 20888. Kirovsk, Murmansk.
251693. No. 22503. Slavskoye, Kaliningrad.
251694. No. 23426. Kalmanka.
251695. No. 28910. Dhepropetrovck.
251696. *ONOBRYCHIS ARENARIA* DC. Fabaceae.
No. 14377. Near the Psel River. A two cut type.
- 251697 and 251698. *ONOBRYCHIS TRANSCAUCASICA* Grossh.
251697. No. 9696. Caucasus area. A three cut type.
251698. No. 17394. Alaikalak. A two cut type.
- 251699 and 251700. *PHLEUM PRATENSE* L. Poaceae. Timothy.
251699. No. 20257. 'Leningrad 204'.
251700. No. 28054. 'Oseshinsk'.
251701. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
No. 27874. Ex Denmark.

251702 to 251704. *SESAMUM INDICUM* L. Pedaliaceae.

Sesame.

251702. No. 818. D.C.C. 23.

251703. No. 899. 'Kuban 55'.

251704. No. 742. 'Kohditsersky 2058'. Used in confections.

251705. *TRIFOLIUM APERTUM* Bobr. Fabaceae.

No. 27313. Plant annual, erect, usually branching close to the ground; leaves hairy on the upper side, superior leaves minutely dentate; stipules elongate, sublinear and acuminate, margins clearly pilose; peduncle appressed after flowering and elongate; petals 1.5-4 cm. long and 0.5-1.5 cm. wide; corolla yellow, tube sparingly pilose; pod one-seeded, slightly curved, 1 4-15 mm. long, coriaceous or membranous. Flowers in June and fruits in July. Habitat: along edge of woods and in thickets, Caucasus. The wild form resembles *T. alexandrinum*.

251706 and 251717. *TRIFOLIUM PRATENSE* L.

Red clover.

251706. No. 21987. From Nosov.

251707. No. 24631. 'Foliosum'. Central U.S.S.R.

251708. No. 24653. 'Foliosum'. Konipsev.

251709. No. 25748. Chuisky, Kazakh.

251710. No. 26047. 'Foliosum'. Siverski.

251711. No. 26774. Gribonovsky.

251712. No. 27610. A two cut type.

251713. No. 27611. 'Foliosum'. Azovka.

251714. No. 27612. Zazer.

251715. No. 27618. Talmagky.

251716. No. 29504. 'Intervallare'. A two cut type.

251717. No. 30121. Local strain.

251718 and 251719.

From Panama. Seeds collected and presented by I. S. Nelson, Southwestern Louisiana Institute, Lafayette, Louisiana. Received Oct. 7, 1958.

251718. *RUBUS* sp. Rosaceae.

No. 45. 'Zarzamora'. Boquete, Panama. Elevation 4,000 feet. Fruits red, 1.5 inches long. Thirty-one almost black fruits on sprig from which seeds were taken. Bears throughout year.

251719. *RUBUS* sp.

No. 48. 'Zarzamora'. Cero Punter, Panama. Elevation 5,000 feet. Semi-trailing, resembling native Louisiana blackberry. Fruits black when ripe.

251720 to 251759.

From Mexico. Tubers collected by J. G. Hawkes, J. P. Hjerting and B. N. Lester, Birmingham University, England, 1958 Plant Collecting Expedition to Mexico and Central America. Received Oct. 7, 1958.

251720. *SOLANUM BRACHISTOTRICHUM* (Bitt.) Rydb. Solanaceae.

Col. No. 1471. Valuarte, 35 km. from Fresnillo, road to Durango, Zacatecas. Elevation 2,150 meters.

251721 and 251722. *SOLANUM BRACHYCARPUM* Correll.

251721. Col. No. 1547. Tranquitas, Nevada de Colima, Jalisco. Elevation 3,200 meters. Flowers violet; berries conico-ovoid; tubers large.

251722. Col. No. 1577. San Juan de los Cumbres, Morelia-Mexico City road, Michoacan. Flowers violet; berries ovate-conical.

251723. *SOLANUM BULBOCASTANUM* Dun.

Col. No. 1565. Cerro Punguato, near Morelia, Michoacan. Elevation 2,300 meters.

251724. SOLANUM CARDIOPHYLLUM Lindl.

Col. No. 1402. San Juan del Rio, Queretaro. Elevation 2,000 meters.

251725. SOLANUM CARDIOPHYLLUM var. EPIRENBURGII (Bitt.) Correll.

Col. No. 1440. Near Dolores Hidalgo, Guanajuato, 40 km. from San Miguel Allende. Elevation 1,850 meters.

251726 to 251730. SOLANUM EHRENBURGII (Bitt.) Rydb.

251726. Col. No. 1458. About 12 km. from Aguas Calientes on the Loreto road. Elevation 1,900 meters.

251727. Col. No. 1459. About 15 km. from Aguas Calientes on the Loreto road. Elevation 1,950 meters.

251728. Col. No. 1462. Eighty km. from Aguas Calientes, Zacatecas road, Zacatecas. Elevation 2,050 meters.

251729. Col. No. 1466. Seven hundred thirty-four km. from Mexico City, Aguas Calientes-Zacatecas road. Elevation 2,200 meters.

251730. Col. No. 1492. Highway 45, 16 km. east of Ecarnacion de Diaz, Lagos de Moreno road, Jalisco. Elevation 2,000 meters.

251731. SOLANUM CARDIOPHYLLUM var. EHRENBURGII (Bitt.) Correll.

Col. No. 1494. Fifteen km. north of Guadalajara, Rio Blanco, Jalisco. Elevation 1,600 meters.

251732 to 251736. SOLANUM MICHOCANUM (Bitt.) Rydb.

251732. Col. No. 1514. Fifty-one km. from Carapan, Uruapan road, Michoacan. Elevation 2,350 meters.

251733. Col. No. 1517. Fifty-one km. from Carapan, Uruapan road, Michoacan. Elevation 2,400 meters.

251734. Col. No. 1522. Granja Villa Imelda, forty-three km. from Carapan, Michoacan. Elevation 2,300 meters.

251735. Col. No. 1525. Two km. south of Carapan, Corup road, Michoacan. Elevation 2,300 meters.

251736. Col. No. 1541. Northeast slope of Nevada de Colima, Los Alpes, Jalisco. Elevation 2,300 meters.

251737 and 251738. SOLANUM MORELLIFORME Bitter & Muench.

251737. Col. No. 1507. Capacuaro, Sierra de los Tarascos, Michoacan. Elevation 2,250 meters.

251738. Col. No. 1510. Capacuaro, Sierra de los Tarascos, Michoacan. Elevation 2,250 meters.

251739 to 251744. SOLANUM PAPITA Rydb.

251739. Col. No. 1473. El Alamo, 13 km. from Durango border, Zacatecas. Elevation 2,350 meters.

251740. Col. No. 1475. Five km. from Durango Otinapa road. Elevation 2,400 meters.

251741. Col. No. 1476. Five km. from Durango Otinapa road. Elevation 2,400 meters.

251742. Col. No. 1482. Near Hacienda Otinapa, Rancho Alamito, Rio Chico, Durango. Elevation 2,300 meters. Flowers pale mauve; fruits small, white-spotted.

251743. Col. No. 1486. Two km. from Otinapa, Otinapa-Durango road. Elevation 2,220 meters.

251744. Col. No. 1488. Fourteen km. from Durango border, Durango-Zacatecas road, Zacatecas. Elevation 2,250 meters. Flowers pale.

251745. SOLANUM POLYADENIUM Greenm.

Col. No. 1567. Near Morelia, Cerro Punguato, Michoacan. Elevation 2,250 meters. Flowers white; berries striped; tubers produced irregularly, in series along the stolons.

251746 to 251749. SOLANUM POLYTRICHON Rydb.

251746. Col. No. 1461. Eighty km. from Aguas Calientes, Zacatecas road, Zacatecas. Elevation 2,050 meters. Flower color varying from white to light violet.

251747. Col. No. 1465. Seven hundred twenty-six km. from Mexico City, Aguas Calientes-Zacatecas City road, Zacatecas. Elevation 2,200 meters. Flowers pale mauve.

251748. Col. No. 1467. Fifteen km. from Zacatecas City, Durango road, Zacatecas. Elevation 2,350 meters. Flowers white; berries white-dotted.

251749. Col. No. 1468. Fifteen km. from Zacatecas City, Durango City road, Zacatecas. Elevation 2,350 meters. Flowers mauve.

251750 to 251752. SOLANUM SAMBUCINUM Rydb.

251750. Col. No. 1438. Five km. from Dolores Hidalgo, Guanajuato. Elevation 1,800 meters.

251751. Col. No. 1439. San Miguel Allende-Dolores road, Hidalgo, Guanajuato. Elevation 1,800 meters.

251752. Col. No. 1442. Ten km. from Dolores Hidalgo, Guanajuato City road, Guanajuato. Elevation 2,000 meters.

251753 and 251754. SOLANUM STOLONIFERUM Schlecht.

251753. Col. No. 1452. Thirty km. from Dolores Hidalgo, Guanajuato City road, Guanajuato. Elevation 2,250 meters.

251754. Col. No. 1520. Forty-two km. from Carapan, Uruapan road, Michoacan. Elevation 2,300 meters.

251755 to 251758. SOLANUM VERRUCOSUM Schlecht.

251755. Col. No. 1512. Uruapan-Carapan road, above Capacuaro, Michoacan. Elevation 2,250 meters.

251756. Col. No. 1542. Northeast slope of Ilanita de las Tepozas, Jalisco. Elevation 3,100 meters.

251757. Col. No. 1545. Northeast side of Nevado de Colima, near Rancho Juan Martinez, Jalisco. Elevation 3,200 meters.

251758. Col. No. 1546. Northeast side of Nevado de Colima, near Rancho Juan Martinez, Jalisco. Elevation 3,250 meters.

251759. SOLANUM sp.

Col. No. 1443. (No information given.)

251760. MEDICAGO (hybrid). Fabaceae.

From Italy. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 8, 1958.

Col. No. 17573. (*M. falcata* × *M. sativa*). Six miles north of Pietramal, Bologna road. Elevation 3,000 feet. Short perennial; rhizomatous stems and leaves fine; flowers purple, turning yellow and greenish-yellow.

251761 to 251777.

From Great Britain. Cuttings purchased from Hillier & Sons, Winchester, Hants, England. Received Oct. 8, 1958.

251761 to 251763. ILEX AQUIFOLIUM L. Aquifoliaceae.**English holly.**

251761. 'Bicolor'.

251762. 'Chinensis'.

251763. 'Laurifolia Variegata'.

251764. ILEX CORALLINA Franch.**Coral holly.****251765. ILEX DIPYRENA Wall.****Himalaya holly.**

- 251766 and 251767. *ILEX FARGESII* Franch. **Holly.**
 251766. (No name.)
 251767. 'Sclerophylla'.
 251768. *ILEX FRAGILIS* Hook. f. **Holly.**
 251769. *ILEX HOOKERI* King. **Holly.**
 251770. *ILEX INTRICATA* Hook. f. **Nepal holly.**
 251771. *ILEX AQUIFOLIUM* L. **English holly.**
 'Latispina Minor'.
 251772. *ILEX MELANOTRICHIA* Merrill
 251773. *ILEX CASSINE* Walt. **Dahoon.**
 'Rosmarinifolia'.
 251774. *ILEX YUNNANENSIS* Franch. **Holly.**
 251775. *ILEX* (hybrid). **Holly.**
 'N. F. Barnes'.
 251776. *ILEX GEORGEI* Comber **Holly.**
 F 24826.
 251777. *ILEX AQUIFOLIUM* L. **English holly.**
 'Recurva'.
251778. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.
 From the Union of Soviet Socialist Republics. Seeds presented by the Agricultural Attaché, United States Embassy. Moscow. Received Oct. 8, 1958.
251779. TIBOUCHINA PULCHRA Cogn. Melastomataceae.
 From Brazil. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Numbered Oct. 9, 1958.
 Col. No. 19047. Instituto Botanico, Sao Paulo.
251780 to 251786.
 From the Union of Soviet Socialist Republics. Seeds presented by the Agricultural Institute, Novi Sad, Yugoslavia. Received Oct. 9, 1958.
 251780. *BRASSICA HIRTA* Moench *Brassicaceae.* **White mustard.**
 No. 304. Leningrad.
 251781 to 251783. *CICER ARIETINUM* L. *Fabaceae.* **Chickpea.**
 251781. No. 199. Kuba. Seeds black, testa reticulate.
 251782. No. 583. Azerbaijan. Seeds white.
 251783. No. 1168. Hybrid 27.
 251784 to 251786. *LENS CULINARIS* Medic. *Fabaceae.* **Lentil.**
 251784. No. 1893. 'Kolhoz 9'.
 251785. No. 1814. Dnenropetrovsk.
 251786. No. 1815. Krasnograd.
251787. MUSA VENTRICOSUM Welw. Musaceae.
 From the Union of South Africa. Seeds presented by the South Africa Sugar Association Experiment Station, Mount Edgecombe, Natal. Received Oct. 14, 1958.
251788 and 251789. ERUCA SATIVA Mill. Brassicaceae. Rocket-salad.
 From Iran. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 9, 1958.
 251788. Col. No. K1668. 'Mandab'. Meshed bazaar.
 251789. Col. No. K1494. 'Kaykos'. Flaverjan bazaar, 20 km. west of Isfahan.

251790. LACTUCA SATIVA L. Cichoriaceae. Garden lettuce.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 9, 1958.

Macedonia. (No field note.)

251791. CUCURBITA PEPO L. Cucurbitaceae. Pumpkin.

Source unknown. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 10, 1958.

251792 to 251794.

From Brazil. Collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 9, 1958.

251792. THEOBROMA CACAO L. Sterculiaceae. Cacao.

Col. No. 103. Fazenda Catango, near Urucuca, Bahia. Typical 'Comun' or 'Amelonado' cacao but without red pigment in new leaves. Cotyledons are pure white if self-pollinated; may be purple if crossed. Seeds from five trees.

251793. HEVEA BRASILIENSIS (A. JUSS.) Muell.-Arg. Euphorbiaceae. Para rubber tree.

Col. No. 104. 'Seringa'. Near Santarem. (Budsticks.)

251794. THEOBROMA sp.

Col. No. 105. Near Santarem. Wild species. (Budsticks.)

251795 to 251798.

From Italy and Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 9, 1958.

251795. ALLIUM sp. Liliaceae.

Col. No. 17586. Pietramala, Italy. Elevation 3,000 feet.

251796. CITRULLUS VULGARIS Schrad. Cucurbitaceae. Watermelon.

Col. No. 17524. Market, Belgrade, Yugoslavia. Fruit sweet, red-fleshed, small.

251797. FRAGARIA VESCA L. Rosaceae. European strawberry.

Col. No. 17550. Terminillo, Italy. Elevation 5,200 feet. Plants small, growing with wild raspberries.

251798. LACTUCA SALIGNA L. Cichoriaceae.

Col. No. 17564. Consuma, east of Firenze, Italy. Elevation 2,700 feet.

251799. TRIFOLIUM LIGUSTICUM Balb. Fabaceae.

From Portugal. Seeds presented by the Instituto de Botanica, Porto. Received March 4, 1959.
Annual.

251800. SIMMONDSIA CHINENSIS (Link) C. Schneid. Buxaceae. Jojoba.

From the United States. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received October 15, 1958.

Col. No. 16668. Huntington Botanical Garden, Los Angeles, California. Two mature shrubs 20 to 24 years old, leafy, dense, well-pruned, growing together; cultivated from seeds collected by Fritz Berger near Superior, Arizona about 1932; capsules at every other node, 1-seeded; seeds rounder than typical. Shrubs died in 1956.

251801 to 251870.

From Austria and Italy. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received October 10, 1958. From Italy unless otherwise noted.

- 251801 and 251802. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. Tall oatgrass.
 251801. Col. No. 17506. Atter See, Austria. Elevation 1,300 feet
 251802. Col. No. 17531. Terminillo. Elevation 5,200 feet. Tall caney perennial.
251803. *BRACHYPODIUM PINNATUM* (L.) Beauv. Poaceae. Japanese falsebrome.
 Col. No. 17530. 'Frasca'. Terminillo. Elevation 5,200 feet.
251804. *BROMUS ERECTUS* Huds. Poaceae. Meadow brome.
 Col. No. 17528. Ten miles southwest of Rieti. Elevation 1,000 feet. Xerophytic perennial.
251805. *BROMUS SCOPARIUS* L.
 Col. No. 17556. Monte Martani near Spoleto, Italy. Elevation 2,600 feet. Xerophytic, tufted perennial.
251806. *BROMUS ERECTUS* Huds. Meadow brome.
 Col. No. 17583. Pietramala. Elevation 3,000 feet. Drought-resistant perennial.
251807. *CORONILLA* sp. Fabaceae.
 Col. No. 17529. Ten miles southwest of Rieti. Elevation 1,000 feet. Perennial to 12 inches high.
251808. *CORONILLA* sp.
 Col. No. 17546. Terminillo Mountain. Elevation 4,800 feet. Erect perennial to 12 inches high.
251809. *CYNODON DACTYLON* (L.) Pers. Poaceae. Bermudagrass.
 Col. No. 17571. River Arno at Florence. Tall, coarse, forming knee-high cover.
- 251810 to 251812. *CYNOSURUS CRISTATUS* L. Poaceae. Crested dogtail.
 251810. Col. No. 17517. Grassy slope, Eisenerz, Austria. Elevation 1,200 feet. Plants small, tufted.
 251811. Col. No. 17534. Terminillo. Elevation 5,200 feet. Small tufted perennial.
 251812. Col. No. 17551. Monte Martani near Spoleto. Elevation 2,600 feet. Xerophytic dwarf grass in over-grazed pasture.
- 251813 to 251819. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
 251813. Col. No. 17513. Near Eisenerz, Austria. Elevation 1,200 feet. Selected from several plants with heavy foliage.
 251814. Col. No. 17527. Arid slope ten miles southwest of Rieti. Plant xerophytic, small, tufted.
 251815. Col. No. 17532. Terminillo. Elevation 5,200 feet. Plant with many narrow leaves.
 251816. Col. No. 17548. Terminillo. Elevation 4,800 feet. Plants stout, leafy; culms long.
 251817. Col. No. 17557. Seeds from two xerophytic, short-leaved, vigorous, heavy-seeding plants.
 251818. Col. No. 17567. River Arno at Florence. Plants rank, leafy.
 251819. Col. No. 17577. Pietramala, Florence to Bologna. Elevation 2,800 feet. Plants narrow-leaved.
251820. *DORYCNium PENTAPHYLLUM* Scop. Fabaceae.
 Col. No. 17582. Pietramala. Elevation 3,000 feet. Drought resistant. Low perennial.
251821. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.
 Col. No. 17514. Near Eisenerz, Austria. Elevation 4,000 feet.

- 251822 and 251823. *FESTUCA ARUNDINACEA* Schreb. Tall fescue.
 251822. Col. No. 17565. River Arno, Firenzi. Plants vigorous.
 251823. Col. No. 17581. Pietramala, Florence to Bologna. Elevation 3,000 feet. Plant drought tolerant.
251824. *FESTUCA RUBRA* L. Red fescue.
 Col. No. 17549. Terminillo. Elevation 5,400 feet. Long-leaved perennial.
251825. *GALEGA OFFICINALIS* L. Fabaceae. Common goatsrue.
 Col. No. 17561. East of Florence. Elevation 2,700 feet. Low perennial with two to three stems, to two feet high.
251826. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.
 Col. No. 17502. Atter See, Austria. Elevation 1,300 feet. Plant vigorous; leaves long.
- 251827 and 251828. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.
 251827. Col. No. 17540. Terminillo. Elevation 5,200 feet.
 251828. Col. No. 17576. Pietramala, Florence to Bologna. Elevation 3,000 feet.
251829. *LOTUS PEDUNCULATUS* Cav. Big trefoil.
 Col. No. 17509. Liedzen, Austria. Elevation 2,000 feet. Plants caespitose, to 16 inches high; stems slender, leafy; seeds late, indeterminate lightly.
- 251830 and 251831. *MEDICAGO FALCATA* L. Fabaceae. Yellow-flowered alfalfa.
 251830. Col. No. 17495. Riedersburg, Vienna, Austria.
 251831. Col. No. 17572. Seven miles north of Pietramala, road to Bologna. Elevation 3,000 feet.
- 251832 to 251834. *MEDICAGO LUPULINA* L. Black medic.
 251832. Col. No. 17510. Eisenerz, Austria. Elevation 4,000 feet. Plants have long, strong-trailing stems.
 251833. Col. No. 17563. (No field note.)
 251834. Col. No. 17584. Pietramala. Elevation 3,000 feet. Plants low, prostrate.
- 251835 to 251837. *MEDICAGO SATIVA* L. Alfalfa.
 251835. Col. No. 17569. River Arno, Florence. Spontaneous fine-stemmed plants.
 251836. Col. No. 17574. Seven miles north of Pietramala, Bologna road. Elevation 3,000 feet. Spontaneous.
 251837. Col. No. 17575. Seven miles north of Pietramala. Elevation 2,800 feet. Cultivated for hay.
251838. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.
 Col. No. 17507. Liedzen, Austria. Elevation 2,000 feet.
251839. *MILIUM EFFUSUM* L. Poaceae. Milletgrass.
 Col. No. 17538. Terminillo. Elevation 5,000 feet. Leafy perennial.
251840. *ONOBRYCHIS VICIAEFOLIA* Scop. Fabaceae. Sainfoin.
 Col. No. 17585. On rocky slope, Pietramala. Elevation 3,000 feet.
- 251841 and 251842. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
 251841. Col. No. 17520. Kafenberg, Austria. Elevation 1,600 feet.
 251842. Col. No. 17521. Kafenberg, Austria. Elevation 1,600 feet.
251843. *PHALARIS AQUATICA* L. Large canarygrass.
 Col. No. 17590. Seven to ten miles north of Civitavecchia. Large thriving clumps.

251844. *PHLEUM ALPINUM* L. Poaceae. **Alpine timothy.**
Col. No. 17537. Terminillo. Elevation 5,300 feet. Small tufted perennial.
251845. *PHLEUM MICHELII* All. **Timothy.**
Col. No. 17545. Rocky slope, Terminillo. Elevation 4,800 feet. Small tufted perennial.
251846. *PHLEUM PRATENSE* L. **Timothy.**
Col. No. 17559. Spedaletto Consuma, east of Florence. Elevation 2,700 feet.
- 251847 and 251848. *SANGUISORBA MINOR* Scop. Rosaceae. **Small burnet.**
251847. Col. No. 17553. Monte Martani near Spoleto. Elevation 2,600 feet. Perennial with thick, depressed rosette of leaves.
251848. Col. No. 17554. Monte Martani near Spoleto. Elevation 2,600 feet. Taller species than P.I. 251847; leaves longer, more erect.
- 251849 and 251850. *TRIFOLIUM FRAGIFERUM* L. Fabaceae. **Strawberry clover.**
251849. Col. No. 17568. River Arno, Florence. Small spreading plants.
251850. Col. No. 17579. Pietramala, Florence to Bologna. Elevation 3,000 feet. Plants matlike, on gravel.
- 251851 and 251852. *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**
251851. Col. No. 17508. Liedzen, Austria. Elevation 2,000 feet. Plants to one foot high.
251852. Col. No. 17562. Consuma, east of Florence. Elevation 2,700 feet. Plants small, thick-leaved.
- 251853 to 251861. *TRIFOLIUM PRATENSE* L. **Red clover.**
251853. Col. No. 17498. Hausruck, Austria. Spontaneous.
251854. Col. No. 17501. Atter See, Austria. Elevation 1,300 feet. Spontaneous in meadow.
251855. Col. No. 17505. Atter See, Austria. Elevation 1,300 feet.
251856. Col. No. 17516. Near Eisenerz, Austria. Elevation 4,000 feet.
251857. Col. No. 17519. Kafenberg, Austria. Elevation 1,600 feet. Spontaneous along stream bank.
251858. Col. No. 17533. Terminillo. Elevation 5,200 feet. Plants small with flat rosettes.
251859. Col. No. 17542. Terminillo. Elevation 5,300 feet. Plants small, variable.
251860. Col. No. 17544. Terminillo. Elevation 5,400 feet. Plants small, flattened rosettes.
251861. Col. No. 17587. South of Pietramala, Florence to Bologna. Elevation 2,800 feet.
- 251862 to 251866. *TRIFOLIUM REPENS* L. Fabaceae. **Whiteclover.**
251862. Col. No. 17504. Atter See, Austria. Elevation 1,300 feet. Plants vigorous, leafy.
251863. Col. No. 17515. Near Eisenerz, Austria. Elevation 4,000 feet. Plants small-leaved.
251864. Col. No. 17522. Near Saint Aegy, Austria. Elevation 3,500 feet.
251865. Col. No. 17543. Terminillo. Elevation 5,400 feet. Plants low, small-leaved.
251866. Col. No. 17570. River Arno, Florence. Plants drought-depauperated, forming a loose open cover.
251867. *TRIFOLIUM SQUARROSUM* L. **Clover.**
(No note.)

251868. TRIFOLIUM OCHROLEUCON Huds.

Col. No. 17578. Pietramala, Florence to Bologna. Elevation 3,000 feet. Spindly perennial.

251869. TRisetum FLAVESCENS (L.) Beauv. Poaceae.

Col. No. 17503. Atter see, Austria. Elevation 1,300 feet. Fine-leaved perennial.

251870. VICIA sp. Fabaceae.

Col. No. 17494. Riedersburg, Vienna, Austria. Fine-leaved annual.

251871 to 251880. ALLIUM BAKERI Regel Liliaceae.

From Japan. Bulbs presented by the Kagawa Local Government, Tenjinmatsushi. Received Oct. 13, 1958.

251871. Ball type for clay soil.

251872 to 251880. For sandy soil.

251872. Ball type.

251873. 'Chiba' type.

251874. 'Fukui' type.

251875. 'Kyushu' ball type.

251876. 'Shidzuoka A' type.

251877. 'Shidzuoka B' type.

251878. 'Tochigi' type.

251879. 'Toyama' type.

251880. 'Yatsubusa' type.

251881 to 251895. ZEA MAYS L. Poaceae.**Corn.**

From the Union of Soviet Socialist Republics. Seeds presented by the United States Embassy, Moscow. Received Oct. 14, 1958.

251881. 'Milovakaya 25'. Bashkiria.

251882. 'Chishminskaya I'. Bashkiria.

251883. 'Chakinskaya Zhemchuzhina'. Bashkiria.

251884. 'Beloiaro Psheno'. West Siberia.

251885. 'Kharkovskaya White Dent'. Kharkovskaya Obl. Ukrainian republic.

251886. 'Punduris'. Latvia.

251887. 'Sibiriachka'. Siberia Region.

251888. 'Voronezh 76'. Voronezh District.

251889. 'Voronezh 80'. Voronezh District.

251890. 'Gloria Yanetskogo'. Germany.

251891. 'Bessarabka'. Moldavia.

251892. 'Chernovitskaya 21'. Inbred line.

251893. 'Karpatskaya 239'. Moldavia.

251894. 'Flint 98'. Moldavia.

251895. 'Flint 234'. Moldavia.

251896 to 251943.

From the Union of Soviet Socialist Republics. Seeds presented by the Technical Exchange Team, Moscow, to the Department of Agronomy, University of Nebraska, Lincoln, Nebraska. Received Oct. 14, 1958.

Localities given are former sources.

- 251896 to 251898. *AVENA SATIVA* var. *ARISTATA* Schlecht. Poaceae. Oats.
 251896. No. 49. K4649. From Turkey.
 251897. No. 50. K9715. Very early; northern Russia.
 251898. No. 52. K8257. 'Soviet'.
 251899 and 251900. *AVENA SATIVA* L. Common oats.
 251899. No. 51. K8573. 'Aurea'. Northern Ukraine.
 251900. No. 53. K2307. 'Mutica'. 'Shatiliyskey 56'.
 251901 and 251902. *HELIANTHUS ANNUUS* L. Asteraceae. Common sunflower.
 251901. No. 19. 'Jdanovsky 6432'. Yields 45% oil.
 251902. No. 20. 'Kruglik A-41'. Yields 42-43% oil.
 251903 to 251907. *SECALE CERALE* L. Poaceae. Rye.
 251903. No. 55. K7276.
 251904. No. 57. K9352. Viatka.
 251905. No. 54. K9573.
 251906. No. 58. K9706. Leningrad.
 251907. No. 56. K9805.
 251908 to 251913. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
 251908. No. 36. K37490. 'Hungarian'. Winter type.
 251909. No. 32. K38389. 'Tsitsin hybrid 599'. Winter type.
 251910. No. 28. K38441. Winter type.
 251911. No. 35. K38490. Irkutsk, Siberia. Early, cold resistant.
 251912. No. 30. K38517. 'Kolhoznitsa'. Leningrad.
 251913. No. 34. K40612. 'Perennial 2'. 'Tsitsin'.
 251914 and 251915. *TRITICUM CARTHLICUM* Nevski. Wheat.
 251914. No. 46. K25170. Dry, hot region.
 251915. No. 47. K26828.
 251916 to 251923. *TRITICUM DURUM* Desf. Durum wheat.
 251916. No. 38. K24141. Spring type.
 251917. No. 42. K28112. 'Don Skaya 309'. Spring type.
 251918. No. 43. K28124. 'Gordeiforme 27'. Kyban. Spring type.
 251919. No. 44. K38330. Dry area 800 miles southeast of Moscow. Spring type.
 251920. No. 40. K38382. Garmoka, Don region—dry area. Spring type.
 251921. No. 37. K38390.
 251922. No. 41. K38687. 'Sare Beday'. Semi-winter type.
 251923. No. 39. K39099. Northern Ukraine. 'Chakinsaya 226'. Spring type.
 251924. *TRITICUM* sp.
 No. 45. K38258. Northern Caucasus. Amphidiploid. 2n-56. Spring type.
 251925. *TRITICUM ORIENTALE* var. *INSIGNE* Percival Wheat.
 No. 48. K39093. Dry area, Turkistan. 'Yakubz'. Spring type.
 251926 to 251943. *ZEA MAYS* L. Poaceae. Corn.
 251926. No. 1. Moldavia Mts. (Restorers A73, A166, Wf9, A334, A344, A385, A392, A374, OKSIA, OS420, IL4226, M14.)
 251927. No. 2. Beloyaroe Psheno. Extra early.

251928. No. 3. Svirachka, Siberia. Early.
 251929. No. 4. Schindelmeiser, Germany. Medium maturity.
 251930. No. 5. Mahndorfer, Germany. Medium early.
 251931. No. 6. Gloria Yanetskaya, East Germany. Early and cold resistant.
 251932. No. 7. 'Vorony 76'. Kharkov region.
 251933. No. 8. 'Vorony 80'. Kharkov region.
 251934. No. 9. 'Chernovitskaya 21'. Eastern Ukraine. Inbred line.
 251935. No. 10. Wielnopolama, Poland. Early, cold resistant.
 251936. No. 11. Brzika, Bulgaria. Early, productive.
 251937. No. 12. Bulgaria Domestic corn, K13048.
 251938. No. 13. Bulgaria Domestic Corn, K13072.
 251939. No. 14. Bulgaria 'Osmak'. K13103 early.
 251940. No. 15. Bulgaria, local variety K13061.
 251941. No. 16. Bulgaria. 'Chirpan 96'. K13061. Mid-season.
 251942. No. 17. Stalingrad. 'Rozenberg'. K11119—Dry area.
 251943. No. 18. Steppe region 'Dnepropetrovsk'. K7529.

251944 to 251947.

From Austria. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 15, 1958.

251944. *AGROSTIS ALBA* L. Poaceae.

Redtop.

Col. No. 17511. Near Eisenerz. Elevation 1,200 meters. Perennial forming close, deep, leaf crown.

251945. *AGROSTIS PALUSTRIS* Huds.

Creeping bentgrass.

Col. No. 17512. Near Eisenerz. Elevation 1,200 meters. Perennial with short leafy stems, forming deep cover.

251946. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.

Tall oatgrass.

Col. No. 17496. Riedersburg, near Vienna. Leafy perennial.

251947. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

Col. No. 17497. Wells. Cultivated strain for hay production.

251948 and 251949. PHASEOLUS CALCARATUS Roxb. Fabaceae.

Rice bean.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique du Congo Belge, Yangambi. Received Oct. 15, 1958.

251948. P. C. 1.

251949. P. C. 3.

251950 to 251955. CITRULLUS VULGARIS Schrad. Cucurbitaceae.

Watermelon.

From Japan. Seeds presented by the Agricultural Experiment Station, Matamuru, Gifu City. Received Oct. 15, 1958.

251950. 'Congo'. Diploid.

251951. 'Fumin'. Tetraploid.

251952. 'Fumin I' X 'Charleston Gray'. Triploid.

251953. 'Fumin I' X 'Congo'. Triploid.

251954. 'Fumin 2' X 'Congo'. Triploid.

251955. 'Fumin 3' X 'Congo'. Triploid.

251956 to 251974. URGINEA MARITIMA (L.) Baker Liliaceae.**Sea-onion.**

From Portugal, Spain and Greece. Bulbs collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 15, 1958.

251956. Col. No. 16894. 'Cebola Alberan'. Northeast of Evora, Portugal. Elevation 500 meters. Cluster of white squill with soft succulent bulbs, weighing to 2.5 kilos each.
251957. Col. No. 16895. 'Cebola Alberan'. Thirty-eight km. northeast of Evora. Elevation 500 meters.
251958. Col. No. 16916. Santiago, 140 km. southeast of Lisbon, Portugal. White bulbs.
251959. Col. No. 16917. Oeiras, Portugal.
251960. Col. No. 16918. Oeiras, Portugal. Small white squill, but some bulbs tinged with lavender.
251961. Col. No. 16931. 'Cebola Borda'. Near Cullera, Spain. White squill forming small clusters of bulbs of good size, one to two kilos each.
251962. Col. No. 16987. 'Cebola Borda'. Sierra Despenaperos, Spain. Elevation 1,000 meters. Cold resistant.
251963. Col. No. 16988. Sierra Despenaperos, Spain. Elevation 1,000 meters. White squill, leaves close, erect.
251964. Col. No. 16996. Messara, Crete. Elevation 230 meters. Bulbs reddish, single and in clumps; leaves dry.
251965. Col. No. 16997. Messara, Crete. Elevation 230 meters. Bulbs reddish, single and clustered.
251966. Col. No. 16998. Messara, Crete. Elevation 230 meters. Bulbs reddish, clustered.
251967. Col. No. 17006. Canyon, Potamous Amari, Crete. Elevation 600 meters. Bulbs large, vigorous, single, cespitose, reddish.
251968. Col. No. 17011. Karoti, Rethymnon, Crete. Elevation 160 meters. Bulbs white and reddish, large, in clusters.
251969. Col. No. 17019. Clay soil, 25 km. southeast of Iraklion, Crete. Elevation 300 meters. Bulbs single, reddish.
251970. Col. No. 17027. Saint Nicolas. Bulbs small, dry, white, single.
251971. Col. No. 17119. (No field note.)
251972. Col. No. 17120. Northwest of Menidhion between Arta and Arginion, Greece. Bulbs red.
251973. Col. No. 17121. One km. north of Menidhion between Arta and Arginion, Greece. Bulbs red.
251974. Col. No. 17338. Korcula Island, Greece.

251975 to 252005.

From Turkey and Afghanistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 15, 1958.

From Turkey, unless otherwise noted.

251975. CHRYSOPOGON GRYLLUS (L.) Trin. Poaceae.

Col. No. K1939. Twenty miles west of Istanbul. Plant to 36 inches high.

251976. BROMUS SCOPARIUS L. Poaceae.

Col. No. K760. Twenty miles west of Kandahar, Afghanistan. Plants to eight inches high.

- 251977 to 251987. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.
 251977. Col. No. K1853. Potatli bazaar.
251978. Col. No. K1861. Seven miles west of Sivrihisar. Plant spiny, to 24 inches high; flowers red, orange and yellow.
251979. Col. No. K1862. Seven miles west of Sivrihisar. Plants to 24 inches high; spineless; flowers red, orange and yellow; heads smaller than spiny types.
251980. Col. No. K1867. Eskisehir bazaar.
- 251981 to 251987. Experiment Station, Eskisehir.
 251981. Col. No. K1868. Variety 5-38.
 251982. Col. No. K1869. Variety 5-39.
 251983. Col. No. K1870. Variety 5-40.
 251984. Col. No. K1871. Variety 5-41.
 251985. Col. No. K1872. Variety 5-42.
 251986. Col. No. K1873. Variety 5-43.
 251987. Col. No. K1874. Variety 5-44.
- 251988 and 251989. *CARTHAMUS* (hybrids). Asteraceae.
 (*C. tinctorius* $\times$ *C. flavescens*). Experiment Station, Eskisehir.
251988. Col. No. K1875. Variety 5-39. Flowers yellow.
251989. Col. No. K1876. Variety 5-41.
- 251990 to 251993. *HELIANTHUS ANNUS* L. Asteraceae. Common sunflower.
 251990. Col. No. K1879. Eleven miles northwest of Bilecik. Plants to six feet high.
 251991. Col. No. K1882. Bilecik.
 251992. Col. No. K1892. Bursa bazaar.
 251993. Col. No. K1893. Bursa bazaar.
251994. *HORDEUM VULGARE* L. Poaceae. Common barley.
 Col. No. K1890. Bursa bazaar.
- 251995 to 251998. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
 251995. Col. No. K1825. Eight miles southeast of Corum. Plants to 12 inches high.
 251996. Col. No. K1836. Amasya bazaar.
 251997. Col. No. K1866. Eskisehir bazaar.
 251998. Col. No. K1878. Eleven miles northwest of Bilecik. Plant to 12 inches high.
251999. *NICOTIANA TABACUM* L. Solanaceae. Common tobacco.
 Col. No. K1894. Bursa bazaar.
252000. *PHALARIS TRUNCATA* Guss. Poaceae. Canarygrass.
 Col. No. K1927. Six miles west of Istanbul. Plants 30 inches high.
252001. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
 Col. No. K1895. Outskirts of Bursa. Plants to four feet high. Capsules mostly mahogany green, but some pink and red.
- 252002 and 252003. *SECALE CEREALE* L. Poaceae. Rye.
 252002. Col. No. K1860. Three miles east of Sivrihisar. Heads to eight inches long.
 252003. Col. No. K1891. Bursa bazaar.

252004. *VICIA FABA* L. Fabaceae.

Broadbean.

Col. No. K1884. Bursa bazaar.

252005. *ZEA MAYS* L. Poaceae.

Corn.

Col. No. K1888. Rumanian type. Bursa bazaar.

252006 and 252007. *ACTINIDIA CHINENSIS* Planch. Dilleniaceae.

Yang tao.

From China. Seedlings growing at the U.S. Plant Introduction Station, Chico, California. Numbered Oct. 16, 1958.

Formerly from Ichang, Hupeh.

252006. Staminate. Selection from P.I. 46864.

252007. Pistillate. Selection from P.I. 46864.

252008 to 252043.

From Turkey. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 16, 1958.

252008. *AVENA SATIVA* L. Poaceae.

Common oats.

Col. No. K1889. Bursa bazaar.

252009 to 252017. *CARTHAMUS DENTATUS* Vahl Asteraceae.

252009. Col. No. K1807. Seven miles east of Ankara, Cerikli road. Plants to 30 inches high; flowers light purple.

252010. Col. No. K1810. Cerikli road, 17 miles east of Ankara.

252011. Col. No. K1814. Near Lalahan, 20 miles east of Ankara.

252012. Col. No. K1840. Seven miles east of Kirikkale.

252013. Col. No. K1843. Two and a half miles west of Ankara.

252014. Col. No. K1857. Ankara-Eskisehir highway, one mile east of Sakarya River crossing. Plants to four feet high.

252015. Col. No. K1858. Two and a half miles east of Sivrihisar. Plants to 18 inches high.

252016. Col. No. K1877. Six miles northwest of Bilecik. Plants to eight inches high.

252017. Col. No. K1881. Ten miles east of Yenisehir. Plants to 18 inches high.

252018 to 252024. *CARTHAMUS FLAVESCENS* Willd.

252018. Col. No. K1815. Twenty-one miles east of Ankara, four miles west of Elmadag.

252019. Col. No. K1817. Thirty miles east of Ankara, seven miles east of Elmadag. Plants to 18 inches high.

252020. Col. No. K1821. Near Cerikli. Plants to 24 inches high.

252021. Col. No. K1838. Two and a half miles east of Yerkoy.

252022. Col. No. K1842. Two and a half miles west of Ankara.

252023. Col. No. K1844. Twenty-five miles southwest of Ankara.

252024. Col. No. K1863. Sixteen miles east of Eskisehir.

252025 to 252030. *CARTHAMUS GLAUCUS* Bieb.

252025. Col. No. K1820. Near Cerikli. Plants to 36 inches high; flowers purple.

252026. Col. No. K1824. Thirty-one miles northeast of Sungurlu. Heads clumped.

252027. Col. No. K1826. Junction Corum-Yozgat and Corum-Ankara roads. Plants to four feet high; flowers dark purple.

252028. Col. No. K1831. Agriculture School, Gokhoyuk.

252029. Col. No. K1832. One mile east of Turhal.

252030. Col. No. K1839. Ten miles west of Yerkoy.

252031 to 252039. *CARTHAMUS LANATUS* L.

252031. Col. No. K1811. Cerikli road, 11 miles east of Ankara.

252032. Col. No. K1813. Cerikli road, 19 miles east of Ankara.

252033. Col. No. K1819. Near Cerikli.

252034. Col. No. K1822. Two and a half miles northeast of Sungurlu.

252035. Col. No. K1830. Agriculture School, Gokhoyuk.

252036. Col. No. K1833. Two miles southwest of Yozgat.

252037. Col. No. K1849. Four miles northeast of Hyamana.

252038. Col. No. K1880. Eleven miles east of Yenisehir.

252039. Col. No. K1896. Western Bursa. Flowers lemon yellow.

252040 to 252042. *CARTHAMUS TINCTORIUS* L.

Safflower.

252040. Col. No. K1804. University of Ankara, Ankara.

252041. Col. No. K1805. University of Ankara, Ankara.

252042. Col. No. K1806. Field near Faculty of Agriculture, University of Ankara. Plant to 30 inches high; spineless; flowers red.

252043. *CARTHAMUS* sp.

Col. No. K1850. Six miles west of Haymana.

252044 to 252049.

From Italy. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 16, 1958.

252044. *AGROPYRON CANINUM* (L.) Beauv. Poaceae. **Awed wheatgrass.**

Col. No. 17536. Terminillo. Elevation 5,200 feet. Perennial with leafy culms.

252045. *AGROSTIS TENUIS* Sibth. Poaceae. **Colonial bentgrass.**

Col. No. 17552. Monte Martani, near Spoleto. Elevation 2,600 feet. Wild perennial forming spreading clumps.

252046. *ALOPECURUS PRATENSIS* L. Poaceae. **Meadow foxtail.**

Col. No. 17547. Terminillo. Elevation 4,800 feet. Plant leafy; leaves narrow; culms short.

252047. *ANTHOXANTHUM ODOBATUM* L. Poaceae. **Sweet vernalgrass.**

Col. No. 17539. Terminillo. Elevation 5,000 feet.

252048. *DANTHONIA* sp. Poaceae.

Col. No. 17555. Monte Martani, near Spoleto. Elevation 2,600 feet. Perennial; crown short; leaves tufted.

252049. *SIEGLINGIA* sp. Poaceae.

Col. No. 17558. Monte Martani, near Spoleto. Elevation 2,600 feet. Perennial; culms spreading.

252050. ARENGA ENGLERI Becc. **Phoenicaceae.** **Palm.**

From Australia. Seeds collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 16, 1958.

S-4. Botanic Garden, Sydney, New South Wales.

252051. ALLIUM sp. Liliaceae.

From Iran. Bulbs presented by the Ministry of Agriculture, Meshed. Received Oct. 17, 1958.

Wild in mountains near Meshed, Nishapur, Tobat-e-Hedri, and nearby areas, northeastern Iran. Annual rainfall is nine inches or less.

252052 and 252053.

From Turkey. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 17, 1958.

252052. BROMUS sp. Poaceae.

Col. No. K1812. Sixteen miles east of Ankara, Cerikli road. Plant to 18 inches high.

252053. VICIA ERVILLA (L.) Willd. Fabaceae.**Bittervetch.**

Col. No. K1883. Bursa bazaar.

252054 to 252058.

From Jordan. Seeds presented by the United States Operations Mission, International Cooperation Administration, Washington, D.C.

252054. HELIANTHUS ANNUUS L. Asteraceae.**Common sunflower.****252055. HORDEUM BULBOSUM L. Poaceae.****Bulbous barley.**

South of Kerak. Elevation 4,500 feet.

252056 and 252057. ORYZOPSIS COERULESCENS (Desf.) Hack. Poaceae.

252056. Reshadiya, south of Kerak. Elevation 4,500 feet.

252057. Three miles west of Shobek. Elevation 3,800 feet.

252058. STIPA sp. Poaceae.

Three miles west of Shobek.

252059 and 252060.

From Jordan. Seeds presented by the United States Operations Mission to Jordan, Amman. Received October 17, 1958.

252059. STIPA sp. Poaceae.

Stony clay loam, Reshadiya, south of Kerak. Elevation 4,500 feet.

252060. STIPA sp.

Rocky sandstone soil, on road to Deir Alla.

252061. AGAVE sp. Amaryllidaceae.

From Mexico. Plants collected by Bernice G. Schubert, Agricultural Explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received October 17, 1958.

Col. No. 1672. Paraiso, between road and ocean, Campeche-Champoton road, Campeche. Small plants scattered along shore.

252062 to 252064.

From Nepal. Presented by the United States Operations Mission, Katmandu. Received October 18, 1958.

252062. CAMELLIA KISSI Wall. Theaceae.

(Cuttings.)

252063. RUBUS sp. Rosaceae.

(Plant.)

252064. CAMELLIA KISSI Wall. Theaceae.

(Seeds.)

252065 to 253122.

From Mexico. Plants collected and presented by D. K. Cox, Syntex, S.A., Mexico, D.F. Received April 14, 1958.

Clones collected in Chiapas in January, February and March 1958.

252065 to 252159. DIOSCOREA COMPOSITA Hemsl. Dioscoreaceae. Yam.

252065. G63.	252097. G95.	252129. T16.
252066. G64.	252098. G96.	252130. T17.
252067. G65.	252099. G97.	252131. T18.
252068. G66.	252100. G98.	252132. T19.
252069. G67.	252101. G99.	252133. T20.
252070. G68.	252102. G100.	252134. T21.
252071. G69.	252103. G101.	252135. T22.
252072. G70.	252104. G102.	252136. T23.
252073. G71.	252105. G103.	252137. T24.
252074. G72.	252106. G104.	252138. T25.
252075. G73.	252107. G105.	252139. T26.
252076. G74.	252108. G106.	252140. T27.
252077. G75.	252109. G107.	252141. T28.
252078. G76.	252110. G108.	252142. T29.
252079. G77.	252111. G109.	252143. T30.
252080. G78.	252112. G110.	252144. T31.
252081. G79.	252113. G111.	252145. T32.
252082. G80.	252114. T1.	252146. T33.
252083. G81.	252115. T2.	252147. T34.
252084. G82.	252116. T3.	252148. T35.
252085. G83.	252117. T4.	252149. T36.
252086. G84.	252118. T5.	252150. T37.
252087. G85.	252119. T6.	252151. T38.
252088. G86.	252120. T7.	252152. T39.
252089. G87.	252121. T8.	252153. T40.
252090. G88.	252122. T9.	252154. T41.
252091. G89.	252123. T10.	252155. T42.
252092. G90.	252124. T11.	252156. T43.
252093. G91.	252125. T12.	252157. T44.
252094. G92.	252126. T13.	252158. T45.
252095. G93.	252127. T14.	252159. T46.
252096. G94.	252128. T15.	

252160 to 252370. DIOSCOREA FLORIBUNDA Mart. & Gal. Yam.

252160. G112.	252166. G118.	252172. G124.
252161. G113.	252167. G119.	252173. G125.
252162. G114.	252168. G120.	252174. G126.
252163. G115.	252169. G121.	252175. G127.
252164. G116.	252170. G122.	252176. G128.
252165. G117.	252171. G123.	252177. G129.

252178.	G130.	252223.	G175.	252268.	G220.
252179.	G131.	252224.	G176.	252269.	G221.
252180.	G132.	252225.	G177.	252270.	G222.
252181.	G133.	252226.	G178.	252271.	G223.
252182.	G134.	252227.	G179.	252272.	G224.
252183.	G135.	252228.	G180.	252273.	G225.
252184.	G136.	252229.	G181.	252274.	G226.
252185.	G137.	252230.	G182.	252275.	G227.
252186.	G138.	252231.	G183.	252276.	G228.
252187.	G139.	252232.	G184.	252277.	G229.
252188.	G140.	252233.	G185.	252278.	G230.
242189.	G141.	252234.	G186.	252279.	G231.
252190.	G142.	252235.	G187.	252280.	G232.
252191.	G143.	252236.	G188.	252281.	G233.
252192.	G144.	252237.	G189.	252282.	G234.
252193.	G145.	252238.	G190.	252283.	G235.
242194.	G146.	252239.	G191.	252284.	G236.
252195.	G147.	252240.	G192.	252285.	G237.
252196.	G148.	252241.	G193.	252286.	G238.
252197.	G149.	252242.	G194.	252287.	G239.
252198.	G150.	252243.	G195.	252288.	G240.
252199.	G151.	252244.	G196.	252289.	G241.
252200.	G152.	252245.	G197.	252290.	G242.
252201.	G153.	252246.	G198.	252291.	G243.
252202.	G154.	252247.	G199.	252292.	G244.
252203.	G155.	252248.	G200.	252293.	G245.
252204.	G156.	252249.	G201.	252294.	G246.
252205.	G157.	252250.	G202.	252295.	G247.
252206.	G158.	252251.	G203.	252296.	G248.
252207.	G159.	252252.	G204.	252297.	G249.
252208.	G160.	252253.	G205.	252298.	G250.
252209.	G161.	252254.	G206.	252299.	G251.
252210.	G162.	252255.	G207.	252300.	G252.
252211.	G163.	252256.	G208.	252301.	G253.
252212.	G164.	252257.	G209.	252302.	G254.
252213.	G165.	252258.	G210.	252303.	G255.
252214.	G166.	252259.	G211.	252304.	G256.
252215.	G167.	252260.	G212.	252305.	G257.
252216.	G168.	252261.	G213.	252306.	G258.
252217.	G169.	252262.	G214.	252307.	G259.
252218.	G170.	252263.	G215.	252308.	G260.
252219.	G171.	252264.	G216.	252309.	G261.
252220.	G172.	252265.	G217.	252310.	G262.
252221.	G173.	252266.	G218.	252311.	G263.
252222.	G174.	252267.	G219.	252312.	G264.

252313. G265.	252333. G285.	252353. G305.
252314. G266.	252334. G286.	252354. G306.
252315. G267.	252335. G287.	252355. G307.
252316. G268.	252336. G288.	252356. G308.
252317. G269.	252337. G289.	252357. G309.
252318. G270.	252338. G290.	252358. G310.
252319. G271.	252339. G291.	252359. G311.
252320. G272.	252340. G292.	252360. G312.
252321. G273.	252341. G293.	252361. G313.
252322. G274.	252342. G294.	252362. G314.
252323. G275.	252343. G295.	252363. G315.
252324. G276.	252344. G296.	252364. G316.
252325. G277.	252345. G297.	252365. G317.
252326. G278.	252346. G298.	252366. G318.
252327. G279.	252347. G299.	252367. G319.
252328. G280.	252348. G300.	252368. G320.
252329. G281.	252349. G301.	252369. G321.
252330. G282.	252350. G302.	252370. G322.
252331. G283.	252351. G303.	
252332. G284.	252352. G304.	

252371 to 253122. DIOSCOREA SPICULIFLORA Hemsl.

Yam.

252371. CR107.	252395. CR131.	252419. CR155.
252372. CR108.	252396. CR132.	252420. CR156.
252373. CR109.	252397. CR133.	252421. CR157.
252374. CR110.	252398. CR134.	252422. CR158.
252375. CR111.	252399. CR135.	252423. CR159.
252376. CR112.	252400. CR136.	252424. CR160.
252377. CR113.	252401. CR137.	252425. CR161.
252378. CR114.	252402. CR138.	252426. CR162.
252379. CR115.	252403. CR139.	252427. CR163.
252380. CR116.	252404. CR140.	252428. CR164.
252381. CR117.	252405. CR141.	252429. CR165.
252382. CR118.	252406. CR142.	252430. CR166.
252383. CR119.	252407. CR143.	252431. CR167.
252384. CR120.	252408. CR144.	252432. CR168.
252385. CR121.	252409. CR145.	252433. CR169.
252386. CR122.	252410. CR146.	252434. CR170.
252387. CR123.	252411. CR147.	252435. CR171.
252388. CR124.	252412. CR148.	252436. CR172.
252389. CR125.	252413. CR149.	252437. CR173.
252390. CR126.	252414. CR150.	252438. CR174.
252391. CR127.	252415. CR151.	252439. CR175.
252392. CR128.	252416. CR152.	252440. CR176.
252393. CR129.	252417. CR153.	252441. CR177.
252394. CR130.	252418. CR154.	252442. CR178.

252443.	CR179.	252488.	CR224.	252533.	CR269.
252444.	CR180.	252489.	CR225.	252534.	CR270.
252445.	CR181.	252490.	CR226.	252535.	CR271.
252446.	CR182.	252491.	CR227.	252536.	CR272.
252447.	CR183.	252492.	CR228.	252537.	CR273.
252448.	CR184.	252493.	CR229.	252538.	CR274.
252449.	CR185.	252494.	CR230.	252539.	CR275.
252450.	CR186.	252495.	CR231.	252540.	CR276.
252451.	CR187.	252496.	CR232.	252541.	CR277.
252452.	CR188.	252497.	CR233.	252542.	CR278.
252453.	CR189.	252498.	CR234.	252543.	CR279.
252454.	CR190.	252499.	CR235.	252544.	CR280.
252455.	CR191.	252500.	CR236.	252545.	CR281.
252456.	CR192.	252501.	CR237.	252546.	CR282.
252457.	CR193.	252502.	CR238.	252547.	CR283.
252458.	CR194.	252503.	CR239.	252548.	CR284.
252459.	CR195.	252504.	CR240.	252549.	CR285.
252460.	CR196.	252505.	CR241.	252550.	CR286.
252461.	CR197.	252506.	CR242.	252551.	CR287.
252462.	CR198.	252507.	CR243.	252552.	CR288.
252463.	CR199.	252508.	CR244.	252553.	CR289.
252464.	CR200.	252509.	CR245.	252554.	CR290.
252465.	CR201.	252510.	CR246.	252555.	CR291.
252466.	CR202.	252511.	CR247.	252556.	CR292.
252467.	CR203.	252512.	CR248.	252557.	CR293.
252468.	CR204.	252513.	CR249.	252558.	CR294.
252469.	CR205.	252514.	CR250.	252559.	CR295.
252470.	CR206.	252515.	CR251.	252560.	CR296.
252471.	CR207.	252516.	CR252.	252561.	CR297.
252472.	CR208.	252517.	CR253.	252562.	CR298.
252473.	CR209.	252518.	CR254.	252563.	CR299.
252474.	CR210.	252519.	CR255.	252564.	CR300.
252475.	CR211.	252520.	CR256.	252565.	CR301.
252476.	CR212.	252521.	CR257.	252566.	CR302.
252477.	CR213.	252522.	CR258.	252567.	CR303.
252478.	CR214.	252523.	CR259.	252568.	CR304.
252479.	CR215.	252524.	CR260.	252569.	CR305.
252480.	CR216.	252525.	CR261.	252570.	CR306.
252481.	CR217.	252526.	CR262.	252571.	CR307.
252482.	CR218.	252527.	CR263.	252572.	CR308.
252483.	CR219.	252528.	CR264.	252573.	CR309.
252484.	CR220.	252529.	CR265.	252574.	CR310.
252485.	CR221.	252530.	CR266.	252575.	CR311.
252486.	CR222.	252531.	CR267.	252576.	CR312.
252487.	CR223.	252532.	CR268.	252577.	CR313.

252578. CR314.	252623. CR359.	252668. CR404.
252579. CR315.	252624. CR360.	252669. CR405.
252580. CR316.	252625. CR361.	252670. CR406.
252581. CR317.	252626. CR362.	252671. CR407.
252582. CR318.	252627. CR363.	252672. CR408.
252583. CR319.	252628. CR364.	252673. CR409.
252584. CR320.	252629. CR365.	252674. CR410.
252585. CR321.	252630. CR366.	252675. CR411.
252586. CR322.	252631. CR367.	252676. CR412.
252587. CR323.	252632. CR368.	252677. CR413.
252588. CR324.	252633. CR369.	252678. CR414.
252589. CR325.	252634. CR370.	252679. CR415.
252590. CR326.	252635. CR371.	252680. CR416.
252591. CR327.	252636. CR372.	252681. CR417.
252592. CR328.	252637. CR373.	252682. CR418.
252593. CR329.	252638. CR374.	252683. CR419.
252594. CR330.	252639. CR375.	252684. CR420.
252595. CR331.	252640. CR376.	252685. CR421.
252596. CR332.	252641. CR377.	252686. CR422.
252597. CR333.	252642. CR378.	252687. CR423.
252598. CR334.	252643. CR379.	252688. CR424.
252599. CR335.	252644. CR380.	252689. CR425.
252600. CR336.	252645. CR381.	252690. CR426.
252601. CR337.	252646. CR382.	252691. CR427.
252602. CR338.	252647. CR383.	252692. CR428.
252603. CR339.	252648. CR384.	252693. CR429.
252604. CR340.	252649. CR385.	252694. CR430.
252605. CR341.	252650. CR386.	252695. CR431.
252606. CR342.	252651. CR387.	252696. CR432.
252607. CR343.	252652. CR388.	252697. CR433.
252608. CR344.	252653. CR389.	252698. CR434.
252609. CR345.	252654. CR390.	252699. CR435.
252610. CR346.	252655. CR391.	252700. CR436.
252611. CR347.	252656. CR392.	252701. CR437.
252612. CR348.	252657. CR393.	252702. CR438.
252613. CR349.	252658. CR394.	252703. CR439.
252614. CR350.	252659. CR395.	252704. CR440.
252615. CR351.	252660. CR396.	252705. CR441.
252616. CR352.	252661. CR397.	252706. CR442.
252617. CR353.	252662. CR398.	252707. CR443.
252618. CR354.	252663. CR399.	252708. CR444.
252619. CR355.	252664. CR400.	252709. CR445.
252620. CR356.	252665. CR401.	252710. CR446.
252621. CR357.	252666. CR402.	252711. CR447.
252622. CR358.	252667. CR403.	252712. CR448.

252713.	CR449.	252758.	CR494.	252803.	CR539.
252714.	CR450.	252759.	CR495.	252804.	CR540.
252715.	CR451.	252760.	CR496.	252805.	CR541.
252716.	CR452.	252761.	CR497.	252806.	CR542.
252717.	CR453.	252762.	CR498.	252807.	CR543.
252718.	CR454.	252763.	CR499.	252808.	CR544.
252719.	CR455.	252764.	CR500.	252809.	CR545.
252720.	CR456.	252765.	CR501.	252810.	CR546.
252721.	CR457.	252766.	CR502.	252811.	CR547.
252722.	CR458.	252767.	CR503.	252812.	CR548.
252723.	CR459.	252768.	CR504.	252813.	CR549.
252724.	CR460.	252769.	CR505.	252814.	CR550.
252725.	CR461.	252770.	CR506.	252815.	CR551.
252726.	CR462.	252771.	CR507.	252816.	CR552.
252727.	CR463.	252772.	CR508.	252817.	CR553.
252728.	CR464.	252773.	CR509.	252818.	CR554.
252729.	CR465.	252774.	CR510.	252819.	CR555.
252730.	CR466.	252775.	CR511.	252820.	CR556.
252731.	CR467.	252776.	CR512.	252821.	CR557.
252732.	CR468.	252777.	CR513.	252822.	CR558.
252733.	CR469.	252778.	CR514.	252823.	CR559.
252734.	CR470.	252779.	CR515.	252824.	CR560.
252735.	CR471.	252780.	CR516.	252825.	CR561.
252736.	CR472.	252781.	CR517.	252826.	CR562.
252737.	CR473.	252782.	CR518.	252827.	CR563.
252738.	CR474.	252783.	CR519.	252828.	CR564.
252739.	CR475.	252784.	CR520.	252829.	CR565.
252740.	CR476.	252785.	CR521.	252830.	CR566.
252741.	CR477.	252786.	CR522.	252831.	CR567.
252742.	CR478.	252787.	CR523.	252832.	CR568.
252743.	CR479.	252788.	CR524.	252833.	CR569.
252744.	CR480.	252789.	CR525.	252834.	CR570.
252745.	CR481.	252790.	CR526.	252835.	CR571.
252746.	CR482.	252791.	CR527.	252836.	CR572.
252747.	CR483.	252792.	CR528.	252837.	CR573.
252748.	CR484.	252793.	CR529.	252838.	CR574.
252749.	CR485.	252794.	CR530.	252839.	CR575.
252750.	CR486.	252795.	CR531.	252840.	CR576.
252751.	CR487.	252796.	CR532.	252841.	CR577.
252752.	CR488.	252797.	CR533.	252842.	CR578.
252753.	CR489.	252798.	CR534.	252843.	CR579.
252754.	CR490.	252799.	CR535.	252844.	CR580.
252755.	CR491.	252800.	CR536.	252845.	CR581.
252756.	CR492.	252801.	CR537.	252846.	CR582.
252757.	CR493.	252802.	CR538.	252847.	CR583.

252848. CR584.	252893. CR629.	252938. CR674.
252849. CR585.	252894. CR630.	252939. CR675.
252850. CR586.	252895. CR631.	252940. CR676.
252851. CR587.	252896. CR632.	252941. CR677.
252852. CR588.	252897. CR633.	252942. CR678.
252853. CR589.	252898. CR634.	252943. CR679.
252854. CR590.	252899. CR635.	252944. CR680.
252855. CR591.	252900. CR636.	252945. CR681.
252856. CR592.	252901. CR637.	252946. CR682.
252857. CR593.	252902. CR638.	252947. CR683.
252858. CR594.	252903. CR639.	252948. CR684.
252859. CR595.	252904. CR640.	252949. CR685.
252860. CR596.	252905. CR641.	252950. CR686.
252861. CR597.	252906. CR642.	252951. CR687.
252862. CR598.	252907. CR643.	252952. CR688.
252863. CR599.	252908. CR644.	252953. CR689.
252864. CR600.	252909. CR645.	252954. CR690.
252865. CR601.	252910. CR646.	252955. CR691.
252866. CR602.	252911. CR647.	252956. CR692.
252867. CR603.	252912. CR648.	252957. CR693.
252868. CR604.	252913. CR649.	252958. CR694.
252869. CR605.	252914. CR650.	252959. CR695.
252870. CR606.	252915. CR651.	252960. CR696.
252871. CR607.	252916. CR652.	252961. CR697.
252872. CR608.	252917. CR653.	252962. CR698.
252873. CR609.	252918. CR654.	252963. CR699.
252874. CR610.	252919. CR655.	252964. CR700.
252875. CR611.	252920. CR656.	252965. CR701.
252876. CR612.	252921. CR657.	252966. CR702.
252877. CR613.	252922. CR658.	252967. CR703.
252878. CR614.	252923. CR659.	252968. CR704.
252879. CR615.	252924. CR660.	252969. CR705.
252880. CR616.	252925. CR661.	252970. CR706.
252881. CR617.	252926. CR662.	252971. CR707.
252882. CR618.	252927. CR663.	252972. CR708.
252883. CR619.	252928. CR664.	252973. CR709.
252884. CR620.	252929. CR665.	252974. CR710.
252885. CR621.	252930. CR666.	252975. CR711.
252886. CR622.	252931. CR667.	252976. CR712.
252887. CR623.	252932. CR668.	252977. CR713.
252888. CR624.	252933. CR669.	252978. CR714.
252889. CR625.	252934. CR670.	252979. CR715.
252890. CR626.	252935. CR671.	252980. CR716.
252891. CR627.	252936. CR672.	252981. CR717.
252892. CR628.	252937. CR673.	252982. CR718.

252983.	CR719.	253027.	CR763.	253071.	CR807.
252984.	CR720.	253028.	CR764.	253072.	CR808.
252985.	CR721.	253029.	CR765.	253073.	CR809.
252986.	CR722.	253030.	CR766.	253074.	CR810.
252987.	CR723.	253031.	CR767.	253075.	CR811.
252988.	CR724.	253032.	CR768.	253076.	CR812.
252989.	CR725.	253033.	CR769.	253077.	CR813.
252990.	CR726.	253034.	CR770.	253078.	CR814.
252991.	CR727.	253035.	CR771.	253079.	CR815.
252992.	CR728.	253036.	CR772.	253080.	CR816.
252993.	CR729.	253037.	CR773.	253081.	CR817.
252994.	CR730.	253038.	CR774.	253082.	CR818.
252995.	CR731.	253039.	CR775.	253083.	CR819.
252996.	CR732.	253040.	CR776.	253084.	CR820.
252997.	CR733.	253041.	CR777.	253085.	CR821.
252998.	CR734.	253042.	CR778.	253086.	CR822.
252999.	CR735.	253043.	CR779.	253087.	CR823.
253000.	CR736.	253044.	CR780.	253088.	CR824.
253001.	CR737.	253045.	CR781.	253089.	CR825.
253002.	CR738.	253046.	CR782.	253090.	CR826.
253003.	CR739.	253047.	CR783.	253091.	CR827.
253004.	CR740.	253048.	CR784.	253092.	CR828.
253005.	CR741.	253049.	CR785.	253093.	CR829.
253006.	CR742.	253050.	CR786.	253094.	CR830.
253007.	CR743.	253051.	CR787.	253095.	CR831.
253008.	CR744.	253052.	CR788.	253096.	CR832.
253009.	CR745.	253053.	CR789.	253097.	CR833.
253010.	CR746.	253054.	CR790.	253098.	CR834.
253011.	CR747.	253055.	CR791.	253099.	CR835.
253012.	CR748.	253056.	CR792.	253100.	CR836.
253013.	CR749.	253057.	CR793.	253101.	CR837.
253014.	CR750.	253058.	CR794.	253102.	CR838.
253015.	CR751.	253059.	CR795.	253103.	CR839.
253016.	CR752.	253060.	CR796.	253104.	CR840.
253017.	CR753.	253061.	CR797.	253105.	CR841.
253018.	CR754.	253062.	CR798.	253106.	CR842.
253019.	CR755.	253063.	CR799.	253107.	CR843.
253020.	CR756.	253064.	CR800.	253108.	CR844.
253021.	CR757.	253065.	CR801.	253109.	CR845.
253022.	CR758.	253066.	CR802.	253110.	CR846.
253023.	CR759.	253067.	CR803.	253111.	CR847.
253024.	CR760.	253068.	CR804.	253112.	CR848.
253025.	CR761.	253069.	CR805.	253113.	CR849.
253026.	CR762.	253070.	CR806.		

253114. CR850.	253117. CR853.	253120. CR856.
253115. CR851.	253118. CR854.	253121. CR857.
253116. CR852.	253119. CR855.	253122. CR858.

253123. RICINUS COMMUNIS L. Euphorbiaceae. Castorbean.

From Ethiopia. Seeds collected by the Oklahoma State University Mission to Ethiopia. Received Oct. 22, 1958.

From the Agricultural Technical School, Jimma, 1958.

253124. CITRUS SINENSIS (L.) Osbeck Rutaceae. Sweet orange.

From Brazil. Seeds collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 22, 1958.

Col. No. 106, 'Selecta'. Experiment Station Farm, Fomento, near Santarem. Fruits of excellent flavor.

253125. PRUNUS ARMENIACA L. Amygdalaceae. Apricot.

From Iran. Seeds collected by the Ministry of Agriculture, Meshed. Received Oct. 22, 1958.

'Nouri'. The largest apricot in the Meshed area, ripening about 10 days earlier than others.

253126 to 253131.

From Great Britain. Bulbs presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Oct. 22, 1958.

253126. *ALLIUM MACRANTHUM* Baker Liliaceae.

253127. *ALLIUM PARADOXUM* (Bieb.) Don

253128. *ALLIUM PENDULINUM* Tenore

253129. *ALLIUM URSINUM* L.

253130. *SCILLA AUTUMNALIS* L. Liliaceae.

Autumn squill.

253131. *TRITONIA* sp. Iridaceae.

253132. OREOPANAX CAPITATUM (J. E. Sm.) Dcne. & Planch.

Araliaceae.

From Italy. Seeds presented by the Stazion Sperimentale di Floricoltura "Orazio Raimondo", Sanremo. Received Oct. 22, 1958.

253133. COSTUS sp. Zingiberaceae.

From Panama. Seeds collected and presented by Ira S. Nelson, Southwest Louisiana Institute, Lafayette, Louisiana. Received Oct. 22, 1958.

253134 and 253135.

From the Union of Soviet Socialist Republics. Seeds presented by the All Union Propagation Institute, Voronezh. Received Oct. 22, 1958.

253134. *CAMELINA SATIVA* (L.) Crantz. Brassicaceae.

No. 4139. Voronezh.

253135. *LALLEMANTIA IBERICA* (Bieb.) Fisch. & Mey. Menthaceae.

No. 11.

253136 to 253138.

From Yugoslavia. Seed presented by Seed Enterprise, Belgrade. Received Oct. 22, 1958.

253136. *ANETHUM GRAVEOLENS* L. Apiaceae.

Dill.

No. 1237.

253137. *PAPAVR SOMNIFERM* L. Papaveraceae.

Opium poppy.

No. 1175.

253138. *PINUS MUGO* Turra Pinaceae.

Swiss mountain pine.

No. 1546.

253139 to 253172.

From Afghanistan, Iran and Turkey. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 22, 1958.

253139. *ALYSSUM* sp. Brassicaceae.

Col. No. K1430. 'Guduma'. Isfahan bazaar, Iran.

253140 and 253141. *AMMI COPTICUM* L. Apiaceae.

253140. Col. No. K737. Girishk bazaar, Afghanistan.

253141. Col. No. K1403. 'Zenum'. Isfahan bazaar, Iran.

253142. *ANETHUM GRAVEOLENS* L. Apiaceae.

Dill.

Col. No. K1407. 'Shevid'. Isfahan bazaar, Iran.

253143. *BUPLEURUM* sp. Apiaceae.

Col. No. K1413. 'Ziresiah'. Isfahan bazaar, Iran.

253144. *CENTAUREA* sp. Asteraceae.

Col. No. K764. Near ICA Staff House, Kandahar, Afghanistan.
Plants to 30 inches high; flowers purple.

253145 and 253146. *CORIANDRUM SATIVUM* L. Apiaceae.

Coriander.

253145. Col. No. K740. Girishk bazaar, Afghanistan.

253146. Col. No. K1425. 'Gashniz'. Isfahan bazaar, Iran.

253147. *DELPHINIUM* sp. Ranunculaceae.

Col. No. K1589. One hundred ten km. from Ardebil on Moghan road, Iran.
Flowers purple.

253148. *DELPHINIUM* sp.

Col. No. K1636. Thirty-three km. west of Lari, Iran. Flowers purple.

253149. *FILAGO* sp. Asteraceae.

Col. No. K436. Rawalpindi-Murree road, West Pakistan. Plants small, ephemeral.

253150 and 253151. *FOENICULUM VULGARE* Mill. Apiaceae.

Fennel.

253150. Col. No. K742. Girishk bazaar, Afghanistan.

253151. Col. No. K1414. 'Badyun'. Isfahan bazaar, Iran.

253152. *IRIS* sp. Iridaceae.

Col. No. K1901. Thirteen miles north of Mustafakemalpasa, Turkey.

253153. *LALLEMANTIA* sp. Menthaceae.

Col. No. K1543. 'Black Bazrak'. Tabriz bazaar, Iran.

253154. *LEPIDIUM SATIVUM* L. Brassicaceae.

Garden cress.

Col. No. K1398. 'Shahi'. Isfahan bazaar, Iran.

253155. *LILLIUM* sp. Liliaceae.

Col. No. K1913. Twelve miles southwest of Sindirgi, Turkey. Plants to six inches high.

253156. *NIGELLA SATIVA* L. Ranunculaceae.

Black cumin.

Col. No. K1917. Istanbul bazaar, Turkey.

253157 and 253158. *OCIMUM BASILICUM* L. Menthaceae.

Basil.

253157. Col. No. K1401. 'Rayhoon'. Isfahan bazaar, Iran.

253158. Col. No. K1428. 'Tokhm Sharbati'. Isfahan bazaar, Iran.

Used as a beverage with sugar and water.

253159 to 253163. PAPAVER SOMNIFERUM L. Papaveraceae. Opium poppy.

253159. (No field number.) Purchased at Cooperative State Seed Store, Skopje, Macedonia, Yugoslavia.

253160. Col. No. K1377. 'Khash-Khash'. Isfahan bazaar, Iran.

253161. Col. No. K1458. 'Khash-Khash'. Isfahan bazaar, Iran.

253162. Col. No. K1489. 'Khash-Khash'. Flaverjan bazaar, 12 miles west of Isfahan.

253163. Col. No. K1669. 'Khash-Khash'. Meshed bazaar, Iran.

253164. PAPAVER sp.

Col. No. K1633. North side of Mount Savalan, east of Tabriz, Iran.

253165. PLANTAGO PSYLLIUM L. Plantaginaceae. Flaxseed plantain.

Col. No. K1408. 'Esfarza'. Isfahan bazaar, Iran.

253166. PLANTAGO sp.

Col. No. K603. Khyber Pass, Afghanistan.

253167. PLANTAGO sp.

Col. No. K1427. 'Barhang'. Isfahan bazaar.

253168. RUBIA TINCTORIA L. Rubiaceae. Madder.

Col. No. K1457. 'Ronyas'. Isfahan bazaar, Iran. Roots used as source of dye.

253169. RUMEX sp. Polygonaceae.

Col. No. K1946. Thirty-five miles west of Istanbul. Plant to four feet high.

253170. SALVIA sp. Menthaceae.

Col. No. K1431. 'Marze'. Isfahan bazaar. Leaves used as a vegetable.

253171. (Undetermined.) Menthaceae.

Col. No. K1429. 'Bollangu'. Isfahan bazaar. Infusion used for chest troubles.

253172. (Undetermined.)

Col. No. K1905. Twelve miles northwest of Balikesir, Turkey.

253173. MORINGA OLEIFERA Lam. Moringaceae. Horseradish-tree.

From Jordan. Seeds collected by the United States Operations Mission, Amman. Received October 23, 1958.

Eastern side of the Dead Sea, near Main Springs.

253174 to 253178.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 23, 1958.

253174. CITRULLUS VULGARIS Schrad. Cucurbitaceae. Watermelon.

Col. No. 17492. Sava River Valley, Serbia. Elevation 500 feet. Yellow flesh variety; cultivated on heavy soils.

253175. CORNUS MAS L. Cornaceae. Cornelian-cherry.

Col. No. 17444. Matavun, Slovenia. Elevation 1,300 feet.

253176. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

Col. No. 17426. Ljubljana, Slovenia. Elevation 1,000 feet. Pole bean.

253177. PIPTANTHUS NEPALENSIS (Hook.) Sweet Fabaceae.

Col. No. 17383. Sarajevo, Bosnia. Elevation 2,000 feet. Leafy tree used as a hedge.

253178. *BUPHTHALMUM SPECIOSUM* (Baumg.) Schreb. Asteraceae.

Col. No. 17272. Northern slope of Shar Plannina. Elevation 4,300 feet. Leaves large; flowers yellow, large, attractive.

253179 to 253181.

From Turkey. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 23, 1958.

253179. *DELPHINIUM* sp. Ranunculaceae.

Col. No. K1827. Seventeen miles northeast of Sungurlu. Flowers purple.

253180. *DELPHINIUM* sp.

Col. No. K1847. Four miles northeast of Haymana. Flowers light purple.

253181. (Undetermined.) Menthaceae.

Col. No. K1851. Ten miles west of Haymana. Plant to four feet high; flowers purple.

253182 to 253187. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub.

Fabaceae. Guar.

From the United States. Seeds stored at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Oct. 23, 1958.

253182. B-49819.

253185. B-49822.

253183. B-49820.

253186. B-49823.

253184. B-49821.

253187. B-49824.

253188 to 253202.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 23, 1958.

253188. *ANTHOXANTHUM ODORATUM* L. Poaceae.

Sweet vernalgrass.

Col. No. 17320. South end of Mount Durmitor, Montenegro. Elevation 4,600 feet.

253189. *DANTHONIA* sp. Poaceae.

Col. No. 17297. Thirty miles east of Titograd, Montenegro. Elevation 4,200 feet. Perennial; heads short; culms long.

253190. *FESTUCA RUBRA* var. *HETEROPHYLLA* (Lam.) Mutel Shade fescue.

Col. No. 17308. Mount Durmitor, Montenegro. Elevation 5,100 feet. Perennial; blades yellowish.

253191. *DESCHAMPSIA* sp. Poaceae.

Col. No. 17365. Kupres Valley, Bosnia. Elevation 3,800 feet. Sparsely tufted perennial in *Nardus-Festuca* association.

253192. *FESTUCA RUBRA* var. *HETEROPHYLLA* (Lam.) Mutel Poaceae.

Shade fescue.

Col. No. 17257. Northeast end of Shar Plannina. Elevation 4,100 feet. Fine-leaved mesophytic perennial.

253193. *BROMUS ERECTUS* Huds.

Meadow brome.

Col. No. 17322. Limestone rocks, north end of Mount Durmitor, Montenegro. Elevation 5,000 feet. Leafy xerophyte.

253194. *FESTUCA RUBRA* var. *HETEROPHYLLA* (Lam.) Mutel Shade fescue.

Col. No. 17375. Twelve miles south of Kupres, Bosnia. Elevation 4,000 feet.

253195. *GLYCERIA FLUITANS* (L.) R. Br. Poaceae.

Col. No. 17160. Twelve miles north of Vranje. Perennial; leaves broad, succulent; culms tall.

253196. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.

Col. No. 17282. Chakor Mountains, Montenegro. Elevation 6,400 feet.

253197. *SPOROBOLUS* sp. Poaceae.

Col. No. 17388. Twelve miles east of Sarajevo, Bosnia. Elevation 3,000 feet. Tall, leafy.

253198 and 253199. *TRIFOLIUM HYBRIDUM* L. Fabaceae. Alsike clover.

253198. Col. No. 17324. South of Shavnick, Montenegro. Elevation 3,900 feet. Slender perennial to two feet high.

253199. Col. No. 17394. Romanian Mountains, east of Sarajevo, Bosnia. Elevation 3,800 feet.

253200. *TRIFOLIUM MEDIUM* Huds. Fabaceae. Zig-zag clover.

Col. No. 17377. Rocky mountain road east of Kupres, Bosnia. Elevation 3,800 feet. Perennial to two feet high.

253201. *TRIFOLIUM ALEXANDRINUM* L. Berseem clover.

Col. No. 17195. Clay soil, State Farm, Macedonia, Elevation 1,200 feet, Vigorous annual.

253202. *TRIFOLIUM MONTANUM* L. Clover.

Col. No. 17261. North slope of Shar Plannina. Elevation 4,200 feet. Perennial to one foot high; stems slender, nearly leafless.

253203 to 253206.

From Greece. Seeds presented by the Experiment Station of the University of Salonica, Salonica. Received Oct. 23, 1958.

253203. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.

Trees vigorous, heavy bearers; fruits small, dark-red, fine-flavored. Said to come true from seed.

253204. *PRUNUS CERASIFERA* Ehrh. Myrobalan plum.

Fruits fine flavored; comes true from seed. Said to be rootstock for all varieties of plums and peaches, especially in wet soils.

253205. *PRUNUS MAHALEB* L. Mahaleb cherry.

Used as a dwarfing rootstock for cherries; said to induce early fruiting and shorten tree life to eight or nine years.

253206. *PYRUS COMMUNIS* L. Malaceae. Common pear.

253207 to 253221.

From Mexico. Tubers presented by J. G. Hawkes, Birmingham University, England. Received Oct. 24, 1958.

253207 and 253208. *SOLANUM BULBOCASTANUM* Dun. Solanaceae.

253207. Col. No. 1617. Shady, grassy banks, Parque Nacional de "Tepeyac", seven kms. north of Mexico City. Elevation 2,350 meters.

253208. Col. No. 1627. El Parque, Morelos, 95 km. from Mexico City, railway from Mexico City to Cuernavaca. Elevation 2,250 meters.

253209 to 253211. *SOLANUM BULBOCASTANUM* var. *DOLICHOPHYLLUM* Bitt.

253209. Col. No. 1628. Morelos, 93 km. from Mexico City, railway from Mexico City to Cuernavaca. Elevation 2,250 meters.

253210. Col. No. 1632. Half km. above El Parque, Morelos, railway from Mexico City to Cuernavaca. Elevation 2,300 meters.

253211. Col. No. 1637. Morelos, sixty-five km. from Mexico City, old highway from Mexico City to Cuernavaca. Elevation 2,100 meters. Open pine wood, partial shade.

253212. *SOLANUM CARDIOPHYLLUM* Lindl.

Col. No. 1598. Villa Guerrero, Mexico, Tenancingo-Istapan de la Sal road. Elevation 1,800 meters.

253213. SOLANUM CARDIOPHYLLUM var. ENDOIODANDRUM Bitt.

Col. No. 1640. Near Tehuacan, Pueblo. Vera Cruz-Puebla-Tehuacan road, Elevation 1,800 meters.

253214. SOLANUM PINNATISECTUM Dun.

Col. No. 1665. Ejido de Sauz, Queretaro. San Juan del Rio-Queretaro road.

253215 and 253216. SOLANUM SAMBUCINUM Rydg.

253215. Col. No. 1667. Base of hill near Presa Pinta, Queretaro, San Juan del Rio, Cerro la Venta. Elevation 1,950 meters.

253216. Col. No. 1668. Base of hill near Presa Pinta, Queretaro, San Juan del Rio, Cerro la Venta. Elevation 1,950 meters.

253217 and 253218. SOLANUM SEMIDEMISSUM Buk.

253217. Col. No. 1675. Desierto de los Leones, above Mexico City, road to San Miguel. Elevation 3,050 meters.

253218. Col. No. 1676. Desierto de los Leones, Distrito Federal. Elevation 2,950 meters.

253219. SOLANUM STOLONIFERUM Schlecht.

Col. No. 1579. Ajusco, Distrito Federal. Elevation 2,950 meters.

253220 and 253221. SOLANUM VALLIS-MEXICAE Juz.

253220. Col. No. 1672. Twenty-three and one-half km. from Mexico City, Toluca road. Elevation 2,800 meters.

253221. Col. No. 1673. La Venta, 24 km. from Mexico City, Toluca road. Elevation 2,800 meters.

253222 and 253223.

From Australia. Scions collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 24, 1958.

From Brisbane Botanical Garden, Brisbane, Queensland.

253222. THUNBERGIA MYSORENSIS (Wight.) T. Anders. Acanthaceae.

Clockvine.

253223. TECOMANTHE VENUSTA S. Moore Bignoniaceae.

253224 to 253230.

From Turkey. Seeds collected from P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 27, 1958.

253224. ALLIUM sp. Liliaceae.

Col. No. K1846. Thirty-nine km. southwest of Ankara.

253225. ALLIUM sp.

Col. No. K1852. Six km. southeast of Polatli.

253226 to 253228. Cicer ARIETINUM L. Fabaceae.

Chickpea.

253226. Col. No. K1864. Eskisehir bazaar.

253227. Col. No. K1886. Bursa bazaar.

253228. Col. No. K1887. Bursa bazaar.

253229. LACTUCA SALIGNA L. Cichoriaceae.

Col. No. K1808. Eleven km. east of Ankara, Cerikli road. Plants to 1.5 meters high.

253230. LACTUCA SERRIOLA L.

Col. No. K1856. Six km. southeast of Polatli.

253231. AMHERSTIA NOBILIS Wall. Caesalpinaceae.

From the British West Indies. Plant collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 27, 1958.

Col. No. 102. St. Augustine Nurseries, Trinidad. Rare ornamental tree.

253232 to 253236.

From the Netherlands. Plants and scions presented by the Instituut voor de Veredeling van Tuinbouwgewassen, Wageningen. Received Oct. 27, 1958.

253232 to 253235. FRAGARIA VESCA L. Rosaceae. European strawberry.
Plants.

253232. 'Jucunda'.

253233. 'Juspa'.

253234. 'Mme. Moutot'.

253235. 'Vicomes' ('Herigard de Thury').

253236. RIBES SATIVUM Syme. Grossulariaceae. Garden currant.
'Rondom'. Scions.

253237 and 253238.

From Australia. Seeds presented by W. J. Bisset, Leichardt District, Capella, New South Wales. Received Oct. 27, 1958.

253237. GLYCINE FALCATA Benth. Fabaceae.

Q310. Of interest because of its seed burying characteristics.

253238. GLYCINE TOMENTOSA Benth.

Q311.

253239 to 253271.

From the Union of South Africa. Seeds presented by the Department of Agriculture, Division of Crops and Pastures, Pretoria, Transvaal. Received Oct. 27, 1958.

253239. BRACHIARIA NIGROPEDATA (Munro) Stapf. Poaceae.
CP 58/386.

253240 to 253257. PANICUM COLORATUM L. Poaceae.

253240. CP 58/401. 253249. CP 58/410.

253241. CP 58/402. 253250. CP 58/411.

253242. CP 58/403. 253251. CP 58/412.

253243. CP 58/404. 253252. CP 58/413.

253244. CP 58/405. 253253. CP 58/414.

253245. CP 58/406. 253254. CP 58/415.

253246. CP 58/407. 253255. CP 58/416.

253247. CP 58/408. 253256. CP 58/417.

253248. CP 58/409. 253257. CP 58/418.

253258 to 253271. CENCHRUS CILIARIS L. Poaceae. Buffelgrass.

253258. CP 58/387. 253265. CP 58/394.

253259. CP 58/388. 253266. CP 58/395.

253260. CP 58/389. 253267. CP 58/396.

253261. CP 58/390. 253268. CP 58/397.

253262. CP 58/391. 253269. CP 58/398.

253263. CP 58/392. 253270. CP 58/399.

253264. CP 58/393. 253271. CP 58/400.

253272 to 253278.

From Israel. Seeds presented by the Department of Agriculture, Soil Conservation Service, Akiria, Tel Aviv. Received Oct. 27, 1958.

253272. *HORDEUM BULBOSUM* L. Poaceae. **Bulbous barley.**
 253273. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae. **Ricegrass.**
 253274. *ORYZOPSIS HOLCIFORMIS* (Bieb.) Hack. **Ricegrass.**
 253275 and 253276. *ORYZOPSIS MILLACEA* (L.) Benth. & Hook. ex Aschers. & Schweinf. **Smilgrass.**
 253275. No. 1.
 253276. No. 2.
 253277 and 253278. *PHALARIS AQUATICA* L. **Large canarygrass.**
 253277. No. 1.
 253278. No. 2.

253279 to 253287.

From Turkey. Seeds collected from P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 28, 1958.

253279. *CENTAUREA* sp. Asteraceae.
 Col. No. K1816. Forty-nine km. east of Ankara.
 253280. *CENTAUREA* sp.
 Col. K1845. Thirty-nine km. southwest of Ankara. Plant to 30 cm. high.
 253281. *CENTAUREA* sp.
 Col. No. K1855. Six km. southeast of Polatti. Plant to six cm. high; flowers yellow.
 253282. *CENTAUREA* sp.
 Col. No. K1859. Four km. east of Sivrihisar. Flowers purple.
 253283. *DIPSACUS* sp. Dipsacaceae.
 Col. No. K1823. Seven km. northeast of Sungurlu. Plant to two meters high.
 253284. *GLAUCIUM CORNICULATUM* (L.) Curtis Papaveraceae.
 Col. No. K1809. Eleven km. east of Ankara, on road to Cerikli.
 253285. *NIGELLA* sp. Ranunculaceae.
 Col. No. K1829. Twenty-four km. northeast of Sungurlu. Plant to 50 cm. high; flowers white.
 253286 and 253287. *PAPAVER SOMNIFERUM* L. Papaveraceae. **Opium poppy.**
 253286. Col. No. K1834. Amasya bazaar. Flowers purple.
 253287. Col. No. K1835. Amasya bazaar. Seeds white.

253288. PUERARIA MIRIFICA Shaw & Sav. Fabaceae.

From Thailand. Tubers presented by the Department of Agriculture, Bangkok. Received Oct. 28, 1958.

This species may contain estrogenic acid.

253289. PINUS NIGRA Arnold Pinaceae. Austrian pine.

From Yugoslavia. Seed presented by the Agrariacoop Seed House, Zagreb. Received Oct. 28, 1958.

253290 to 253324.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 28, 1958.

253290. *AGROPYRON CANINUM* (L.) Beauv. Poaceae. **Awned wheatgrass.**

Col. No. 17443. Meadow 20 miles south of Ljubljana, Slovenia. Elevation 1,750 feet. Plants tall, spindly; culms leafy.

253291. *BOTHRIOCHLOA ISCHAEMUM* (L.) Keng Poaceae. **King's Ranch bluestem.**

Col. No. 17490. Roadside, Sara River Valley, Serbia, 45 miles west of Belgrade. Elevation 500 feet. Scattered colony; crown leafy.

- 253292 to 253294. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae. **Tall oatgrass.**

253292. Col. No. 17460. Twelve miles northwest of Ljubljana, Slovenia. Elevation 1,200 feet.

253293. Col. No. 17473. Jasenice, Slovenia. Elevation 1,900 feet. Plants to six inches high. Seeds from vigorous leafy clump.

253294. Col. No. 17476. Jasenice, Slovenia. Elevation 1,900 feet. Seeds from one clump.

253295. *ASTRAGALUS ANGUSTIFOLIUS* Lam. Fabaceae.

Col. No. 17487. Near Bijeljina, Bosnia. Perennial herb to four feet high; stems long.

- 253296 and 253297. *AVENA SATIVA* L. Poaceae. **Common oats.**

253296. Col. No. 17481. Vlasic Plannina, Bosnia. Elevation 4,000 feet. Old variety.

253297. Col. No. 17483. Mrkonjic Grad, Bosnia. Elevation 2,700 feet.

253298. *BRACHYPODIUM PINNATUM* (L.) Beauv. Poaceae. **Japanese falsebrome.**

Col. No. 17433. Predjama, Slovenia. Elevation 1,700 feet..

253299. *BROMUS RAMOSUS* Huds. Poaceae.

Col. No. 17428. Arboretum Voleji Potok, Ljubljana. Elevation 1,200 feet. Perennial, under trees.

- 253300 and 253301. *BROMUS ERECTUS* Huds. **Meadow brome.**

253300. Col. No. 17462. Bled, Slovenia. Elevation 1,700 feet. Tufted perennial on poor soil.

253301. Col. No. 17479. Jasenice, Slovenia. Elevation 1,900 feet. Hydrophytic perennial.

253302. *CYNODON DACTYLON* (L.) Pers. Poaceae. **Bermudagrass.**

Col. No. 17491. Sara River Valley, Serbia. Elevation 500 feet. Plants vigorous, coarse, large-leaved, cold-hardy forage type.

- 253303 and 253304. *DACTYLIS GLOMERATA* L. Poaceae. **Orchardgrass.**

253303. Col. No. 17442. About 25 miles south of Ljubljana, Slovenia. Elevation 1,750 feet. Cold-hardy hydrophyte.

253304. Col. No. 17477. Jasenice, Slovenia. Elevation 1,900 feet.

253305. *FESTUCA GIGANTEA* (L.) Vill. Poaceae. **Great fescue.**

Col. No. 17471. Jasenice, Slovenia. Elevation 1,900 feet. Perennial; leaves long.

253306. *FESTUCA PUNGENS* Vahl

Col. No. 17429. Arboretum Voleji Potok, Ljubljana. Elevation 1,200 feet. Ornamental.

- 253307 and 253308. *FESTUCA RUBRA* L. **Red fescue.**

253307. Col. No. 17469. Jasenice, Slovenia. Elevation 1,900 feet.

253308. Col. No. 17470. Jasenice, Slovenia. Elevation 1,900 feet. Plant leafy, leaves wire-thin, long.

253309. FESTUCA sp.

Col. No. 17434. Predjama, Slovenia. Elevation 1,700 feet. Perennial; leaves long.

253310. FESTUCA RUBRA var. HETEROPHYLLA (Lam.) Mutel Shade fescue.

Col. No. 17466. Jasenice, Slovenia. Elevation 1,900 feet.

253311. FESTUCA ARUNDINACEA Schreb. Tall fescue.

Col. No. 17468. Jasenice, Slovenia. Elevation 1,900 feet. Perennial, growing in thick mat.

253312 and 253313. HORDEUM VULGARE L. Poaceae. Common barley.

253312. Col. No. 17480. Vlasic Plannina, Bosnia. Elevation 4,000 feet. Two-rowed brewers' barley.

253313. Col. No. 17485. Mrkonjic Grad, Bosnia. Elevation 2,700 feet.

253314 to 253317. PHALARIS ARUNDINACEA L. Poaceae. Reed canarygrass.

253314. Col. No. 17439. About 25 miles south of Ljubljana, Slovenia. Elevation 1,750 feet. A vigorous colony in wet meadow lands.

253315. Col. No. 141. Slovenia.

253316. Col. No. 143. Slovenia.

253317. (No note.)

253318. TRIFOLIUM CAMPESTRE Schreb. Fabaceae. Large hop clover.

Col. No. 17422. Twenty-one miles north of Rijeka, Slovenia. Elevation 1,500 feet.

253319 to 253321. TRIFOLIUM PRATENSE L. Red clover.

253319. Col. No. 17437. Predjama, Slovenia. Elevation 1,700 feet.

253320. Col. No. 17465. Jasenice, Slovenia. Elevation 1,900 feet.

253321. Col. No. 17482. Vlasic Plannina, Bosnia. Elevation 5,000 feet.

253322 and 253323. TRIFOLIUM REPENS L. Whiteclover.

253322. Col. No. 17432. Predjama, Slovenia. Elevation 1,700 feet.

253323. Col. No. 17461. Ten miles southeast of Bled, Slovenia. Elevation 1,450 feet.

253324. TRITICUM DICOCCUM Schrank Poaceae. Emmer.

Col. No. 17484. Mrkonjic Grad, Bosnia. Elevation 2,800 feet.

253325 and 253326.

From Singapore. Plant and cuttings collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 28, 1958.

253325. GRAMMATOPHYLLUM SPECIOSUM Blume Orchidaceae. Orchid.

(Plant.)

253326. RHODODENDRON JAVANICUM (Blume) Benn. Ericaceae.

(Cuttings.)

253327 to 253331. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the British West Indies. Cuttings presented by the British West Indies Central Sugar Cane Breeding Station, Barbados. Received Oct. 30, 1958.

253327. B-52107.

253330. B-52313.

253328. B-52222.

253331. B-52321.

253329. B-52298.

253332 and 253333. PRUNUS ARMENIACA L. Amygdalaceae.**Apricot.**

From the Union of Soviet Socialist Republics. Trees collected in U.S.S.R.
Received Oct. 30, 1958.

253332. No. 1. Cultivated type.

253333. No. 2. Manchurian apricot seedling.

253334 to 253346.

From Morocco. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 30, 1958.

253334. BRACHYPODIUM DISTACHYON (L.) Beauv. Poaceae.

Purple falsebrome.

Col. No. K2030. Seventeen miles northwest of Ougda. Plants to 12 inches high.

253335. BOTHRIOCHLOA INTERMEDIA (R. Br.) A. Camus Poaceae.

Col. No. K2041. Eleven miles north of Berkane. Plant to 36 inches high.

253336. BRACHYPODIUM sp. Poaceae.

Col. No. K2028. Seventeen miles northwest of Ougda. Plants to 20 inches high.

253337. BROMUS MOLLIS L. Poaceae.

Soft chessgrass.

Col. No. K2029. Seventeen miles northwest of Ougda.

253338. LAGURUS OVATUS L. Poaceae.

Rabbittail grass.

Col. No. K2053. Five miles north of Heliua. Plants to 12 inches high.

253339. ORYZOPSIS COERULESCENS (Desf.) Hack. Poaceae.

Ricegrass.

Col. No. K2019. Twenty-eight miles southwest Ougda. Plant to 40 inches high.

253340 to 253343. ORYZOPSIS MILLACEA (L.) Benth. & Hook. ex Aschers & Schweinf. **Smilgrass.**

253340. Col. No. K2014. Eighteen miles southwest of Ougda.

253341. Col. No. K2026. Twenty-eight miles southwest of Ougda.

253342. Col. No. K2031. Seventeen miles northwest of Ougda.

253343. Col. No. K2042. Eleven miles north of Berkane.

253344. STIPA sp. Poaceae.

Col. No. K2016. Twenty-eight miles southwest of Ougda. Plants to 24 inches high.

253345 and 253346. TRIFOLIUM ANGUSTIFOLIUM L. Fabaceae.

Clover.

253345. Col. No. K2033. Seventeen miles northwest of Ougda. Plants to 12 inches high.

253346. Col. No. K2043. Eleven miles north of Berkane. Plant to eight inches high.

253347 to 253428.

From Spain and Israel. Seeds collected by P. F. Knowles, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 31, 1958.

From Spain unless otherwise noted.

253347. AVENA SATIVA L. Poaceae.

Common oats.

Col. No. 2103. Elche bazaar.

253348 and 253349. *CARTHAMUS ARBORESCENS* L. Asteraceae.

253348. Col. No. 2104. Eighteen km. northeast of Murcia on road to Alicante.

253349. Col. No. 2109. Sixteen km. north of Malaga.

253350 and 253351. *CARTHAMUS BAETICUS* Nym.

253350. Col. No. 2110. Fifteen km. north of Malaga, on Highway N-321.

253351. Col. No. 2113. Ten km. southeast of Antequera.

253352 to 253355. *CARTHAMUS GLAUCUS* Bieb.

253352. Col. No. 1970. West of Jordan River, in hills near Havat Shemuel, Israel.

253353. Col. No. 1976. One km. north of Tiberias, Sea of Galilee, Israel. Plant to 72 cm. high.

253354. Col. No. 1978. Capernaum, Sea of Galilee, Israel.

253355. Col. No. 1986. Nazareth-Tiberias highway, four km. east of Golam Intersection, Israel.

253356 to 253368. *CARTHAMUS LANATUS* L.

253356. Col. No. 2067. Outskirts of Madrid. Plants to 60 cm. high.

253357. Col. No. 2074. Four km. southeast of Cuenca, on Teruel road.

253358. Col. No. 2075. Thirty-eight km. southeast of Cuenca, on Teruel road.

253359. Col. No. 2078. Four km. north of Santa Cruz de Maya.

253360. Col. No. 2079. Ten km. southwest of Teruel.

253361. Col. No. 2085. One hundred twenty-six km. southeast of Madrid.

253362. Col. No. 2089. One km. southeast of La Roda.

253363. Col. No. 2096. Five km. east of Elche.

253364. Col. No. 2105. East of Baza.

253365. Col. No. 2106. Five km. west of Granada.

253366. Col. No. 2107. Fifty-eight km. northeast of Malaga.

253367. Col. No. 2111. Malaga Airport.

253368. Col. No. 2114. Eleven km. east of La Roda.

253369 to 253383. *CARTHAMUS TENUIS* (Boiss. & Blanche.) Bornm.

253369. Col. No. 1949. Sarafend, Tel Aviv-Jerusalem highway, Israel.

253370. Col. No. 1950. Isoova, Israel.

253371. Col. No. 1952. Jerusalem-Tel Aviv highway, Israel.

253372. Col. No. 1963. Nir Ain, Israel.

253373. Col. No. 1965. Coast highway opposite Zikim, Israel.

253374. Col. No. 1966. Coast highway, opposite Zikim, Israel. Internodes and bracts short.

253375. Col. No. 1967. Eight km. south of Beersheba, Israel.

253376. Col. No. 1968. Nevatim, east of Beersheba.

253377. Col. No. 1969. Coast highway near Shtoolim, Israel.

253378. Col. No. 1972. Two km. east of Bot Shlomo, Israel.

253379. Col. No. 1980. Bellevue Hotel, south of Nazareth, Israel.

253380. Col. No. 1987. Four km. east of Golam intersection, Nazareth-Tiberias highway, Israel.

253381. Col. No. 1989. Four km. east of Golam intersection, Nazareth-Tiberias highway, Israel.

253382. Col. No. 2005. West of Haifa, Israel.

253383. (No field number.) Two km. north of Eilabun, Israel.

- 253384 to 253396. *CARTHAMUS TINCTORIUS* L. Safflower.
 253384. Col. No. 1962. Abu-Ghosh, 14 km. west of Jerusalem, Israel. Spineless.
 253385. Col. No. 1983. Nazareth, Israel. Plant to 70 cm. high.
 253386. Col. No. 1984. Reina, northeast of Nazareth, Israel. Plants to 60 cm. high.
 253387. Col. No. 1985. Kafer Kana, northeast of Nazareth, Israel. Plants to 60 cm. high.
 253388 to 253391. Jefatura Agronomica, Cuenca.
 253388. Col. No. 2068.
 253389. Col. No. 2069.
 253390. Col. No. 2070.
 253391. Col. No. 2071. Plants to 40 cm. high; heads one cm. in diameter; flowers orange.
 253392. Col. No. 2072. Ademuz, 45 km. south of Teruel.
 253393. Col. No. 2073. Santa Cruz de Maya.
 253394. Col. No. 2090. Alicante seed store.
 253395. Col. No. 2097. Elche seed store.
 253396. Col. No. 2098. Elche seed store.
 253397. *CARTHAMUS* sp.
 Col. No. 1998. West of Safed, Israel.
 253398. *CARTHAMUS* sp.
 Col. No. 1999. Four km. west of Safed, Israel.
 253399. *CARTHAMUS* sp.
 Col. No. 2000. Ten km. west of Safed, Israel.
 253400. *CARTHAMUS* sp.
 Col. No. 2001. Fifteen km. west of Safed, Israel.
 253401. *CARTHAMUS* sp.
 Col. No. 2002. Nineteen km. west of Safed, Israel.
 253402. *CARTHAMUS* sp.
 Col. No. 2003. Near Pekiin, Israel.
 253403. *CARTHAMUS* sp.
 Col. No. 2004. Ben Ami, Israel. Bracts appear slightly shorter and wider than typical *C. tenuis*.
 253404. *CARTHAMUS* (hybrid).
 Col. No. 1988. Nazareth-Tiberias highway, four km. east of Golam intersection, Israel.
 253405. *CARTHAMUS* (hybrid).
 Col. No. 1991. Two km. north of Eilabun, Israel.
 253406. *CARTHAMUS* (hybrid).
 Col. No. 1992. Two km. north of Eilabun, Israel.
 253407. *CARTHAMUS* (hybrid).
 Col. No. 1993. Two km. north of Eilabun, Israel.
 253408. *CARTHAMUS* (hybrid).
 Col. No. 1994. North of Merar, Israel.
 253409 and 253410. *DACTYLIS GLOMERATA* L. Orchardgrass.
 253409. Col. No. K1954. Watchtower near Har'el, Israel.
 253410. Col. No. K1959. Below Hadassa Hospital, west of Jerusalem, Israel.

- 253411 to 253413. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby
 253411. Col. No. K1997. East of Safed, Israel. Plants to 24 inches high.
 253412. Col. No. K2077. Twenty-six miles southeast of Cuenca, Teruel road.
 253413. Col. No. K2082. Twelve miles southwest of Teruel. Plants to 18 inches high.
- 253414 to 253418. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**
 253414. Col. No. K1961. Jerusalem market, Israel.
 253415. Col. No. K1982. Nazareth bazaar, Israel.
 253416. Col. No. K2088. Sixty miles southeast of Madrid, Valencia road.
 253417. Col. No. K2091. Alicante seed store.
 253418. Col. No. K2102. Elche seed store.
253419. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**
 Col. No. K2087. Seventy-eight miles southeast of Madrid on Valencia road.
253420. *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**
 Col. No. K2084. Twelve miles southwest of Teruel.
253421. *PANICUM MILIACEUM* L. Poaceae. **Proso millet.**
 Col. No. K2092. Alicante seed store.
253422. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**
 Col. No. K1977. One mile north of Tiberias, Sea of Galilee, Israel.
- 253423 and 253424. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
 253423. Col. No. K1960. Jerusalem market, Israel.
 253424. Col. No. K1981. Nazareth bazaar, Israel.
253425. *VICIA FABA* L. Fabaceae. **Broadbean.**
 Col. No. K2094. Alicante seed store.
- 253426 and 253427. *VICIA SATIVA* L. **Common vetch.**
 253426. Col. No. K2093. Alicante seed store.
 253427. Col. No. K2100. Elche seed store.
253428. *VIGNA SINENSIS* (Torner) Savi Fabaceae. **Common cowpea.**
 Col. No. K2099. Elche seed store.
253429. *FRAGARIA CHILOENSIS* Duchesne Rosaceae. **Chiloe strawberry.**
 From Great Britain. Plants presented by the Scottish Horticultural Research Institute, Mylnefield, Invergowrie, by Dundee, Scotland. Received Nov. 3, 1958.
 'Auchincruive No. 11'; 'Ananassa'.
- 253430 to 253462.
 From Yugoslavia and Italy. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received No. 3, 1958.
 Collected in Yugoslavia unless otherwise noted.
253430. *AGROPYRON INTERMEDIUM* (Host) Beauv. Poaceae. **Intermediate wheatgrass.**
 Col. No. 17445. Koper, Slovenia. Elevation 60 feet. Tall, caney perennial.
253431. *AGROPYRON REPENS* (L.) Beauv.
 Col. No. 17472. Jasenice, Slovenia. Elevation 1,900 feet. Perennial.

253432. *AMPELODESMA MAURITANICA* (Poir.) Dur. & Schinz Poaceae.

Col. No. 17526. Thirty miles northeast of Rome, Italy. Large, coarse, harsh, unpalatable, xerophytic bunch grass.

253433. *ANTHYLLIS VULNERARIA* L. Fabaceae.

Kidneyvetch.

Col. No. 17456. Twelve miles northwest of Ljubljana, Slovenia. Perennial to 15 inches high.

253434. *ASTRAGALUS* sp. Fabaceae.

Col. No. 17464. Dry meadow slope, 10 miles southeast of Bled, Slovenia. Elevation 1,450 feet. Plants spreading, decumbent, leafy.

253435. *CORONILLA* sp. Fabaceae.

Col. No. 17450. Dry slope, Koper, Slovenia. Elevation 100 feet. Fine-stemmed leafy perennial to three feet high.

253436. *TRisetum FLAVESCENS* (L.) Beauv. Poaceae.

Col. No. 17458. Twelve miles northwest of Ljubljana, Slovenia. Elevation 1,200 feet. Perennial; crown and culms leafy.

253437. *DORYCNium GERMANICUM* Rouy Fabaceae.

Col. No. 17431. Predjama, Slovenia. Elevation 1,700 feet. Erect, caespitose perennial to one foot high; flowers white; aromatic. Used for ground cover.

253438. *FESTUCA ARUNDINACEA* Schreb. Poaceae.

Tall fescue.

Col. No. 17467. Jasenice, Slovenia. Elevation 1,900 feet.

253439. *LATHYRUS* sp. Fabaceae.

Col. No. 17441. Twenty-five miles south of Ljubljana, Slovenia. Elevation 1,750 feet. Hardy hydrophytic perennial; flowers yellow.

253440. *LOTUS CORNICULATUS* var. *CILIATUS* (Tenore) C. Koch Fabaceae.
Birdsfoot trefoil.

Col. No. 17440. Twenty-five miles south of Ljubljana, Slovenia. Hardy, self-seeding perennial.

253441 and 253442. *LOTUS PEDUNCULATUS* Cav.

Big trefoil.

253441. Col. No. 17423. Ljubljana, Slovenia. Elevation 1,000 feet. Perennial to three feet high.

253442. Col. No. 17493. From Agricultural Instituto, Banja Luka, Bosnia.

253443. *MEDICAGO FALCATA* L. Fabaceae.

Yellow-flowered alfalfa.

Col. No. 17438. Predjama, Slovenia. Elevation 1,700 feet. Decumbent perennial.

253444. *MEDICAGO SATIVA* L.

Alfalfa.

Col. No. 17447. Koper, Slovenia. Elevation 100 feet. Caespitose xerophytic perennial; flowers coppery green to yellow.

253445. *MEDICAGO FALCATA* L.

Yellow-flowered alfalfa.

Col. No. 17463. Ten miles southeast of Bled, Slovenia. Elevation 1,450 feet. Spreading perennial.

253446. *MEDICAGO CARSTIENSIS* Wulf.

Medic.

Col. No. 17419. University Botanical Garden, Ljubljana, Slovenia. Elevation 1,000 feet. A hardy, drought-resistant, rhizomatous perennial; stems leafy, erect, to two feet high. Endemic to the Karst area.

253447. *MEDICAGO LUPULINA* L.

Black medic.

Col. No. 17425. Ljubljana, Slovenia. Elevation 1,000 feet.

253448. *MEDICAGO MUREX* Willd.

Col. No. 17427. University Botanical Garden, Ljubljana, Slovenia. Biennial with several leafy stems; decumbent at maturity.

253449 and 253450. *MEDICAGO PIRONAE* Vis.

Medic.

253449. Col. No. 17430. University Botanical Garden, Ljubljana, Slovenia. Elevation 1,000 feet. Hardy and long-lived rhizomatous perennial, forming a small rounded bush to 15 inches high.

253450. Col. No. 17452. Sveta Gora near Gorica, Slovenia. Elevation 1,700 feet. Rhizomatous perennial forming wide-spreading thickets.

253451. *MEDICAGO SATIVA* L.

Alfalfa.

Col. No. 17455. Rocky ground near Gorica, Slovenia. Elevation 1,700 feet. Spontaneous.

253452. *MEDICAGO* sp.

Col. No. 17451. Bluff above the beach, Koper, Slovenia. Elevation 15 feet. Spontaneous.

253453. *MELICA CILIATA* L. Poaceae.

Col. No. 17435. Rocky slopes, Predjama, Slovenia. Elevation 1,700 feet. Ornamental perennial grass.

253454. *MELILOTUS ALBA* Desr. Fabaceae.

White sweetclover.

Col. No. 17489. Sava River Valley, Serbia. Elevation 500 feet.

253455. *POA* sp. Poaceae.

Col. No. 17364. Kupres Valley, Bosnia. Elevation 3,800 feet. Perennial; leaves long, tender, wiry.

253456. *SANGUISORBA* sp. Rosaceae.

Col. No. 17449. Along dry slope, Koper, Slovenia. Elevation 50 feet. Perennial.

253457. *SESBANIA* sp. Fabaceae.

Col. No. 17420. Fourteen miles east of Rijeka. Elevation 3,000 feet. Small, leafy perennial; stems to 15 inches.

253458. *TETRAGONOLOBUS SILIQUOSUS* (L.) Roth Fabaceae.

Col. No. 17478. Jasenice, Slovenia. Elevation 1,900 feet. Perennial; stems decumbent.

253459. *VICIA* sp. Fabaceae.

Col. No. 17421. Twenty miles north of Rijeka, Slovenia. Elevation 1,500 feet. Fine-leaved perennial bush.

253460. *VICIA* sp.

Col. No. 17424. Ljubljana, Slovenia. Elevation 1,000 feet.

253461. *VICIA* sp.

Col. No. 17436. Predjama, Slovenia. Elevation 1,700 feet. Erect, leafy, glaucous perennial to three feet high.

253462. *VICIA* sp.

Col. No. 17475. Jasenice, Slovenia. Elevation 1,900 feet. Climbing annual; flowers purple.

253463 to 253466.

From Israel, Morocco, Portugal and Spain. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 5, 1958.

253463. *ALLIUM* sp. Liliaceae.

Col. No. K1971. Hills west of Jordan River, near Havat Shemuel, Israel. Plant to 30 inches high.

253464. *ALLIUM* sp.

Col. No. K2013. Five miles southwest of Ougda, Morocco. Plants to 15 inches high.

253465. *ALLIUM* sp.

Col. No. K2118. Six miles north of Ferreira do Alentejo, Portugal. Plant to 30 inches high.

253466. *CICER ARIETINUM* L. Fabaceae.

Chickpea.

Col. No. K2095. Seed store, Alicante, Spain.

253467 to 253470.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received November 5, 1958.

253467 and 253468. *LACTUCA SERRIOLA* L. Cichoriaceae.

253467. Col. No. 17448. Koper, Slovenia. Elevation 50 feet.

253468. Col. No. 17457. Twelve miles northwest of Ljubljana, Slovenia. Elevation 1,200 feet.

253469. *PHYSALIS* sp. Solanaceae.

Col. No. 17486. Near Bijeljina, Bosnia. Herb with bright orange calyces.

253470. *PRUNUS* sp. Amygdalaceae.

Col. No. 17453. Dry rocky mountains near Gorica, Slovenia. Elevation 1,700 feet. Shrub.

253471 to 253473.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received November 5, 1958.

253471. *CARTHAMUS OXYACANTHA* Bieb. Asteraceae.253472 and 253473. *SESAMUM INDICUM* L. Pedaliaceae.

Sesame.

253472. N. P. 3.

253473. N. P. 6.

253474. *CARYOTA URENS* L. Phoenicaceae.

Toddy palm.

From Brazil. Plants collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received November 5, 1958.

Col. No. 18507. Instituto Botanico, Campinas, Sao Paulo. Collected in March 1958. Tree to 50 feet high with dense fronds: fruits dark brown, clustered.

253475 to 253478. *SIMMONDSIA CHINENSIS* (Link) C. Schneid.

Buxaceae. Jojoba.

From Mexico and the United States. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 6, 1958.

From Baja California, Mexico, unless otherwise indicated.

253475. Col. No. 16376. 'Aguanga'. Shrub symmetrical. 1.7 meters high by 2.5 meters broad; second growth following fire, 30 years old; leaves large, numerous; flowers at every node; seeds from one plant.

253476. Col. No. 16749. 'Santo Toms'. Low, bushy shrub with short twigs; seeds from a local population having 10 to 20% of their capsules in clusters.

253477. Col. No. 16820. Camp Creek, Arizona. Shrub to 2.5 meters high; capsules large, one-seeded freely dehiscent when mature; seeds from one plant.

253478. Col. No. 16830. Camp Creek, Arizona. Shrub to 2.3 meters high; new shoots flowering at every node; capsules few, elliptic, smooth, large freely splitting; seeds russet colored.

253479 to 253488.

From Turkey, Spain, and Morocco. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 6, 1958.

253479. *CENTAUREA* sp. Asteraceae.

Col. No. K1818. Forty-nine km. east of Ankara, Turkey.

253480. *CENTAUREA* sp.

Col. No. K2010. Eight km. southwest of Ougda, Morocco. Plants to 22.5 cm. high.

253481. *CENTAUREA* sp.

Col. No. K2011. Eight km. southwest of Ougda, Morocco.

253482. *CENTAUREA* sp.

Col. No. K2023. Ten km. northeast of Ougda, Morocco.

253483. *CENTAUREA* sp.

Col. No. K2024. Ten km. northeast of Ougda, Morocco. Plants to 60 cm. high.

253484. *CENTAUREA* sp.

Col. No. K2035. Twenty-seven km. northwest of Ougda, Morocco.

253485. *CENTAUREA* sp.

Col. No. K2036. Twenty-seven km. northwest of Ougda, Morocco. Plant six dm. high.

253486. *CENTAUREA* sp.

Col. No. K2076. Thirty-eight km. southeast of Cuenca, Tervel road, Spain. Plants to four dm. high.

253487. *IRIS RETICULATA* Bieb. Iridaceae,

Col. No. K2018. Forty-three km. southwest of Ougda, Morocco. Plants to three dm. high.

253488. *XERANTHEMUM ANNUUM* L. Asteraceae.

Col. No. 1828. Twenty-four km. northeast of Sungurlu, Turkey. Plants to 30 cm. high; bracts purple.

253489 to 253493.

From Italy, Austria, and Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 6, 1958.

253489. *CERASTIUM* sp. Silenaceae.

Col. No. 17534. Terminillo, Italy. Elevation 5,200 feet. Perennial forming dense matlike cover suitable for holding bank.

253490. *HYOSCYAMUS NIGER* L. Solanaceae.

Col. No. 17541. Terminillo, Italy. Elevation 5,200 feet. Perennial to four feet high.

253491. *SAPONARIA OFFICINALIS* L. Silenaceae.

Bouncing-bet.

Col. No. 17566. River Amo, Florence, Italy. Perennial rhizomatous herb to one foot high; flowers lavender, in panicles.

253492. *SORBUS* sp. Malaceae.

Col. No. 17518. Along highway, near Eisenerz, Austria. Elevation 1,200 feet. Ornamental tree; berries bright orange-red.

253493. (Undetermined.) Menthaceae.

Col. No. 17474. Jasenice, Slovenia, Yugoslavia. Elevation 1,900 feet. Perennial herb forming a matlike cover on higher ground. Hardy.

253494 to 253499. *SETARIA ITALICA* (L.) Beauv. Poaceae. Foxtail millet.

From India and Afghanistan. Selections made at the Regional Plant Introduction Station, Ames, Iowa. Numbered Nov. 6, 1958.

From mixtures received in 1951 and 1954.

253494. Selection from P. I. 198153, from India, 1951.

253495. Selection from P. I. 220024, from Afghanistan, 1954.

253496. Selection from P. I. 220392, from Afghanistan, 1954.

253497. Selection from P. I. 220535, from Afghanistan, 1954.

253498. Selection from P. I. 220536, from Afghanistan, 1954.

253499. Selection from P. I. 220812, from Afghanistan, 1954.

253500. *CUCUMIS SATIVUS* L. Cucurbitaceae. Cucumber.

From Pakistan. Seeds presented by the Military Assistance Advisory Group, Army Training Mission, Pakistan. Received Nov. 6, 1958.

'Kabul'. Grown around Jalalabad, Afghanistan.

253501 to 253585.

From Europe and Asia. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 6, 1958.

Localities given are places where collected.

253501. *AVENA* sp. Poaceae.

Col. No. K1990. Nazareth-Tiberias highway, 4.1 km. east of Golam intersection, Israel. Heads may be resistant to shattering.

253502. *BRACHYPODIUM* sp. Poaceae.

Col. No. K1957. Below Hadassa Hospital, west of Jerusalem, Israel.

253503. *BRACHYPODIUM PHOENICOIDES* (L.) Roem. & Schult.

Col. No. K2081. Twenty km. southwest of Teruel, Spain. Plants to eight dm. high; abundant.

253504. *BROMUS MACROSTACHYS* Desf. Poaceae. Mediterranean brome.

Col. No. K1951. Isoova, Israel.

253505. *BROMUS SCOPARIS* L.

Col. No. K1964. Nir Am, Israel.

253506 to 253509. *CARTHAMUS LANATUS* L. Asteraceae.

253506. Col. No. K2115. North of Seville, Spain, Merida road.

253507. Col. No. K2116. Forty-nine km. east of Beja, Portugal.

253508. Col. No. K2117. Ten km. north of Ferreira do Alentejo, Portugal.

253509. Col. No. K2121. Estacao Agronomica Nacional, Sacavem, Portugal.

253510 to 253571. *CARTHAMUS TINCTORIUS* L. Safflower.

253510 to 252517. From Germany botanic gardens.

253510. Col. No. K2122. Kassel, Bosetr.

253511. Col. No. K2123. Johannes Gutenberg University, Mainz.

253512. Col. No. K2124. Friedrich-Schiller University, Jena.

253513. Col. No. K2125. Eberswalde.

253514. Col. No. K2126. Marburg/L.

253515. Col. No. K2127. Technical High School, Dresden.

253516. Col. No. K2128. Wurzburg.

253517. Col. No. K2129. Klagenfurt.

253518 to 253520. From Austrian botanic gardens.

253518. Col. No. K2130. Graz, Holt Eigasse 6.

253519. Col. No. K2131. High School, Vienna.

253520. Col. No. K2132. Vienna.

253521 to 253524. From Italy botanic gardens.

253521. Col. No. K2133. Rome.

253522. Col. No. K2134. Turin.

253523. Col. No. K2135. Modena.

253524. Col. No. K2136. Trieste.

253525. Col. No. K2137. Hanbury Botanic Garden, Geneva, Switzerland.

253526. Col. No. K2138. Villa Taranto Garden, Lake Maggiore, Italy.

253527 to 253530. From France.

253527. Col. No. K2139. Botanic Garden, Rouen.

253528. Col. No. K2140. Natural History Museum, Paris.

253529. Col. No. K2141. Botanic Garden, Nancy.

253530. Col. No. K2142. Botanic Garden, Dijon.

253531. Col. No. K2143. Sofia, Bulgaria.

253532. Col. No. K2144. Botanic Garden, Kontor Arhus, Denmark.

253533. Col. No. K2145. Botanic Garden, Barcelona, Spain.

253534. Col. No. K2146. Utrecht, Netherlands.

253535. Col. No. K2147. Royal Botanic Gardens, Kew, England.

253536. Col. No. K2148. Urbino, Italy.

253537. Col. No. K2149. Botanic Garden, Nanking, China.

253538. Col. No. K2150. Botanic Garden, Erevan, Armenia.

253539 to 253542. From Hungary.

253539. Col. No. K2151. Botanic Garden, Peos.

253540. Col. No. K2152. Botanic Garden, Szeged.

253541. Col. No. K2153. Agronomy Station, Budapest.

253542. Col. No. K2154. Botanical Academy of Science, Vacratot.

253543 to 253546. From Poland.

253543. Col. No. K2155. Botanic Garden, Bydgoszcz.

253544. Col. No. K2156. Botanic Garden, Lodz.

253545. Col. No. K2157. Pharmaceutical Garden, Stalingradzka.

253546. Col. No. K2158. Botanic Garden, Krakow.

253547. Col. No. K2159. Botanic Garden, Kamenetz, Soviet Union.

253548. Col. No. K2160. Botanic Garden, Copenhagen, Denmark.

253549 to 253559. From Estacao Agronomica Nacional, Sacavem, Portugal.

253549. Col. No. K2161.

253550. Col. No. K2162.

253551. Col. No. K2163.

253552. Col. No. K2164.

253553. Col. No. K2165.

253554. Col. No. K2166.

253555. Col. No. K2167.

253556. Col. No. K2168.

253557. Col. No. K2169.
253558. Col. No. K2170.
253559. Col. No. K2171.
253560. Col. No. K2172. Service de la Recherche Agronomique et de l'Experimentation Agricole, Rabat, Morocco.
253561. Col. No. K2173. Botanic Garden, Geneva, Switzerland.
- 253562 to 253571. From Portugal.
253562. Col. No. K2174. Estacao Agronomica, Sacavem.
253563. Col. No. K2175. Antonio de Sousa Padeiro, Tavira.
253564. Col. No. K2176. Near Sao Braz de Alportel Province of Algarve. Plant to 30 cm. high; spines reduced on upper leaves and bracts; flowers red.
253565. Col. No. K2177. Tavira, Province of Algarve, near Conceicao. Plant spineless; flowers red; rust on leaves.
253566. Col. No. K2178. Tavira, Province of Algarve, near Conceicao. Spines reduced on upper leaves and bracts, flowers red. Rust present.
253567. Col. No. K2179. Near Tavira, Province of Algarve. Plants with very few spines; flowers red.
253568. Col. No. K2180. Near Conceicao and Tavira, Province of Algarve. Plants spineless; bracts short, rounded.
253569. Col. No. K2181. Tavira, Province of Algarve.
253570. Col. No. K2182. Estacao Agronomica Nacional, Sacavem, Province of Algarve.
253571. Col. No. K2183. Estacao Agronomica Nacional, Sacavem, Algarve Province. Plant spineless; bracts short; flowers red.
253572. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby Poaceae.
- Col. No. K2119. Ten km. north of Ferreira do Alentejo, Portugal. Plant to 30 cm. high.
253573. *HORDEUM SPONTANEUM* C. Koch Poaceae.
- Col. No. K1958. Below Hadassa Hospital, west of Jerusalem, Israel.
253574. *HORDEUM VULGARE* L. Common barley.
- Col. No. K1979. Capernaum, Sea of Galilee, Israel. Plant to 45 cm. high.
- 253575 and 253576. *ORYZOPSIS COERULESCENS* (Desf.) Hack. Poaceae. Ricegrass.
253575. Col. No. K1953. Watchtower, Har'el, Israel.
253576. Col. No. K1996. East of Safed, Israel. Plant to seven dm. high.
- 253577 and 253578. *ORYZOPSIS MILLACEA* (L.) Benth. & Hook, ex Aschers. & Schweinf. Smilgrass.
253577. Col. No. K1948. East of Santa Sofya Museum, Istanbul, Turkey. Plant to five dm. high.
253578. Col. No. K1955. Watchtower, Har'el, Israel.
253579. *PHALARIS PARADOXA* L. Poaceae. Hood canarygrass.
- Col. No. K1973. One km. north of Biberias, Sea of Galilee, Israel.
253580. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
- Col. No. K2083. Twenty km. southwest of Teruel, Spain. Plant to six dm. high.
253581. *STIPA BROMOIDES* (L.) Beck Poaceae.
- Col. No. K1956. Near Ramat-Raziel, Israel.
253582. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. Berseem clover.
- Col. No. K2101. Seed store, Elche, Spain.

253583. *TRIFOLIUM PRATENSE* L.

Red clover.

Col. No. K2086. Valencia road, 126 km. southeast of Madrid, Spain.

253584. *TRIFOLIUM PURPUREUM* Loisel.

Col. No. K1974. One km. north of Tiberias, Sea of Galilee, Israel.

253585. *TRIFOLIUM ANGUSTIFOLIUM* L.

Clover.

Col. No. K2120. Ten km. north of Ferreira do Alentejo, Portugal. Probably not palatable.

253586. *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.

Chiloe strawberry.

From Greece. Plants presented by the United States Embassy, Athens. Received November 7, 1958.

'Ananassa'. Grown at the State Seed Testing Station, Halandri, Attica.

253587 to 253621.

From Morocco. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 10, 1958.

253587 to 253589. *CARTHAMUS BAETICUS* Nym. Asteraceae.

253587. Col. No. K2052. Six km. south of Melilla.

253588. Col. No. K2054. Ten km. north of Melilla.

253589. Col. No. K2063. Below dam at Bin el Ouidane. Plant to seven dm. high.

253590 to 253593. *CARTHAMUS CAERULEUS* L.

253590. Col. No. K2007. Nursery at Institut Scientifique, Cherifien, Rabat.

253591. Col. No. K2087. Twenty-seven km. northwest of Ougda. Plant to 20 cm. high.

253592. Col. No. K2046. Seven km. northwest of Berkane. Plant to 20 cm. high.

253593. Col. No. K2049. Thirty-seven km. southeast of Melilla.

253594 to 253608. *CARTHAMUS LANATUS* L.

253594. Col. No. K2006. Institut Scientifique, Cerifien, Rabat.

253595. Col. No. K2008. Seven km. southwest of Ougda.

253596. Col. No. K2009. Five km. southwest of Ougda.

253597. Col. No. K2021. Forty-three km. southwest of Ougda.

253598. Col. No. K2025. Ten km. northeast of Ougda. Plant to 40 cm. high.

253599. Col. No. K2038. Algerian border, three km. north of Ahfiri.

253600. Col. No. K2047. Twenty km. west of Berkane.

253601. Col. No. K2055. Fifty-eight km. southwest of Nadar.

253602. Col. No. K2056. Eighty km. west of Ougda.

253603. Col. No. K2057. St. Jean de Fedala, main Casablanca-Rabat road.

253604. Col. No. K2060. Main Casablanca-Oued Zem road.

253605. Col. No. K2062. Main Bin el Ouidane road. Plant to 30 cm. high.

253606. Col. No. K2064. Two km. southwest and above dam, Bin el Ouidane.

253607. Col. No. K2065. Three km. west of Sidi Slunane.

253608. Col. No. K2066. Main S. Kacem-Meknes road.

253609. *CARTHAMUS* sp.

Col. No. K2045. Fifteen km. north of Berkane. Plant to 20 cm. high.

253610. *CARTHAMUS* sp.

Col. No. K2050. Fifteen km. southeast of Nador. Plants with long involucre bracts; heads somewhat clumped.

253611. *CYNARA* sp. Asteraceae.

Col. No. K2058. St. Jean de Fedala, Main Casablanca-Rabat road. Plants to 26 cm. high; head large.

253612 to 253615. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.

253612. Col. No. K2015. Twenty-nine km. southwest of Ougda. Plants to eight dm. high.

253613. Col. No. K2017. Forty-three km. southwest of Ougda. Plants to seven dm. high.

253614. Col. No. K2032. Twenty-seven km. northwest of Ougda. Plants to 12 dm. high.

253615. Col. No. K2048. Seven km. west of Safsaf. Plants to four dm. high.

253616. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby

Col. No. K2059. Oued Nfiikh and main Casablanca-Rabat road. Plants to eight dm. high; heads large.

253617 and 253618. *EBENUS PINNATA* Ait. Fabaceae.

253617. Col. No. K2012. Pine grove eight km. southwest of Ougda.

253618. Col. No. K2027. Twenty-seven km. northwest of Ougda. Plants to 18 dm. high.

253619. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

Col. No. K2044. Fifteen km. north of Berkane.

253620 and 253621. *RICINUS COMMUNIS* L. Euphorbiaceae.

Castorbean.

253620. Col. No. K2039. One km. west of Saidia.

253621. Col. No. K2040. Eighteen km. north of Berkane.

253622 to 253628. *CHENOPODIUM QUINOA* Willd.

Chenopodiaceae. Quinoa.

From Peru. Seeds presented by the United States Operations Mission, Lima. Received Nov. 10, 1958.

253622. 'Amarilla de Puno'.

253623. 'Blanca de Junin'.

253624. 'Blanca de Puno'.

253625. 'Concolla de Puno'.

253626. 'Real de Puno'.

253627. 'Rosada de Apurimac'.

253628. 'Rosada de Junin'.

253629 to 253646. *SORGHUM BICOLOR* (L.) Moench Poaceae.

From India. Seeds presented by the Rockefeller Foundation, New Delhi. Received Nov. 10, 1958.

253629. I.S. No. 1001. Gund. 13 S. A. 6462.

253630. I.S. No. 1002. Gund. 16 S. A. 6463.

253631. I.S. No. 1003. Gund. 28 S. A. 6466.

253632. I.S. No. 1004. Gund. 34 Rabi S. A. 6468 (1948).

253633. I.S. No. 1005. Gund. 34 Rabi S. A. 6478.

253634. I.S. No. 1006. Gund. 3 S. A. 6480.

- 253635. I.S. No. 1007. Gund. 5 India S. A. 6460-54.
- 253636. I.S. No. 1146. G.I. A.P. India.
- 253637. I.S. No. 1148. G.4. A.P. India.
- 253638. I.S. No. 1151. Aispuri. Bombay.
- 253639. I.S. No. 1152. Satpani. Bombay.
- 253640. I.S. No. 1808. Texas 660 (P.P.-Caprock). Texas.
- 253641. I.S. No. 1809. Nebraska R.S. 501. Nebraska.
- 253642. I.S. No. 1810. Dekalb 50A. Texas.
- 253643. I.S. No. 1812. Dekalb F56A. Texas.
- 253644. I.S. No. 2177. K-2. Cholam.
- 253645. I.S. No. 2178. K-3. Cholam.
- 253646. I.S. No. 2179. Co. 19. Cholam.

253647 to 253649. PRUNUS MAHALEB L. Amygdalaceae. Mahaleb cherry.

From Turkey. Seeds presented by T. C. Ziraat, Vekaleti, Ankara.
Received Nov. 10, 1958.

- 253647. 'Idris'. Arifiye, Kocaeli Province.
- 253648. 'Sivah Mahaleb'. Horticultural Station, Tokat Province.
- 253649. 'Yellow Mahaleb'. Horticultural Station, Tokat Province.

253650 to 253666. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From the Peoples Republic of China. Seeds collected by the Foreign Agricultural Service of the United States from steamships as indicated. Received Nov. 12, 1958.

- 253650. No. 1. SS Annenkirk.
- 253651. No. 2. SS Breconshire.
- 253652. No. 3. SS Farmsun.
- 253653. No. 4. SS Farmsun.
- 253654. No. 5. SS Glenfruin.
- 253655. No. 6. SS Glenfruin.
- 253656. No. 7. SS Glenfruin.
- 253657. No. 8. SS Glenfruin.
- 253658. No. 9. SS Greenwich.
- 253659. No. 10. SS Guchearn.
- 253660. No. 11. SS Moonie.
- 253661. No. 12. SS R. C. Rickmers.
- 253662. No. 13. SS Salmara.
- 253663. No. 14. SS Salmara.
- 253664. No. 15. SS Shanghai.
- 253665. No. 16. SS Telania.
- 253666. No. 17. SS Tungaha.

253667 to 253695.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, Hants, England. Received Nov. 14, 1958.

- 253667 and 253668. ABIES CONCOLOR (Gord.) Hoopes Pinaceae. **White fir.**
- 253667. 'Candicans Prostrata'.
- 253668. 'Globe Compacta'.

253669. *ABIES DELAVAYI* Franch. Fir.
253670. *ABIES FORRESTII* Craib Fir.
253671. *ABIES LASIOCARPA* (Hook.) Nutt. Fir.
A compact form.
253672. *ABIES LASIOCARPA* var. *ARIZONICA* (Merriam) Lemm. Fir.
'Nana Compacta'.
253673. *ABIES PROCERA* Reder Noble fir
'Glauca Prostrate'.
253674. *ABIES SQUAMATA* Masters Fir.
253675. *ABIES* × *VILMORINII* Masters ex Bean Fir.
(*A. cephalonica* × *A. pinsapo*).
253676. *ATHROTAXIS SELAGINOIDES* D. Don Pinaceae.
253677. *COTONEASTER HORIZONTALIS* Decaisne Malaceae. Rock cotoneaster.
'Variegata'.
253678. *COTONEASTER* sp.
253679. *CUPRESSUS MACROCARPA* Hartw. Pinaceae.
'Pendula'.
253680. *CUPRESSUS TORTULOSA* D. Don Bhutan cypress.
'Majestic'.
253681. *ILEX CRENATA* var. *NUMMULARIA* (Franch. & Sav.) Yatabe Aquifoliaceae. Holly.
253682. *JUNIPERUS COMMUNIS* L. Pinaceae. Common juniper.
'Echinaeformia'.
253683. *JUNIPERUS VIRGINIANA* L. Eastern redcedar.
'Pendula Nana'.
253684. *LIBOCEDRUS BIDWILLII* Hook. f. Pinaceae.
253685. *LIBOCEDRUS DONNIANA* Endl.
- 253686 and 253687. *PICEA ABIES* (L.) Karst. Pinaceae. Norway spruce.
253686. 'Excelsa Filicoides'.
253687. 'Gregoryana Parsonii'.
253688. *PICEA BREWERIANA* S. Wats. Weeping spruce.
253689. *PICEA GLAUCA* (Moench.) Voss. White spruce.
'Coerulea'.
253690. *PINUS GERARDIANA* Wall. Pinaceae. Pine.
253691. *PINUS* × *HOLFORDIANA* A. B. Jackson Pine.
(*P. ayacahuite* × *P. griffithii*).
253692. *PINUS STROBUS* L. Eastern white pine.
'Prostrate'.
253693. *PINUS SYLVESTRIS* L. Scotch pine.
'Cholla'.
253694. *PSEUDOTSUGA JAPONICA* (Shiras.) Beiss. Pinaceae. Japanese Douglas-fir.
253695. *PSEUDOTSUGA MENZIESII* (Mirb.) Franco Douglas-fir.
'Fretsii'.

253696 and 253697. Gossypium (hybrids). Malvaceae. Cotton.

From the Republic of the Sudan. Seeds presented by Dr. T. Dark, Shambat, Khartoum. Received Oct. 14, 1958.

253696. BAR 7/6.

253697. BAR 15/1.

253698. Theobroma cacao L. Sterculiaceae. Cacao.

From Ghana. Budsticks presented by the West African Cocoa Research Institute, Tafo. Received Nov. 12, 1958.

Reported resistant to *Phytophthora* spp.

253699 to 253702. Rhododendron (hybrids). Ericaceae.

From Great Britain. Plants presented by Waterer Sons & Crisp, Ltd., Bagshot, Surrey, England. Received Nov. 13, 1958.

253699. 'Golden Hind'.

253700. 'Quaker Maid'.

253701. 'Royal Ruby'.

253702. 'Twilight Sky'.

253703 to 253710.

From Mexico. Tubers collected by J. G. Hawkes, Birmingham University, England, Plant Collection Expedition to Mexico. Received Nov. 17, 1958.

253703. *Solanum bulbocastanum* Dun. Solanaceae.

Col. No. 1590. Near Oaxaca, Cerro San Felipe, Oaxaca.

253704 to 253710. *Solanum tuberosum* L.

Potato.

253704. Col. No. 1303. 'Vallera'. Bought at Vergel, Chihuahua. Reported-ly grown in Vergel for years.

253705. Col. No. 1304. 'Chirulera'. Flowers white.

253706. Col. No. 1305. 'Chata'. Flowers purple.

253707. Col. No. 1534. Uruspan, Michoacan.

253708. Col. No. 1550. North slope of Nevado de Colima Sayulapa, Jalisco.

253709. Col. No. 1600. Market, Toluca, Mexico. Elevation 2,800 meters. Reportedly grown in San Juan de las Huertas.

253710. Col. No. 1670. Near Presa Pinta about three km. from Venta, Queretaro. Elevation 1,950 meters.

253711 and 253712. Solanum muricatum Ait. Solanaceae.

Pepino.

From Peru. Seeds presented by the United States Operations Mission, Lima. Received Nov. 17, 1958.

253711. 'Pepino Dulce'. Tubers large, white.

253712. 'Pepino Dulce'. Tubers round, white. Usually propagated from cuttings.

253713. Solanum muricatum Ait. Solanaceae.

Pepino.

From Chile. Seeds presented by the United States Operations Mission, Santiago. Received Nov. 17, 1958.

'Pepino Dulce'. Collected near La Serena, Coquimbo.

253714. Crataegus azarolus L. Malaceae.

Hawthorn.

From Italy. Seeds presented by the Orto Botanico Dell'Universita, Naples. Received Nov. 17, 1958.

253715 to 253718.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Nov. 17, 1958.

253715 to 253717. *PANICUM ANTIDOTALE* Retz. Poaceae. Blue panicgrass.

253715. E. C. 2557.

253716. E. C. 9702.

253717. I. W. 689.

253718. *PANICUM MAXIMUM* Jacq.

Guineagrass.

E. C. 7479.

253719. SESLERIA ELONGATA Host Poaceae.

From Yugoslavia. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville Md. Received Nov. 17, 1958.

Col. No. 17321. Limestone rocks south end of Mount Durmitor, Montenegro. Elevation 5,000 feet. Tough cespitose xerophite, leaves to 40 cm. long.

Reported reluctantly eaten by cattle.

253720. MUCUNA NOVOGUINEENSIS Scheff. Fabaceae.

From the British West Indies. Plant presented by the Imperial College of Tropical Agriculture, Port of Spain, Trinidad. Received Nov. 17, 1958.

253721. (Undetermined.)

From Spain. Bulbs collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 17, 1958.

Col. No. K2185. Dry location north of Trujillo, Punto de Mirabete. Plant small; flowers pink at soil surface.

253722 to 253724.

From Iraq. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 18, 1958.

253722. *BRASSICA NIGRA* (L.) Koch Brassicaceae.

Black mustard.

Col. No. K906. Hill bazaar.

253723. *CICER ARIETINUM* L. Fabaceae.

Chickpea.

Col. No. K926. Baghdad bazaar.

253724. *PHASEOLUS AUREUS* Roxb. Fabaceae.

Mung bean.

Col. No. K927. Baghdad bazaar.

253725 to 253729.

From Australia. Seeds presented by the Commonwealth Scientific Industrial Research Organization, Canberra. Received Nov. 18, 1958.

253725 to 253728. *CENCHRUS CILIARIS* L. Poaceae.

Buffelgrass.

253725. 'Biloela'. Type D. Originally from Tanganyika, recorded under C.P.I. 6934. Does well in trials with 25 inches annual rainfall. Has been distributed as 'Biloela Buffel Grass'.

253726. 'Cloncurry strain'.

253727. 'Gayndah'. C.P.I. 1848. An Uganda introduction of 1930.

253728. Western Australian strain. Plants naturalized in Western Australia are less productive than other strains, but they do well under arid conditions. Introduced from India.

253729. *STYLOSANTHES BOJERI* Vogel. Fabaceae.

Introduced from Tanganyika.

253730. ZEA MAYS L. Poaceae.**Corn.**

From Brazil. Seeds presented by the Instituto Agronomico de Estado de Sao Paulo, Campinas. Received Nov. 18, 1958.

'Cubano'.

253731. SESAMUM INDICUM L. Pedaliaceae.**Sesame.**

From Nigeria. Seeds presented by the Regional Research Station, Ministry of Agriculture, Bamaru Zaria. Received Nov. 18, 1958.

'Yandev 55'. High-yielding variety maturing in 50 days.

253732. (Undetermined.)

From Bolivia. Plant collected and presented by Ira S. Nelson, Southwestern Louisiana Institute, Lafayette, Louisiana. Received Nov. 18, 1958.

253733. XANTHORRHEA TATEANA F. Muell. Liliaceae.

From Costa Rica. Seeds presented by C. H. Lankester, Cartago. Received Nov. 12, 1958.

Source of bright ruby colored resin used to color varnish.

253734 to 253811.

From Afghanistan and Iraq. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 19, 1958.

From Iraq unless otherwise noted.

253734. ASTRAGALUS sp. Fabaceae.

Col. No. K1778. Forty km. west of Ghazni, Afghanistan. Common thorny legume.

253735. BROMUS FASCICULATUS Presl Poaceae.

Col. No. K956. Thirty-two km. west of Ramadi. Plants heavily grazed.

253736. BROMUS RACEMOSUS L.**Bald brome.**

Col. No. K958. Thirty-two km. west of Ramadi.

253737. BROMUS sp.

Col. No. K1781. Forty km. west of Ghazni, Afghanistan.

253738 to 253751. CARTHAMUS OXYACANTHA Bieb. Asteraceae.

253738. Col. No. K896. Hilla-Baghdad road.

253739. Col. No. K898. Baghdad-Hilla road.

253740. Col. No. K899. Baghdad-Hilla road.

253741. Col. No. K901. Thirty-seven km. north of Hilla.

253742. Col. No. K902. Seven km. north of Hilla.

253743. Col. No. K907. Twenty km. north of Baghdad.

253744. Col. No. K908. Thirty-five km. north of Baghdad.

253745. Col. No. K909. Forty-three km. north of Baghdad. Plants glabrous.

253746. Col. No. K910. Forty-three km. north of Baghdad.

253747. Col. No. K938. Abu Ghraib Experiment Station.

253748. Col. No. K939. Abu Ghraib Experiment Station.

253749. Col. No. K940. Abu Ghraib Experiment Station.

253750. Col. No. K941. Abu Ghraib Experiment Station. Plants pubescent; bracts involucrel.

253751. Col. No. K942. Abu Ghraib Experiment Station.

253752. CARTHAMUS sp.

Col. No. K943. Abu Ghraib Experiment Station. Intermediate between *C. oxyacantha* and *C. tinctorius*. Flowers yellow.

253753 to 253757. *CARTHAMUS OXYACANTHA* Bleb.

253753. Col. No. K944. Abu Ghraib Experiment Station.

253754. Col. No. K955. Fifteen km. west of Al Falluja.

253755. Col. No. K967. Five km. south and one km. east of Zuhure Junction, Baghdad.

253756. Col. No. K968. Five km. south and one km. east of Zuhure Junction, Baghdad.

253757. Col. No. K969. Five km. south and one km. east of Zuhure Junction, Baghdad.

253758 to 253765. *CARTHAMUS TINCTORIUS* L.**Safflower.**

253758. Col. No. K903. 'Qurtum'. Hilla bazaar. Seeds reported to have come from Baghdad.

253759. Col. No. K912. Baghdad bazaar. Said to have come from Tabriz, Iran.

253760. Col. No. K935. Baghdad bazaar.

253761. Col. No. K936. Baghdad bazaar.

253762. Col. No. K937. Abu Ghraib Experiment Station. Mixed varieties.

253763. Col. No. K1751. Mountain, south end of Kabul, Afghanistan. Plants to twelve dm. high, spineless; flowers orange and red.

253764. Col. No. K1755. North of Kabul, Shairpur area, Pushta, Afghanistan. Plant to one meter high.

253765. Col. No. K1759. Western margin of Kabul, Afghanistan. Plants to two meters high.

253766. *CARTHAMUS* sp.

Col. No. K961. Barren desert where water had accumulated. Thirty-two km. west of Ramadi. Plants to 20 cm. high.

253767. *CARTHAMUS* sp.

Col. No. K964. Eighty-nine km. west of Ramadi. Plant to 10 cm. high.

253768. *CARTHAMUS* sp.

Col. No. K965. Ninety km. west of Ramadi. Plants to 10 cm. high.

253769. *CARTHAMUS* sp.

Col. No. K966. Ninety km. west of Ramadi. Plants to 10 cm. high.

253770. *CENTAUREA* sp. Asteraceae.

Col. No. K970. Five km. south of Zuhura Junction, Baghdad. Plants to eight cm. high.

253771 to 253778. *HELIANTHUS ANNUUS* L. Asteraceae. Common sunflower.

253771 to 253778. Abu Ghraib Experiment Station, west of Baghdad.

253771. Col. No. K947.

253772. Col. No. K948.

253773. Col. No. K949.

253774. Col. No. K950.

253775. Col. No. K951.

253776. Col. No. K952.

253777. Col. No. K953.

253778. Col. No. K954.

253779. *IRIS SISYRINCHIUM* L. Iridaceae.**Moraea iris.**

Col. No. K963. Thirty km. west of Ramadi. Plants 30 cm. high, abundant.

253780. *HORDEUM* sp. Poaceae.

Col. No. K922. Baghdad bazaar.

- 253781 to 253785. *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**
 253781. Col. No. K904. Hilla bazaar.
 253782. Col. No. K905. Hilla bazaar.
 253783. Col. No. K913. Baghdad bazaar.
 253784. Col. No. K933. Baghdad bazaar.
 253785. Col. No. K934. Baghdad bazaar.
253786. *MEDICAGO ORBICULARIS* (L.) All. Fabaceae. **Buttonclover.**
 Col. No. K897. Twelve km. south of Baghdad.
253787. *ORYZOPSIS* sp. Poaceae.
 Col. No. K1770. Thirty-five km. west of Ghazni, Afghanistan. Plants to seven dm. high, growing under protection of thorny plants.
253788. *ORYZOPSIS* sp.
 Col. No. K1780. Fields of dryland wheat, District Ooribirka, 40 km. west of Ghazni, Afghanistan.
- 253789 and 253790. *PANICUM MILIACEUM* L. Poaceae. **Proso millet.**
 253789. Col. No. K923. Baghdad bazaar.
 253790. Col. No. K924. Baghdad bazaar.
253791. *POA BULBOSA* L. Poaceae. **Bulbous bluegrass.**
 Col. No. K1777. Forty km. west of Ghazni, Ooribirka, Afghanistan.
- 253792 to 253794. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
 253792. Col. No. K930. Baghdad bazaar.
 253793. Col. No. K931. Baghdad bazaar.
 253794. Col. No. K932. Baghdad bazaar.
- 253795 and 253796. *SORGHUM BICOLOR* (L.) Moench Poaceae.
 253795. Col. No. K920. Baghdad bazaar.
 253796. Col. No. K921. Baghdad bazaar.
253797. *STIPA PENNATA* L. Poaceae. **Feathergrass.**
 Col. No. K1776. Forty km. west of Ghazni, Ooribirka, Afghanistan. Plants six dm. high.
253798. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. **Berseem clover.**
 Col. No. K945. Abu Ghraib Experiment Station. Plants pubescent.
- 253799 to 253804. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
 253799. Col. No. K911. Forty-three km. north of Baghdad.
 253800. Col. No. K917. Baghdad bazaar, Kurdiya wheat from Mosul.
 253801. Col. No. K918. Baghdad bazaar. Grown near Mosul.
 253802. Col. No. K928. Baghdad bazaar.
 253803. Col. No. K1761. Northern outskirts of Ghazni, Afghanistan. Mixed club and bread wheat.
 253804. Col. No. K1784. Forty-three km. west of Ghazni, Ooribirka, Afghanistan. Plant to six dm. high, abundant.
253805. *VICIA ERVILIA* (L.) Willd. Fabaceae. **Bittervetch.**
 Col. No. K1764. 'Shakhal'. Ghazni bazaar, Afghanistan. Pigeon and cattle feed.
- 253806 to 253809. *VICIA FABA* L. **Broadbean.**
 253806. Col. No. K914. Baghdad bazaar.
 253807. Col. No. K915. Baghdad bazaar.
 253808. Col. No. K916. Baghdad bazaar.
 253809. Col. No. K925. Baghdad bazaar.

253810. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Common cowpea.
Col. No. K929. Baghdad bazaar.
253811. *ZEA MAYS* L. Poaceae. Corn.
Col. No. K919. Baghdad bazaar.

253812 to 253814. *NICOTIANA TABACUM* L. Solanaceae. Common tobacco.

From Java. Seeds presented by the University of Godjah Moda, Jakarta.
Received Nov. 21, 1958.

253812. 'Timor-Vorstonlanden'. Grown for cigar wrappers.

253813. 'Vorstenlanden'.

253814. Y 10. No. 768/1954.

253815 to 253841. *HORDEUM* (hybrids). Poaceae. Barley.

From Colombia. Seeds presented by the Rockefeller Foundation, Bogota. Received Nov. 21, 1958.

253815. PC 1. 'Funza-1102' × 'Funza'. II-872-4b-1b-7t-2b.

253816. PC 2. 'Desconocida-Maltworthy' × 'Funza-Kindred'. II-1302-35-2b-2t.

253817. PC 3. 'Atzel-Funza' × 'Funza-Montcalm'. II-1262-2b-2t-1t.

253818. PC 4. 'Atzel-Funza' × 'Funza-Montcalm'. II-1261-15b-4t-4b.

253819. PC 5. FR.1391 × 'Montcalm'. II-57-1b-1t-2b-2t.

253820. PC 6. 'Desconocida-Podna' × 'Giza 68' × 'Pocha-Raspa-Kindred'. II-1422-2t-3b-1t.

253821. PC 7. 'Desconocida-Pocha Giza 68' × 'Pocha-Raspa-Kindred'. II-1422-2t-11b-3t.

253822. PC 8. 'Desconocida-Pocha Giza 68' × 'Pocha-Raspa-Kindred'. II-1422-5t-3b-2t.

253823. PC 9. 'Funza-PI.5649-Pocha-Research' × 'Funza-Jet'. II-1455-1t-7b-1t.

253824. PC 10. PI.7852 'Funza-Surprise' × 'Bachue'. II-1543-8b-1t.

253825. PC 11. 'Ogalitsu-Funza-Funza'. PI.5649 × 'Bachue'. II-1545-1b-1t.

253826. PC 12. PI.3604-1138 'Ogalitsu-Valentine' × 'Bachue'. II-1587-6b-3t.

253827. PC 13. PI.6978 'Funza-Ogalitsu-Funza' × 'Bachue'. II-1612-48-1t.

253828. PC 14. 'Desconocida-Pocha' × 'Atzel-Fr.1272-Kindred' × 'Bachue'. II-1623-6b-3t.

253829. PC 15. FR.1714 'Gold' × 1226-Fr. 1963 'Montcalm'. II-2009-2b-1t.

253830. PC 16. 'Ogalitsu-Oderbruch B' × 1226-Fr. 1963 'Montcalm'. II-2024-2b-1t.

253831. PC 17. 'Atzel' × 'Bachue'. II-2149-5b-1t.

253832. PC 18. 'Erectoides' × 'Bachue'. II-2158-3b-1t.

253833. PC 19. 'Morocco' × 'Bachue'. II-2169-5b-1t.

253834. PC 20. 'Morocco' × 'Bachue'. II-2169-5b-2t.

253835. PC 21. 'Morocco' × 'Bachue'. II-2169-5b-3t.

253836. PC 22. PI.8985 × ('Giza 68' × 'Pocha-Raspa-Kindred'). II-2427-2b-1t.

253837. PC 23. 'Ogalitsu-FR.109' × 'Bachue'. II-1501-2t-3b-(1-42t).

253838. PC 24. 'Funza-Tcheschostor 929' × 'Bachue'. II-1662-1t-1b.

253839. PC 25. 'Bunza'.

253840. PC 26. 'Bachue'.

253841. PC 27. 'Tequendama'.

253842 to 253870.

From the Near East. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Maryland. Received November 21, 1958.

253842 to 253848. *CARTHAMUS FLAVESCENS* Willd. Asteraceae.

253842. Col. No. K1168. Aleppo road, 21.5 km. from Damascus, Syria.

253843. Col. No. K1171. Thirty-six km. north of Damascus, Aleppo road, Syria.

253844. Col. No. K1172. Fifty-nine km. north of Damascus, Aleppo road, Syria.

253845. Col. No. K1175. Eight km. south of Hama, Damascus-Aleppo road, Syria.

253846. Col. No. K1176. Thirty km. north of Hama, Damascus-Aleppo road, Syria.

253847. Col. No. K1179. One hundred km. south of Aleppo, Syria.

253848. Col. No. K1180. Fifty km. south of Aleppo, Syria.

253849 to 253861. *CARTHAMUS GLAUCUS* Bieb.

253849. Col. No. K1092. Twelve km. from Amman, Jerusalem road, Jordan. Plants to 8 dm. high.

253850. Col. No. K1130. Ninety-three km. from Amman, Amman-Nablus road, Jordan.

253851. Col. No. K1181. Forty km. south of Aleppo, Syria. Flowers dark purple.

253852. Col. No. K1185. Forty km. east of Mosul, Erbil road, Iraq. Flowers light purple.

253853. Col. No. K1193. South side of River Zab, Mosul-Erbil road, Iraq. Flowers almost white.

253854. Col. No. K1205. Fifty-four km. north of Mosul, Iraq.

253855. Col. No. K1206. Fifty-seven km. north of Mosul, Iraq.

253856. Col. No. K1213. Eighty-eight km. north of Mosul, Iraq.

253857. Col. No. K1262. Two km. southeast of Deltawa, Iraq.

253858. Col. No. K1280. Twenty km. east of Kirkuk, Iraq.

253859. Col. No. K1282. Twenty-seven km. east of Kirkuk, Iraq.

253860. Col. No. K1295. About 15 km. west of Sulaimaniya, Iraq.

253861. Col. No. K1306. Fifty-six km. southeast of Sulaimaniya, Iraq.

253862 to 253866. *CARTHAMUS LANATUS* L.

253862. Col. No. K1195. One hundred twenty-four km. from Mosul, Salahuddin road, Iraq.

253863. Col. No. K1285. Sixty km. east of Kirkuk, Iraq. Plants to nine dm. high.

253864. Col. No. K1293. Seventy-three km. east of Kirkuk, Iraq.

253865. Col. No. K1305. Fifty-six km. southeast of Sulaimaniya, Iraq.

253866. Col. No. K1758. North of Kabul, Shairpur area, Afghanistan.

253867 to 253870. *CARTHAMUS NITIDUS* Boiss.

253867. Col. No. K1126. Ninety-nine km. from Amman, Jerusalem-Jericho road, Jordan.

253868. Col. No. K1169. Twenty-six km. from Damascus, Damascus-Aleppo highway, Syria.

253869. Col. No. K1127. Ninety-one km. from Amman, Jerusalem-Jericho road, Jordan.

253870. Col. No. K1167. Twenty-one km. from Damascus, Damascus-Aleppo road, Syria.

253871. DROSERA sp. Droseraceae.

From Australia. Seeds collected by G. H. Spaulding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 24, 1958.

Col. No. S-91. Five miles north of Moore, Western Australia. Plants with large rosettes of red leaves; scapes to 10 inches high; flowers pink or white.

253872 to 253897.

From Syria, Iraq and Israel. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 24, 1958.

253872 to 253884. CARTHAMUS OXYACANTHA Bieb. Asteraceae.

253872. Col. No. K1182. Nine km. east of Mosul, Erbil road, Iraq.

253873. Col. No. K1194. Seventy-one km. from Mosul, Erbil road, Iraq.

253874. Col. No. K1184. Forty km. east of Mosul, Erbil road, Iraq. Typical. Plants with vegetative heads.

253875. Col. No. K1204. Forty-one km. north of Mosul, Iraq.

253876. Col. No. K1212. Eighty-eight km. north of Mosul, Iraq.

253877. Col. No. K1256. Nineveh ruins east of Mosul, Iraq.

253878. Col. No. K1261. Fifteen km. north of Baghdad, Kirkuk road, Iraq. Plants pubescent.

253879. Col. No. K1263. Fifteen km. north of Deltawa, Iraq.

253880. Col. No. K1264. Fifteen km. south of Kirkuk, Iraq.

253881. Col. No. K1279. Twenty km. east of Kirkuk, Iraq.

253882. Col. No. K1281. Twenty-seven km. east of Kirkuk, Iraq. Plants hardy, vigorous.

253883. Col. No. K1292. Seventy-three km. east of Kirkuk, Iraq.

253884. Col. No. K1301. Twenty km. southeast of Sulaimaniya, Iraq.

253885 to 253888. CARTHAMUS SYRIACUS (Boiss.) Dinsm.

253885. Col. No. K1128. Jerusalem-Jericho road, Israel.

253886. Col. No. K1129. Three km. north of Jericho, Jerusalem.

253887. Col. No. K1166. Harasta, Damascus, Aleppo road, Syria.

253888. Col. No. K1170. Damascus-Aleppo road, 26 km. from Damascus, Syria.

253889 to 253891. CARTHAMUS TENUIS (Boiss. & Blanche) Bornm.

253889. Col. No. K1124. Base of Mount of Olives, Jerusalem, Israel. Plants abundant.

253890. Col. No. K1125. Jericho road, Jerusalem.

253891. Col. No. K1174. Eight km. south of Hama, Damascus-Aleppo road, Syria.

253892 to 253897. CARTHAMUS TINCTORIUS L.

Safflower.

253892. Col. No. K1131. Two km. north of Howarah, Nablus-Jerusalem highway, Israel. Plants spineless; flowers red; grown for petals.

253893. Col. No. K1132. Nablus-Jerusalem highway, Howarah, Israel. Flowers red.

253894. Col. No. K1133. Nablus, Jerusalem. Flowers red.

253895. Col. No. K1158. Damascus bazaar, Syria.

253896. Col. No. K1160. Damascus bazaar, Syria.

253897. Col. No. K1159. Damascus bazaar, Syria.

253898 to 253922.

From Syria, Afghanistan, Iraq. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 24, 1958.

- 253898 to 253916. *CARTHAMUS TINCTORIUS* L. Asteraceae. Safflower.
253898. Col. No. K1161. Damascus bazaar, Syria.
253899. Col. No. K1162. Damascus, Syria.
253900. Col. No. K1163. 'Osfur'. Damascus bazaar, Syria.
253901. Col. No. K1207. Fifty-seven km. south of Mosul, Iraq.
253902. Col. No. K1260. Fifteen km. southeast of Baghdad, Ctesiphon road, Iraq.
253903. Col. No. K1734. 'Maswar'. Kabul bazaar, Afghanistan. Sold as bird feed.
253904. Col. No. K1735. Six km. southwest of Kabul, Afghanistan. Plants to 10 dm. high; flowers orange-red; spineless.
253905. Col. No. K1746. Kabul bazaar, Afghanistan.
253906. Col. No. K1747. Kabul, Afghanistan. Plant to 12 dm. high.
253907. Col. No. K1748. One km. north of ICA compound, Kabul, Afghanistan. Plant spineless, 12 dm. high.
253908. Col. No. K1749. One km. north of ICA compound in Kabul, Afghanistan. Plant spiny.
253909. Col. No. K1750. Mountain at south end of Kabul, Afghanistan. Plant to 12 dm. high.
253910. Col. No. K1752. Mountain at south end of Kabul, Afghanistan. Plant to 12 dm. high, spineless.
253911. Col. No. K1753. Shairpur area, north of Kululah Pushta, Afghanistan. Plants spineless, to 10 dm. high.
253922. Col. No. K1754. Shairpur area, north of Kululah Pushta, Afghanistan. Plants spiny, to eight dm. high.
253913. Col. No. K1756. Shairpur area, north of Kululah Pushta, Afghanistan. Plants spiny.
253914. Col. No. K1757. Shairpur area, northwest of Kululah Pushta, Afghanistan. Plants to 11 dm. high, spineless.
243915. Col. No. K1259. Ctesiphon, 35 km. south of Baghdad, Iraq.
253916. Col. No. K1762. Ghazni, Afghanistan. The only safflower in the area. Plant to one meter high; flowers red and orange.
253917. *CARTHAMUS* sp.
- Col. No. K1177. Thirteen km. north of Hama, Damascus-Aleppo road, Syria.
253918. *CARTHAMUS* sp.
- Col. No. K1183. Forty km. east of Mosul, Erbil road, Iraq.
253919. *CARTHAMUS* sp.
- Col. No. K1178. One hundred and sixty-one km. south of Aleppo, near Tenaya, Iraq.
- 253920 to 253922. *CARTHAMUS* (hybrids).
- (*C. glaucus* $\times$ *C. oxyacantha*.) Seedlings intermediate between parents.
253920. Col. No. K1208. Fifty-seven km. north of Mosul, Iraq. Flowers yellow to greenish-yellow.
253921. Col. No. K1283. Fifty-seven km. north of Mosul, Iraq. Plant glaucous, sterile; flowers yellow.
253922. Col. No. K1283. Fifty-seven km. north of Mosul, Iraq. Plant glaucous, sterile; flowers yellow.

253923. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Costa Rica. Seeds collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 24, 1958.

Col. No. A107. Quepos. From open-pollinated clones, United Fruit Company.

253924 to 253927. FRAGARIA (hybrids). Rosaceae. Strawberry.

From Japan. Plants presented by the National Tokai-Kinki Agricultural Experiment Station, Okitsu. Received Nov. 24, 1958.

253924. 'Koro'.

253925. 'Nagoya Omi'.

253926. 'Victoria'.

253927. 'Yagumd'.

253928 to 253930. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Ethiopia. Seeds presented by the United States Operations Mission, Addis Ababa. Received Dec. 4, 1958.

253928. 'Ainamba'. Ghimira, Kaffa. Elevation 1,350 meters.

253929. 'Babbaka'. Ghimira, Kaffa. Elevation 1,200 meters.

253930. 'Dudduka'. Ghimira, Kaffa. Elevation 1,250 meters.

253931 to 254010.

From Iraq, Syria, and Afghanistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 25, 1958.

253931 and 253932. HELIANTHUS ANNUUS L. Asteraceae. Common sunflower.

253931. Col. No. K946. Abu Ghraib Experiment Station, west of Baghdad, Iraq.

253932. Col. No. K1267. Kirkuk bazaar, Iraq.

253933. HORDEUM SPONTANEUM C. Koch Poaceae.

Col. No. K1197. Salahudin, 127 km. east of Mosul, Iraq. Plants to five dm. high.

253934. HORDEUM VULGARE L. Common barley.

Col. No. K1740. Kabul bazaar, Afghanistan.

253935. HORDEUM sp.

Col. No. K1138. Damascus bazaar, Syria.

253936. HORDEUM sp.

Col. No. K1298. Eleven km. southeast of Sulaimaniya, Iraq.

253937. HORDEUM sp.

Co. No. K1310. Sulaimaniya bazaar, Iraq.

253938. HORDEUM sp.

Col. No. K1311. Sulaimaniya bazaar, Iraq.

253939. HORDEUM sp.

Col. No. K1706. Kabul bazaar, Afghanistan.

253940. HORDEUM sp.

Col. No. K1739. Kabul bazaar, Afghanistan.

253941. HORDEUM sp.

Col. No. K1745. Kabul bazaar, Afghanistan.

- 253942 to 253948. *LINUM USITATISSIMUM* L. Linaceae. Common flax.
 253942. Col. No. K1296. Seven km. southeast of Sulaimaniya, Iraq.
 253943. Col. No. K1297. Eleven km. southeast of Sulaimaniya, Iraq.
 253944. Col. No. K1300. Twenty km. southeast of Sulaimaniya, Iraq.
 253945. Col. No. 1302. Twenty-three km. southeast of Sulaimaniya, Iraq.
 253946. Col. No. 1307. Sulaimaniya bazaar, Iraq.
 253947. Col. No. 1308. Sulaimaniya bazaar, Iraq.
 253948. Col. No. 1314. Eight km. south of Erbil, Iraq. Plants to 25 cm. high.
- 253949 to 253951. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
 253949. Col. No. K1725. 'Vishka'. Kabul bazaar, Afghanistan.
 253950. Col. No. K1743. Kabul, Afghanistan.
 253951. Col. No. K1763. Ghazni bazaar, Afghanistan.
253952. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae. Berseem clover.
 Col. No. K1738. Kabul bazaar, Afghanistan.
- 253953 to 253955. *PANICUM MILIACEUM* L. Poaceae. Proso millet.
 253953. Col. No. K1708. Kabul bazaar, Afghanistan.
 253954. Col. No. K1731. 'Oogal'. Kabul bazaar, Afghanistan.
 253955. Col. No. K1737. 'Arzan'. Kabul bazaar, Afghanistan.
253956. *SECALE MONTANUM* Guss. Poaceae. Mountain rye.
 Col. No. K1238. One hundred twenty-four km. north of Mosul, Iraq.
253957. *SECALE VAVILOVII* Grossh.
 Col. No. K1773. Twenty-four km. west of Ghazni, Afghanistan. Plants to seven dm. high.
- 253958 to 253963. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
 253958. Col. No. K1139. Damascus, Syria.
 253959. Col. No. K1140. Damascus bazaar, Syria.
 253960. Col. No. K1299. Eleven km. southeast of Sulaimaniya, Iraq.
 253961. Col. No. K1704. 'Gandung'. Kabul bazaar, Afghanistan.
 253962. Col. No. K1705. 'Gandung'. Kabul bazaar, Afghanistan.
 253963. Col. No. K1742. Kabul bazaar, Afghanistan.
253964. *TRITICUM DURUM* Desf. Durum wheat.
 Col. No. K1312. Sulaimaniya bazaar. Iraq.
253965. *CANNABIS SATIVA* L. Moraceae. Hemp.
 Col. No. K1150. Damascus bazaar, Syria.
- 253966 and 253967. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
 253966. Col. No. K1237. One hundred km. north of Mosul, Iraq. Plants to eight dm. high.
 253967. Col. No. K1247. One hundred km. north of Mosul, Iraq. Plants to eight dm. high.
253968. *PISUM SATIVUM* L. Fabaceae. Garden pea.
 Col. No. K1718. Kabul bazaar, Afghanistan.
253969. *LATHYRUS SATIVUS* L. Fabaceae. Grass peavine.
 Col. No. K1722. Kabul bazaar, Afghanistan.
253970. *PISUM SATIVUM* L. Fabaceae. Garden pea.
 Col. No. K1723. 'Mouchon'. Kabul bazaar, Afghanistan.

253971. *LINUM ANGUSTIFOLIUM* Huds. Linaceae. **Narrowleaf flax.**
Col. No. K1192. Mosul-Erbil road, Iraq. Plant to six dm. high.
253972. *LINUM STRICTUM* L. **Flax.**
Col. No. K1294. About 73 km. east of Kirkuk, Iraq. Plant to 20 cm. high, scarce.
- 253973 to 253982. *LINUM USITATISSIMUM* L. **Common flax.**
253973. Col. No. K959. Thirty km. west of Ramadi, Iraq.
253974. Col. No. K1154. Damascus bazaar, Syria.
253975. Col. No. K1155. Damascus bazaar, Syria.
253976. Col. No. K1156. Damascus bazaar, Syria.
253977. Col. No. K1157. Damascus bazaar, Syria.
253978. Col. No. K1164. Damascus bazaar, Syria.
253979. Col. No. K1165. Damascus bazaar, Syria.
253980. Col. No. K1257. Mosul bazaar, Iraq.
253981. Col. No. K1265. Kirkuk bazaar, Iraq.
253982. Col. No. K1266. Kirkuk bazaar, Iraq.
- 253983 to 253985. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**
253983. Col. No. K1151. Damascus bazaar, Syria.
253984. Col. No. K1152. Damascus bazaar, Syria.
253985. Col. No. K1153. Damascus bazaar, Syria.
253986. *SORGHUM BICOLOR* (L.) Moench Poaceae.
Col. No. K1137. Damascus bazaar, Syria.
253987. *TRIFOLIUM CAMPESTRE* Schreb. Fabaceae. **Large hop clover.**
Col. No. K1253. Vicinity of Sirsank, 142 km. north of Mosul, Iraq. Plants low growing, abundant.
- 253988 to 253991. *TRIFOLIUM RESUPINATUM* L. **Persian clover.**
253988. Col. No. K1188. Mosul-Erbil road, Iraq.
253989. Col. No. K1230. Ninety-seven km. north of Mosul, Iraq. Plants scarce.
253990. Col. No. K1709. 'Shaftal'. Kabul bazaar, Afghanistan.
253991. Col. No. K1766. Ghazni bazaar, Afghanistan.
253992. *TRIFOLIUM SPUMOSUM* L.
Col. No. K1254. Vicinity of Sirsank, 142 km. north of Mosul, Iraq. Plants low growing, scarce.
253993. *TRIFOLIUM* sp.
Col. No. K1211. Fifty-seven km. north of Mosul, Iraq.
253994. *TRIFOLIUM* sp.
Col. No. K1235. Seventy-one km. north of Mosul, Iraq.
253995. *TRIFOLIUM* sp. Fabaceae.
Col. No. K1252. Vicinity of Sirsank, 142 km. north of Mosul, Iraq.
253996. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. **Fenugreek.**
Col. No. K1721. 'Oolbar'. Kabul bazaar, Afghanistan.
253997. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
Col. No. K1772. Forty km. west of Ghazni, Afghanistan. Plants to six dm. high.

253998 and 253999. *VICIA ERVILLA* (L.) Willd. Fabaceae. Bittervetch.

253998. Col. No. K1148. Damascus bazaar, Syria.

253999. Col. No. K1724. 'Shochal'. Kabul bazaar, Afghanistan.

254000 to 254006. *VICIA FABA* L. Broadbean.

254000. Col. No. K1143. Damascus bazaar, Syria.

254001. Col. No. K1144. Damascus bazaar, Syria.

254002. Col. No. K1145. Damascus bazaar, Syria.

254003. Col. No. K1146. Damascus bazaar, Syria.

254004. Col. No. K1278. Kirkuk bazaar, Iraq.

254005. Col. No. K1714. Kabul bazaar, Afghanistan.

254006. Col. No. K1715. Kabul bazaar, Afghanistan.

254007 to 254010. *ZEA MAYS* L. Poaceae. Corn.

254007. Col. No. K1134. Damascus bazaar, Syria.

254008. Col. No. K1135. Damascus bazaar, Syria.

254009. Col. No. K1136. Damascus bazaar, Syria.

254010. Col. No. K1707. 'Jowar'. Kabul bazaar, Afghanistan.

254011 to 254081.

From Europe. Seeds held by the Cereal Crops Research Branch, Crops Research Division, Beltsville, Md. Numbered Nov. 26, 1958.

A collection of European commercial varieties to be used in breeding research.

254011 to 254015. *TRITICUM DURUM* Desf. Poaceae. Durum wheat.

254011. No. 1. 254013. No. 3. 254015. No. 5.

254012. No. 2. 254014. No. 4.

254016 to 254081. *TRITICUM AESTIVUM* L. Common wheat.

254016. No. 1. 254038. No. 23. 254060. No. 45.

254017. No. 2. 254039. No. 24. 254061. No. 46.

254018. No. 3. 254040. No. 25. 254062. No. 47.

254019. No. 4. 254041. No. 26. 254063. No. 48.

254020. No. 5. 254042. No. 27. 254064. No. 49.

254021. No. 6. 254043. No. 28. 254065. No. 50.

254022. No. 7. 254044. No. 29. 254066. No. 51.

254023. No. 8. 254045. No. 30. 254067. No. 52.

254024. No. 9. 254046. No. 31. 254068. No. 53.

254025. No. 10. 254047. No. 32. 254069. No. 54.

254026. No. 11. 254048. No. 33. 254070. No. 55.

254027. No. 12. 254049. No. 34. 254071. No. 56.

254028. No. 13. 254050. No. 35. 254072. No. 57.

254029. No. 14. 254051. No. 36. 254073. No. 58.

254030. No. 15. 254052. No. 37. 254074. No. 59.

254031. No. 16. 254053. No. 38. 254075. No. 60.

254032. No. 17. 254054. No. 39. 254076. No. 61.

254033. No. 18. 254055. No. 40. 254077. No. 62.

254034. No. 19. 254056. No. 41. 254078. No. 63.

254035. No. 20. 254057. No. 42. 254079. No. 64.

254036. No. 21. 254058. No. 43. 254080. No. 65.

254037. No. 22. 254059. No. 44. 254081. No. 66.

254082 to 264090.

From Iraq and Spain. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 26, 1958.

254082 and 254083. *CARTHAMUS FLAVESCENS* Willd. Asteraceae.

254082. Col. No. K1337. Fifteen km. south of Saadiyah, Iraq. Plants to six dm. high.

254083. Col. No. K1338. Nineteen km. south of Saadiyah, seven km. north of Mikadadiyah, Iraq.

254084 to 254086. *CARTHAMUS GLAUCUS* Bieb.

254084. Col. No. K1303. Forty km. southeast of Sulaimaniya, Iraq.

254085. Col. No. K1334. Sixty-eight km. south of Arbet, Iraq.

254086. Col. No. K1335. One hundred and fifty-five km. south of Arbet, Iraq.

254087. *CARTHAMUS LANATUS* L.

Col. No. K2184. Lisbon highway, seven km. north of Trujillo, Spain.

254088 and 254089. *CARTHAMUS OXYACANTHA* Bieb.

254088. Col. No. K1284. Fifty-four km. east of Kirkuk, Iraq.

254089. Col. No. K1333. Sixty-eight km. south of Arbet, Iraq.

254090. *CARTHAMUS TINCTORIUS* L.

Safflower.

Col. No. K2192. Jefatura Agronomica de Cuenca, Spain.

254091 to 254106.

From Mexico. Plants collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 26, 1958.

254091. *CISSUS* sp. Vitaceae.

Col. No. 17653. Near Macusari Dam, Rio Mayo, Sonora. Perennial herb; leaves attractive.

254092. *DIOON* sp. Cycadaceae.

254094. *SPIRANTHES POLYANTHA* Reichb. f. Orchidaceae.

Orchid.

Col. No. 17672. Santa Ana, near Yicora, Sonora. Elevation 2,800 feet. Perennial herb; leaves in rosette; roots succulent.

254095. (Undetermined.)

Col. No. 17664. Cedros Range, Sonora. Elevation 3,500 feet. Perennial; roots fibrous.

254096. *AGAVE ANGUSTISSIMA* Engelm. Amaryllidaceae.

Col. No. 17640. Cerros de Mochis, Sinaloa.

254097. *AGAVE MESCAL* Koch

Col. No. 17684. 'Lechiguilla Verde'. Cedros Range, Sonora. Elevation 3,000 feet. Single rosettes.

254098. *AGAVE PALMERI* Engelm.

Col. No. 17681. Two miles south of Imuris, Sonora. Small, suckering, grayish rosettes, turning red after seeding.

254099. *AGAVE PARVIFLORA* Torr.

Col. No. 17690. 'Tanta'. Matape, Sonora. Rosettes with spotted leaves.

254100. *AGAVE YAQUIANA* Trel.

Col. No. 17675. Between Nuri and Santa Ana, Sonora. Elevation 2,200 feet.

254101. *AGAVE* sp.

Col. No. 17624. North of Matape, Sonora. Plant glaucous gray, rosettes medium-sized.

254102. AGAVE SP.

Col. No. 17666. Sierra de Yecora, Sonora. Elevation 4,000 feet. Large, compact, single rosettes; leaves ovate to lanceolate, with large distinct teeth on protuberance; panicle to 14 feet high, with up to 10 branches on upper third of stalk.

254103. AGAVE SP.

Col. No. 17680. Cedros Range, Sonora. Elevation 3,500 feet. Gray rosettes; leaves elongated.

254104. AGAVE SP.

Col. No. 17685. 'Jaiboli'. Near San Bernardo, Sonora. Elevation 1,000 feet.

254105. AGAVE SP.

Col. No. 17686. Tupeyeca near San Bernardo, Sonora. Plant large, sword-leaved; cultivated.

254106. (Undetermined.)

(No number or note.)

254107 to 254109. PRUNUS AVIUM L. Amygdalaceae.**Sweet cherry.**

From Great Britain. Seeds presented by the John Innes Horticultural Institution, Bayfordbury, Hertford, England. Received Nov. 28, 1958.

254107. No. 2420. Open pollinated, from a tree of 'Emperor Francis' × 'Bigarreau Napoleon'. The 'Bigarreau Napoleon' pollen had been irradiated.

254108. No. 2434. Open pollinated, from a tree of 'Emperor Francis' × 'Bigarreau Napoleon'. The 'Bigarreau Napoleon' pollen had been irradiated.

254109. No. 2538. Open pollinated. Spontaneous mutation from an F₂ seedling of 'Bigarreau de Schrecken' × 'Governor Wood'.

254110. FRAGARIA (hybrid). Rosaceae.**Strawberry.**

From Japan. Plants presented by the Horticultural Division, Experiment Station, Okitsu. Received Nov. 28, 1958.

'Koro'.

254111 to 254115. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From France. A collection of wheat varieties held by the Cereal Crops Research Branch. Numbered Dec. 1, 1958.

254111. 'Bretagne'.

254112. 'Later'.

254113. 'Lille'.

254114. 'Molinel'.

254115. 'Valliant'.

254116 to 254140. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Kenya. Seeds from an unknown donor. Received Dec. 1, 1958.

254116. No. 437(L) II.P.1.

254123. No. 504 F₅ Sel. 4.

254117. No. 503(L) L.A.1.

254124. No. 505.M.1.D.7.

254118. No. 503(L) 1.A.4.

254125. No. 557(L) I.R.2.

254119. No. 504(L) II.A.2.

254126. No. 559(L).2.C.1.

254120. No. 504(L) I.A.3.

254127. No. 559.C.2.A.4.

254121. No. 504(L) I.B.2.

254128. No. 559.O.1.(L) 2.

254122. No. 504(L) I.E.1.

254129. No. 559.O.1.(L) 5.

254130. No. 559 (L) 4.A.1.
 254131. No. 604 (L) 1.A.4.
 254132. No. 604 (L) 1.B.4.
 254133. No. 610 (L) I.B.1.
 254134. No. 610 (L) I.B.3.
 254135. No. 610 F₅ Sel. 2.

254136. No. 610 F₅ Sel. 6.
 254137. No. 613 (L) I.F.1.
 254138. No. 613 (L) I.F.4.
 254139. No. 648 (L) II.K.2.
 254140. No. 648 (L) II.K.3.

254141 to 254220.

From Europe. A wheat collection held for plant breeders by the Cereal Crops Research Branch, Crops Research Division, Beltsville, Md. Numbered Dec. 1, 1958.

Localities given are the sources of the material.

254141 and 254142. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

From Spain.

254141. Selection from P.I. 190980.

254242. Selection from P.I. 191391.

254143 to 254194. *TRITICUM DICOCUM* Schrank

Wheat.

254143. Selection from P.I. 94655. Bulgaria.

254144. Selection from P.I. 57392. Ethiopia.

254145. Selection from P.I. 58788. Ethiopia.

254146. Selection from P.I. 168677. Ethiopia.

254147. Selection from P.I. 193877. Ethiopia.

254148. Selection from P.I. 195722. Ethiopia.

254149. Selection from P.I. 195723. Ethiopia.

254150. Selection from P.I. 113961. U.S.S.R.

254151. Selection from P.I. 94662. Germany.

254152 to 254186. Iran.

254152. No. 60 i-1.

254153. No. 4.

254154. No. 7.

254155. No. 8.

254156. No. 10.

254157. No. 12.

254158. No. 16.

254159. No. 17.

254160. No. 19.

254161. No. 20.

254162. No. 223-a-1.

254163. No. 223-a-2.

254164. No. 223-a-3.

254165. No. 223-a-5.

254166. No. 223-a-6.

254167. No. 223-a-7.

254168. No. 223-a-8.

254169. No. 223-a-9.

254170. No. 223-a-10.

254171. No. 223-a-11.

254172. No. 223-a-12.

254173. No. 223-a-13.

254174. No. 223-a-14.

254175. No. 223-a-15.

254176. No. 223-a-16.

254177. No. 223-a-17.

254178. No. 223-a-18.

254179. No. 223-a-19.

254180. No. 223-a-20.

254181. No. 223-a-21.

254182. No. 223-a-22.

254183. No. 223-a-23.

254184. No. 223-a-24.

254185. No. 223-a-25.

254186. No. 223-a-26.

254187. Selection from P.I. 56235. Portugal.
254188. Selection from a mixture from P.I. 51984. U.S.S.R.
254189. Selection from P.I. 74108. U.S.S.R.
254190. Selection from P.I. 94617. U.S.S.R.
254191. Selection from P.I. 94667. U.S.S.R.
254192. Selection from P.I. 94656. Serbia.
254193. Selection from P.I. 190926. Spain.
254194. No. 56R3324. Virginia, U.S.A.
254195. *TRITICUM MONOCOCCUM* L. **Wheat.**
Selection from a mixture from P.I. 167637. Turkey.
- 254196 to 254213. *TRITICUM ORIENTALE* Percival **Wheat.**
- 254196 to 254212. Iran.
- | | |
|-----------------------|-----------------------|
| 254196. No. 263-a-3. | 254205. No. 263-a-12. |
| 254197. No. 263-a-4. | 254206. No. 263-a-13. |
| 254198. No. 263-a-5. | 254207. No. 263-a-14. |
| 254199. No. 263-a-6. | 254208. No. 263-a-15. |
| 254200. No. 263-a-7. | 254209. No. 263-a-16. |
| 254201. No. 263-a-8. | 254210. No. 263-a-17. |
| 254202. No. 263-a-9. | 254211. No. 263-a-18. |
| 254203. No. 263-a-10. | 254212. No. 263-a-19. |
| 254204. No. 263-a-11. | |
254213. Selection from P.I. 115815. Turkey.
- 254214 to 254216. *TRITICUM POLONICUM* L. **Polish wheat.**
254214. Selection from P.I. 124494. India.
254215. Selection from P.I. 70739. Iraq.
254216. Selection from P.I. 113963. U.S.S.R.
- 254217 and 254218. *TRITICUM* × *TIMOCOCCUM* Kostoff **Wheat.**
(*T. timopheevii* × *T. monococcum* var. *hornemanii*).
254217. No. 56R3383. Great Britain.
254218. No. 56R3384. Great Britain.
254219. *TRITICUM* sp.
Selection from P.I. 94748. U.S.S.R.
254220. *TRITICUM* sp.
Selection from P.I. 190931. Spain.
254221. *BOEHMERIA* sp. *Urticaceae*.
- From Viet-Nam. Roots presented by the United States Operations Mission, Saigon. Received Dec. 4, 1958.
254222. *SOLANUM MURICATUM* Ait. *Solanaceae*. **Pepino.**
From Ecuador. Seeds presented by the Institute of Inter-American Affairs, Quito. Received Dec. 4, 1958.
- 254223 to 254346. *LINUM USITATISSIMUM* L. *Linaceae*. **Common flax.**
From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Dec. 1, 1958.
- | | | |
|----------------------|----------------------|----------------------|
| 254223. No. N. P. 1. | 254226. No. N. P. 4. | 254229. No. N. P. 7. |
| 254224. No. N. P. 2. | 254227. No. N. P. 5. | 254230. No. N. P. 8. |
| 254225. No. N. P. 3. | 254228. No. N. P. 6. | 254231. No. N. P. 9. |

254232. No. N. P. 10.	254271. No. N. P. 49.	254310. No. N. P. 88.
254233. No. N. P. 11.	254272. No. N. P. 50.	254311. No. N. P. 89.
254234. No. N. P. 12.	254273. No. N. P. 51.	254312. No. N. P. 90.
254235. No. N. P. 13.	254274. No. N. P. 52.	254313. No. N. P. 91.
254236. No. N. P. 14.	254275. No. N. P. 53.	254314. No. N. P. 92.
254237. No. N. P. 15.	254276. No. N. P. 54.	254315. No. N. P. 93.
254238. No. N. P. 16.	254277. No. N. P. 55.	254316. No. N. P. 94.
254239. No. N. P. 17.	254278. No. N. P. 56.	254317. No. N. P. 95.
254240. No. N. P. 18.	254279. No. N. P. 57.	254318. No. N. P. 96.
254241. No. N. P. 19.	254280. No. N. P. 58.	254319. No. N. P. 97.
254242. No. N. P. 20.	254281. No. N. P. 59.	254320. No. N. P. 98.
254243. No. N. P. 21.	254282. No. N. P. 60.	254321. No. N. P. 99.
254244. No. N. P. 22.	254283. No. N. P. 61.	254322. No. N. P. 100.
254245. No. N. P. 23.	254284. No. N. P. 62.	254323. No. N. P. 101.
254246. No. N. P. 24.	254285. No. N. P. 63.	254324. No. N. P. 102.
254247. No. N. P. 25.	254286. No. N. P. 64.	254325. No. N. P. 103.
254248. No. N. P. 26.	254287. No. N. P. 65.	254326. No. N. P. 104.
254249. No. N. P. 27.	254288. No. N. P. 66.	254327. No. N. P. 105.
254250. No. N. P. 28.	254289. No. N. P. 67.	254328. No. N. P. 106.
254251. No. N. P. 29.	254290. No. N. P. 68.	254329. No. N. P. 107.
254252. No. N. P. 30.	254291. No. N. P. 69.	254330. No. N. P. 108.
254253. No. N. P. 31.	254292. No. N. P. 70.	254331. No. N. P. 109.
254254. No. N. P. 32.	254293. No. N. P. 71.	254332. No. N. P. 110.
254255. No. N. P. 33.	254294. No. N. P. 72.	254333. No. N. P. 111.
254256. No. N. P. 34.	254295. No. N. P. 73.	254334. No. N. P. 112.
254257. No. N. P. 35.	254296. No. N. P. 74.	254335. No. N. P. 113.
254258. No. N. P. 36.	254297. No. N. P. 75.	254336. No. N. P. 114.
254259. No. N. P. 37.	254298. No. N. P. 76.	254337. No. N. P. 115.
254260. No. N. P. 38.	254299. No. N. P. 77.	254338. No. N. P. 116.
254261. No. N. P. 39.	254300. No. N. P. 78.	254339. No. N. P. 117.
254262. No. N. P. 40.	254301. No. N. P. 79.	254340. No. N. P. 118.
254263. No. N. P. 41.	254302. No. N. P. 80.	254341. No. N. P. 119.
254264. No. N. P. 42.	254303. No. N. P. 81.	254342. No. N. P. 120.
254265. No. N. P. 43.	254304. No. N. P. 82.	254343. No. N. P. 121.
254266. No. N. P. 44.	254305. No. N. P. 83.	254344. No. N. P. 122.
254267. No. N. P. 45.	254306. No. N. P. 84.	254345. No. N. P. 123.
254268. No. N. P. 46.	254307. No. N. P. 85.	254346. No. N. P. 124.
254269. No. N. P. 47.	254308. No. N. P. 86.	
254270. No. N. P. 48.	254309. No. N. P. 87.	

254347 to 254355.

From Iraq and Afghanistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division Beltsville, Md. Received Dec. 2, 1958. From Iraq unless otherwise noted.

254347 and 254348. AMMI COPTICUM L. Apiaceae.

254347. Col. No. K1268. Kirkuk bazaar. July 6, 1958.

254348. Col. No. K1269. Kirkuk bazaar. July 6, 1958.

254349. *CARDUUS* sp. Asteraceae.

Col. No. K1760. Eighteen km. southwest of Kabul, Afghanistan.
August 4, 1958.

254350. *CIRSIIUM* sp. Asteraceae.

Col. No. K900. Thirty-three km. south of Baghdad. June 6, 1958.

254351. *CUMINUM CYMINUM* L. Apiaceae.

Cumin.

Col. No. K1274. Kirkuk bazaar. July 6, 1958.

254352. *OCIMUM BASILICUM* L. Menthaceae.

Basil.

Col. No. K1273. Kirkuk bazaar. July 6, 1958.

254353. *PIMPINELLA ANISUM* L. Apiaceae.

Anise.

Col. No. K1272. Kirkuk bazaar.

254354. *SCABIOSA* sp. Dipsacaceae.

Col. No. K1186. South side of Riber Zab, Mosul-Erbil road. Plant about one meter high, abundant; heads large, purple.

254355. *SCABIOSA* sp.

Col. No. K1217. Eighty-eight km. north of Mosul. July 1, 1958.

254356. *PINUS PUMILA* Regel Pinaceae. **Japanese stone pine.**

From Japan. Seeds presented by the Experimental Forest Station, Kyoto University, Kitashirakawa, Kyoto. Received Dec. 3, 1958.

Collected at Teshikaga, Kushiro District, Hokkaido, October, 1958.

254357. *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**

From Denmark. Scions presented by Count F. M. Knuth, Knuthborg, Bandholm. Received Dec. 1, 1958.

'Cox's Orange', Oreby strain. Found about 30 years ago, in the orchard at Oreby Castle, near Sax Kobing (Lloland Island). Strain very similar to, if not identical with, 'Blangsted' (Kortegard's strain).

254358 to 254407.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Dec. 2, 1958.

254358 to 254360. *BRASSICA CAMPESTRIS* L. Brassicaceae.

Bird rape.

254358. 'Toria'. (dip. $2n=20$) T. 22.

254359. 'Sarson'. T. 88.

254360. 'Toria'. (autotetra. $4n=40$).

254361. *BRASSICA JUNCEA* (L.) Coss.

Chinese mustard.

T. 167.

254362. *BRASSICA NIGRA* (L.) Koch.

Black mustard.

254363 to 254366. *CARTHAMUS TINCTORIUS* L. Asteraceae.

Safflower.

254363. 'V. Mahmudpur-Pusa'.

254364. 'V. Garhia-Pusa'.

254365. 'V. Guara-Pusa'.

254366. 'V. Harpur-Pusa'.

254367 and 254368. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae. **Guar.**

254367. 'Pusa Mausmi'.

254368. 'Pusa Sadabahar'.

254369. *HIBISCUS CANNABINUS* L. Malvaceae.

Kenaf.

N.P. 3.

254370. *HIBISCUS SABDARIFFA* L. Roselle.
N.P. Sab. 5.
254371. *LINUM ANGUSTIFOLIUM* Huds. Linaceae. Narrowleaf flax.
254372. *LINUM GRANDIFLORIUM* Desf. Flowering flax.
254373. *LINUM NARBONENSE* L. Narbonne flax.
254374. *LINUM PERENNE* L. Perennial flax.
254375 to 254403. *LINUM USITATISSIMUM* L. Common flax.
254375. No. B. R. 1.
254376. No. B. R. 9.
254377. No. B. R. 12.
254378. No. C. F. White.
254379. No. I.P. I. 6.
254380. No. M10.
254381. No. S36.
254382. No. K2.
254383. No. N-55.
254384. No. NC 5-2.
254385. No. T477.
254386. No. T 1193/2.
254387. No. N. P. (R.R.) 5.
254388. No. N. P. (R.R.) 9.
254389. No. N. P. (R.R.) 37.
254390. No. N. P. (R.R.) 38.
254391. No. N. P. (R.R.) 45.
254392. No. N. P. (R.R.) 197.
254393. No. N. P. (R.R.) 204.
254394. No. N. P. (R.R.) 261.
254395. No. N. P. (R.R.) 262.
254396. No. N. P. (R.R.) 267.
254397. No. N. P. (R.R.) 272.
254398. No. N. P. (R.R.) 405.
254399. No. N. P. (R.R.) 407.
254400. No. N. P. (R.R.) 438.
254401. No. N. P. (R.R.) 439.
254402. No. N. P. (R.R.) 440.
254403. No. N. P. (R.R.) 494.
- 254404 to 254406. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
254404. 'Guara' (Pusa).
254405. 'Mahmadpur-Birauli' (Pusa).
254406. 'Garhia' (Pusa).
254407. *SESAMUM INDICUM* L. Pedaliaceae. Sesame.
N.P. 6.

254408 to 254410.

From Hungary. Seeds presented by the Foreign Agricultural Service, Budapest.
Received Dec. 2, 1958.

Collected at Eger, Heves.

254408. *AVENA SATIVA* L. Poaceae. Common oats.
 254409. *HORDEUM* sp. Poaceae.
 254410. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.
 254411. *VICIA SATIVA* L. Fabaceae. Common vetch.

From Jordan. Seeds presented by the Agricultural Research Service, Ministry of Agriculture, Amman. Received Dec. 2, 1958.

'Bakiyah'. Grown in Jordan, where rainfall is sufficient, and in the Jordan Valley under irrigation. Yields to 100 kgs. of seed per donum (0.22 acre).

254412 to 254427.

From Great Britain. Plans presented by the Royal Botanic Gardens Kew, England. Received Dec. 2, 1958.

Localities given are former sources.

254412. *SANSEVIERIA ANGUSTIFLORA* Lindl. Liliaceae.

Natal or Zululand.

254413. *SANSEVIERIA AUBRYTIANA* Carr.

Tropical Africa.

254414. *SANSEVIERIA CANICULATA* Carr.

Tropical Africa.

254415. *SANSEVIERIA CYLINDRICA* Bojer

Tropical Africa.

254416. *SANSEVIERIA GRANDIS* Hook. f.

Tropical Africa.

254417. *SANSEVIERIA GRANDIS* var. *ZULUENSIS* N. E. Br.

Pretoria University, Pretoria, Transvaal.

254418. *SANSEVIERIA KIRKII* Baker

Tropical Africa.

254419. *SANSEVIERIA KIRKII* Baker

'Pulchra'.

254420. *SANSEVIERIA PHILLIPSIAE* N. E. Br.

Eastern Africa.

254421. *SANSEVIERIA SCARBRIFOLIA* Dinter

Pretoria University, Pretoria.

254422. *SANSEVIERIA SENEGAMBICA* Baker

Senegambia.

254423. *SANSEVIERIA SINGULARIS* N. E. Br.

Tropical Africa.

254424. *SANSEVIERIA* sp.

254425. *SANSEVIERIA STUCKEYI* Godef.-Leb.

254426. *SANSEVIERIA SUFFRUTICOSA* N. E. Br.

British East Africa.

254427. *SANSEVIERIA TRIFASCIATA* Prain Liliaceae.

'Hahnii'.

254428 to 254431. *CITRULLUS VULGARIS* Schrad. Cucurbitaceae.

Watermelon.

From Lebanon. Seeds collected by M/Sgt. Floyd B. Hutton, APO 379, New York. Received Dec. 2, 1958.

254428. No. 1. Seeds light-colored. August 23, 1958.

254429. No. 2. Seeds dark-colored. September 12, 1958.

254430. No. 3. September 12, 1958.

254431. No. 4. August 16, 1958.

Melons round, to 12 inches in diameter, medium green in color; skins 0.38 inches thick; flesh dark-red, sweet. Apparently disease-free and ship well.

254432 to 254441. CORYLUS AVELLANA L. Betulaceae. Filbert.

From Turkey. Seeds presented by the United States Operations Mission, Ankara.

Received Dec. 3, 1958.

254432. 'Incekara'.

254433. 'Kalinkara'.

254434. 'Kus'.

254435. 'Palaz'.

254436. 'Sirvi'.

254437. 'Sirvi yabani'.

254438. 'Tombul'.

254439. 'Tombul yabani'.

254440. 'Yassibaden'.

254441. 'Yuvarlak gadem'.

254442 to 254532. SIMMONDSIA CHINENSIS (Link) C. Schneid.

Buxaceae.

Jojoba.

From Mexico and Arizona. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 14, 1957. Numbered Dec. 4, 1958.

Collected July to September 1957, in Arizona unless otherwise indicated.

254442. Col. No. 7663. Coarse rocky soil. Elevation 2,500 feet. A mixed collection made in 1946.

254443. Col. No. 16470. Gravel slope. Elevation 2,000 feet. Shrub large with spreading 'white' branches; capsules long pointed, few two- or three-fascicled; seeds large, not bitter.

254444. Col. No. 16471. Gravel slope. Elevation 2,900 feet. Shrub symmetrical; seeds not bitter.

254445. Col. No. 16794. Gravel slope. Elevation 2,600 feet. Spreading shrub to three feet high; capsules long-pedunculate, more than 50 percent are three- to six-fasciculate, one- to two-seeded. The seed size and peduncle length are desirable characters and the progeny should be screened.

254446. Col. No. 16795. Gravel slope. Tall shrub with shoots to six feet long; flowers at every node; flowering prolific.

254447. Col. No. 16976. Gravel slope. Elevation 2,600 feet. Shrub to three feet high, open habit.

254448. Col. No. 16797. Gravel slope. Elevation 2,600 feet. Low-branched shrub to three feet high; capsules long-pedunculate, large, thick with single large seed. The low habit and large seeds suggest its progeny be tested for these characters and suitability to culture.

254449. Col. No. 16798. Gravel slope. Elevation 2,600 feet. Large, leafy shrub with long shoots; flowers at every node. Plant should be studied for yield possibilities.

254450. Col. No. 16799. Elevation 2,600 feet. Spreading bush to four feet high; capsules long; seeds long; wax content of seed 45.1%.

254451. Col. No. 16800. Gravel slope. Elevation 2,600 feet. Vigorous shrub to six feet high; shoots long; seeds large, yield light. Of interest for its tall vigorous habit.

254452. Col. No. 16801. Rocky slope. Elevation 2,600 feet. Large, heavy yielding shrub; capsules medium-size, ovoid; seeds single, oblong.

254453. Col. No. 16802. Rocky slope. Elevation 2,600 feet. Tall, bushy shrub; about 2% of capsules two- to three-fasciculate, but not dehiscing. The clustered fruit character and seed size makes this a lot for progeny selection.
254454. Col. No. 16803. Rocky gully. Elevation 2,600 feet. Shrub with medium size elliptic capsules; wax content of seeds 42.8%.
254455. Col. No. 16804. Superior. Elevation 2,700 feet. Seeds from mixed collection.
254456. Col. No. 16807. Arboretum, Superior. Erect, symmetrical shrub to seven feet high with spreading crown, polypodial; flowers at alternate nodes; seed capsules long, few.
254457. Col. No. 16808. East of Superior, road to Phoenix. Elevation 2,000 feet. Robust spreading shrub to 4.5 feet high; leaves large, glaucous; seeds large, grooved, light brown.
254458. Col. No. 16809. Along Apache Trail. Elevation 3,000 feet. A mixed collection from shrubs below Roosevelt Dam.
254459. Col. No. 16814. Rocky alluvium, Cave Creek. Elevation 2,000 feet. Small, low-spreading bush; foliage light; capsules about 20% fruit, two- to four-fasciculate; flowers at every node. The clustered fruits should be reflected in the progeny by superior yielding individuals under cultivation.
254460. Col. No. 16815. Granitic alluvium, Cave Creek. Elevation 2,100 feet. Tall shrub, with open habit; foliage sparse, at every other node; capsules large, one- to three-seeded; seeds large.
254461. Col. No. 16816. Cave Creek. Elevation 2,100 feet. Seed collected from several shrubs.
254462. Col. No. 16817. Granitic sand, northeast of Camp Creek. Elevation 3,500 feet. Low-spreading, open shrub; stem few; leaves sparse, large; capsules large, single-seed; seeds large. Selected for low, open habit with non-bushy base and large seed.
254463. Col. No. 16818. Granitic sand, northeast of Cave Creek, along Camp Creek road. Elevation 3,100 feet. Slender, erect shrub; branches arching; fair set of large double-seeded capsules that dehisce. Selected for habit.
254464. Col. No. 16819. Granitic slope, two miles south of Camp Creek. Elevation 3,600 feet. Plant cold-hardy, six feet high; capsules few, which split freely on drying; seeds dark brown to black.
254465. Col. No. 16821. Granitic slope two miles south of Camp Creek. Elevation 3,600 feet. Small, spreading, cold-hardy shrub; leaves large, capsules large.
254466. Col. No. 16822. Granitic slope south of Camp Creek. Elevation 3,600 feet. Small, erect, cold-hardy shrub; leaves sparse; seeds russet.
254467. Col. No. 16823. Granitic slope, camp Creek. Elevation 3,500 feet. Bush to six feet high; shoots long; capsules extremely long, slender. The long capsules may produce seeds of large size.
254468. Col. No. 16824. Granitic slope four miles south of Camp Creek. Elevation 3,100 feet. Shrub well-formed; leaves sparse; capsules small, good set, dehiscing readily; seeds single, russet colored, uniform.
254469. Col. No. 16825. Granitic slope four miles south of Camp Creek. Elevation 3,100 feet. Bush to nine feet high; leaves glaucous-green, thick; shoots strong; new growth setting flowers at every node; capsules ovate, thick; seeds dark brown, large, deeply furrowed, short. Probably of cold-hardy strain.
254470. Col. No. 16826. Granitic slope. Elevation 3,100 feet. Cold-hardy bush, six feet high; seeds large, black.
254471. Col. No. 16827. Granitic slope four miles south of Camp Creek. Elevation 3,100 feet. Tall, cold-hardy shrub with good habit, open at base; internodes long; capsules long one-seeded; seeds russet-colored.
254472. Col. No. 16828. Granitic slope, four miles south of Camp Creek. Elevation 3,100 feet. Tall, slender bush; internodes long; leaves sparse;

- capsules, long-pedunculate; seeds large. The long-peduncled, large-seeded cluster of capsules, together with its slender vigorous habit in this northern locality, makes it one of the most outstanding shrubs encountered.
254473. Col. No. 16829. Granitic slope. Camp Creek. Elevation 3,100 feet. Large, spreading shrub, stems few; branches strong; capsules round, two- to three-seeded. Collected primarily for wax analysis of the round capsule form.
254474. Col. No. 16831. Granitic slope about four miles south of Camp Creek. Elevation 3,100 feet. Dense-branched bush to three feet high; internodes and peduncles short; capsules small, many two- to seven-fascicled, drying out prematurely.
254475. Col. No. 16833. Granitic slope. Camp Creek. Elevation 3,100 feet. Shoots long; leaves large, long; capsules few, long, dehiscent. May prove useful in breeding.
254476. Col. No. 16834. Granitic slope. Camp Creek. Elevation 3,100 feet. Bush three feet wide, five feet high; leaves glaucous; seeds large, dark-brown, scabrous; capsules two- to three-fascicled.
254477. Col. No. 16836. Granitic slope near wash. Cave Creek. Small, erect bush; capsules small; seeds small.
254478. Col. No. 16885. Tucson. Elevation 2,000 feet. Mature, cultivated bush, about 18 years old. Reported to yield small seed this year.
254479. Col. No. 16877. Igneous gravel, Kofa Mountains. Elevation 2,500 feet.
254480. Col. No. 16716. Rocky slope above Calentura, Baja California, Mexico. Elevation 1,000 feet. Spreading bush to four feet high; stems white; branches few-leaved, fruit bunches at every node, ripening prematurely. Collected June 20.
254481. Col. No. 16748. Sandy soil, Santo Tomas, Baja California, Mexico. Elevation 500 feet. Old, vigorous plant to five feet high; leaves large; shoots strong; capsules few, very large, thick-valved, one- to two-seeded, occasionally two- to three fascicled; peduncles long; seeds large, light brown color, ripening early, dehiscent freely.
254482. Col. No. 16750. Santo Tomas Valley, Baja California, Mexico. Elevation 1,000 feet. Seeds a mixed collection.
254483. Col. No. 16751. Rocky soil, Santo Tomas, Baja California, Mexico. Elevation 550 feet. Individual plant; fruit clustered, capsules small, regular, at every node.
254484. Col. No. 16754. Coarse alluvium, Santo Tomas, Baja California, Mexico. Elevation 500 feet. Individual plant; fruits two- to three-fascicled, prematurely ripening.
254485. Col. No. 16755. Sedimentary hills, Santo Tomas, Baja California, Mexico. Elevation 1,000 feet. Dense shrub; capsules clustered, prematurely ripening.
254486. Col. No. 16757. Coarse sandy soil, Santo Tomas, Baja California, Mexico. Elevation 500 feet. Large, spreading shrub; fruits about 20% fascicled; seed small, irregular, drought-inhibited.
254487. Col. No. 16766. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Low-spreading, caespitose shrub; fruits over 20% three- to five-fascicled; flowers at every node; capsules long, one- to three-seeded; seeds said to be largest found in the California group of fascicled fruit forms.
254488. Col. No. 16767. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Dense, bushy shrub to four feet high; flowers at every node; capsules heavy set, medium sized; seeds green, turning brown at maturity.
254489. Col. No. 16768. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Bushes green; branches erectly ascending; multi-stemmed; capsules small, about 10% two- to three-fascicled; flowers at every node; seeds small.

254490. Col. No. 16769. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Open spreading shrub with drought-killed branches; capsules old, long, obovate or bell-shaped; seeds large.
254491. Col. No. 16770. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Mixed collection.
254492. Col. No. 16771. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Shrub tall; branches long; leaves dark green, rugose; capsules dark-colored, long, with stiff, reflexed, sepal lobes.
254493. Col. No. 16772. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Tall, open shrub; capsules few, long; seeds brown in green unfilled capsules, splitting easily.
254494. Col. No. 16773. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Dense, spreading shrub about three feet high with many stems; seeds large, single with distal beak. Good for progeny selection for large seeds and vigorous shoot growth.
254495. Col. No. 16774. San Vicente (km. 198), Baja California, Mexico. Elevation 500 feet. Long, slender shrub; branches white; leaves sparse; flowers at every node; capsules long; seeds large.
254496. Col. No. 16775. Hilly slope, San Vicente (km. 198), Baja California, Mexico. Elevation 500 feet. Spreading shrub to four feet high; leaves large, green; capsules large, green, long-ovoid; peduncles medium length; seeds large.
254497. Col. No. 16776. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Shrub to four feet high; leaves large, green; capsules large, long-ovoid; seeds large, dark brown with pubescent tip, mostly single.
254498. Col. No. 16777. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Broomy habit, shrub to five feet high; capsules few, large, ovoid; seeds one to two, large, reddish, beaked, dehiscent.
254499. Col. No. 16778. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Low, small shrub; leaves glaucous-gray, small; capsules pointed, numerous, drought-withered and sunburned; peduncles short to medium-long.
254500. Col. No. 16779. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Spreading shrub to three feet high; branches irregular; leaves few; capsules medium-sized, fair set; pods short, one- to two-seeded.
254501. Col. No. 16780. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Leafy shrub to four feet high; capsules small; seeds small.
254502. Col. No. 16781. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Open habit; symmetrical shrub to four feet high; leaves few; capsules large, pointed, ovoid; seeds large.
254503. Col. No. 16782. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Cespitose shrub to two feet high and six feet wide; branches curving; capsules few; seeds large.
254504. Col. No. 16784. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Cespitose, spreading shrub; stems from base three feet high; branchlets strong and long-pedunculate; flowers at every node; capsules large, oblong, or variable, mostly single; seeds large. A good seedling type apparently carrying some genes for clustered fruits which may result in a percentage of progeny with this type; good fruiting forms in area.
254505. Col. No. 16785. Sandy mesa, San Vicente, Baja California, Mexico. Elevation 500 feet. Bush to two feet high; capsules round; seeds single, short, wrinkled, russet.
254506. Col. No. 16792. San Jacinto, Baja California, Mexico. Elevation 1,000 feet. Erect bush to six feet high; leaves large, green; flowers at every node; peduncles short; seeds deeply furrowed, early; capsules large, round, mostly one-seeded. Excellent habit and outstanding for capsule size.

254507. Col. No. 16793. Gravel soil, Rosarie, Baja California, Mexico. Open habit slender shrub; branches few, long, ascending; capsules few, long, prematurely ripened by drought.
254508. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Symmetrical, erect, vigorous, leafy, dense shrub; stems erect without bushy branching below; capsules slender, long-peduncles, few, occasionally fascicled; fruit late maturing. Potentially a heavy yielder.
254509. Col. No. 16838. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Large old shrub; capsules many, some fascicled, drought inhibited; seeds small.
254510. Col. No. 16839. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Old shrub to six feet high, fairly leafless at fruiting time; capsules small, two- to three-seeded; seeds small, drought-inhibited.
254511. Col. No. 16840. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Vigorous, open shrub to six feet high; branches strong, pliant; leaves dark green; capsules large, one- to two-seeded, about 20 percent are fascicled; peduncles long, strong.
254512. Col. No. 16841. Sandy alluvium, Calentura Valley, Baja California, Mexico. Elevation 200 feet. Narrow, erect shrub to six feet high; several stems, strict; branchlets short, stiff leaves clustered, green; capsules, many, fairsize, mostly green, starting to dehisce; seeds single, long, smooth, pubescent at tip, brown.
254513. Col. No. 16842. Sandy clay loam, San Vicente, Baja California, Mexico. Elevation 400 feet. Open habit shrub; branches few, elongate; leaves sparse, medium size; capsules large, one- to three-seeded, mostly single, on long peduncles; seeds large.
254514. Col. No. 16843. Sandy clay loam, San Vicente, Baja California, Mexico. Elevation 400 feet. Open shrub to four feet high; foliage gray, canescent; capsules small, numerous, at every node, one-seeded; calyx canescent; seeds very small, late maturing.
254515. Col. No. 16844. Clay soil, Santa Marta, Baja California, Mexico. Elevation 500 feet. Mixed collection.
254516. Col. No. 16847. Gravel fan, Santo Tomas, Baja California, Mexico. Elevation 500 feet. Multistemmed bush to three by six feet; internodes short; capsules about 20 to 30 percent two- to three-fascicled, hulls slip easily from calyx; seeds one to three, light brown, size variable.
254517. Col. No. 16862. Sandy alluvium, Calentura Valley, Baja California, Mexico. Elevation 200 feet. Old shrub to five feet high; foliage light green; flowers at every node; capsules ovoid, numerous; seeds variable.
254518. Col. No. 16872. Sandy alluvium, San Telmo Valley, Baja California, Mexico. Elevation 500 feet. Mixed collection from several heavy bearing shrubs.
254519. Col. No. 16873. Granitic alluvium, Calentura Valley, Baja California, Mexico. Elevation 300 feet. Round shrub to two feet high; capsules small, few; seeds small.
254520. Col. No. 16874. Sandy clay loam, Santo Tomas, Baja California, Mexico. Elevation 1,000 feet. Low spreading shrub; capsules numerous, clustered.
254521. Col. No. 16886. Alluvium soil, Calentura Valley, Baja California, Mexico. Elevation 500 feet. Seeds purchased from local residents.
254522. Col. No. 16386. Granitic alluvium, Aguanga, Baja California, Mexico. Elevation 2,400 feet. Dense, symmetrical shrub to five feet high; flowers early, at every node; capsules large, numerous, single-seeded; seeds small. The prolific flower set, twiggy habit, indicate a high yield potential under cultivation.
254523. Col. No. 16850. Granitic alluvium, Aguanga, Baja California, Mexico. Elevation 2,500 feet. Seeds from several shrubs with above average yield.

254524. Col. No. 16851. Granitic alluvium, Aguanga, Baja California, Mexico. Elevation 2,400 feet. Low, wide, caespitose shrub; shoots strong; capsules large; seeds few, larger than average for area.
254525. Col. No. 16852. Granitic alluvium, Aguanga, Baja California, Mexico. Elevation 2,400 feet. Shrub 14 feet high; capsules fair set, elongated, late maturing; seeds longer than average.
254526. Col. No. 16863. Bare, open slope; sedimentary formation, Eden Resort, Baja California, Mexico. Elevation 2,500 feet. Seeds from several mature shrubs; capsules few, small, beginning to dehisce.
254527. Col. No. 16865. Granitic alluvium, Joshua Tree, San Bernardino County, California. Elevation 3,000 feet. Spreading, symmetrical shrub to seven feet high, good habit, cold-hardy; capsules medium size, at every node; seeds mature, single, falling.
254528. Col. No. 16867. Granitic gravel, Barrett, San Diego County, California. Elevation 1,000 feet. Symmetrical, open shrub to four feet high; capsules light-seeded, matures late.
254529. Col. No. 16868. Granitic gravel, Barrett, San Diego County, California. A mixed collection.
254530. Col. No. 16869. Sedimentary loam and clay, Bonita, San Diego County, California. Elevation 400 feet. Seeds from several shrubs, larger ones from along highway benefitting from rain runoff.
254531. Col. No. 16870. Sedimentary clay loam, Bonita, San Diego County, California. Elevation 400 feet. Large, leafy, spreading shrub; seeds light set, large.
254532. Col. No. 16887. Sandy loam, Vista, San Diego County, California. Coit Experimental Planting. Seeds from plants in fifth year of growth without irrigation; large capsules at every node, dehiscing freely; seeds large.

254533 to 254565.

From Syria, Afghanistan and Iraq. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 5, 1958. From Afghanistan unless otherwise noted.

254533. *ALLIUM CEPA* L. Liliaceae. **Onion.**
Col. No. K1732. 'Piass'. Kabul bazaar.
- 254534 and 254535. *ALLIUM PORRUM* L. **Leek.**
254534. Col. No. K1728. 'Candanah'. Kabul bazaar.
254535. Col. No. K1736. Kabul bazaar.
254536. *ALLIUM* sp.
Col. No. K1231. Ninety-seven km. north of Mosul, Iraq. Plants to six dm. high.
254537. *ALLIUM* sp.
Col. No. K1255. Vicinity of Sirank, 142 km. north of Mosul, Iraq. Plants to eight dm. high. Scarce.
254538. *ALLIUM* sp.
Col. No. K1783. Forty km. west of Ghazni.
254539. *APIUM GRAVEOLENS* var. *RAPACEUM* DC. Apiaceae. **Celeriac.**
Col. No. K1270. Kirkuk bazaar, Iraq.
254540. *BRASSICA CAMPESTRIS* L. Brassicaceae. **Bird rape.**
Col. No. K1275. Kirkuk bazaar, Iraq.
254541. *BRASSICA CAMPESTRIS* var. *SARSON* Prain **Sarson.**
Col. No. K1710. 'Shalgam'. Kabul bazaar.
254542. *BRASSICA* sp.
Col. No. K1711. 'Shalgam'. Kabul bazaar.

254543. *BRASSICA CAMPESTRIS* L. Bird rape.
Col. No. K1712. 'Shalgam Balgi'. Kabul bazaar.
254544. *BRASSICA CAMPESTRIS* var. *SARSON* Prain Sarson.
Col. No. K1744. 'Sharshamis'. Kabul bazaar.
254545. *BRASSICA* sp.
Col. No. K1767. 'Sharsham'. Ghazni bazaar. An oil crop.
254546. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.
Col. No. K1729. 'Moorch'. Kabul bazaar.
- 254547 to 254550. *CICER ARIETINUM* L. Fabaceae. Chickpea.
254547. Col. No. K1141. Damascus bazaar, Syria.
254548. Col. No. K1142. Damascus bazaar, Syria.
254549. Col. No. K1309. Salaimaniya bazaar, Iraq.
254550. Col. No. K1713. Kabul bazaar.
254551. *CUCUMIS MELO* var. *FLEXUOSUS* (L.) Naud. Cucurbitaceae.
Col. No. K1727. 'Tarakh'. Kabul bazaar.
254552. *DAUCUS CAROTA* L. Apiaceae. Carrot.
Col. No. K1726. 'Zardak Tbur'. Kabul bazaar.
- 254553 and 254554. *LENS CULINARIS* Medic. Fabaceae. Lentil.
254553. Col. No. K1147. Damascus bazaar, Syria.
254554. Col. No. K1149. Damascus bazaar, Syria.
254555. *LUFFA ACUTANGULA* Mill. Cucurbitaceae. Singkwa towelgourd.
Col. No. K1733. 'Turjee'. Kabul bazaar.
- 254556 to 254559. *PHASEOLUS AUREUS* Roxb. Fabaceae. Mung bean.
254556. Col. No. K1716. Kabul bazaar.
254557. Col. No. K1717. 'Mash'. Kabul bazaar.
254558. Col. No. K1741. 'Charasiah'. Bazaar south of Kabul.
254559. Col. No. K1765. 'Mash'. Ghazni bazaar.
254560. *PRUNUS* sp. Amygdalaceae.
Col. No. K1258. Mosul bazaar, Iraq.
- 254561 and 254562. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.
254561. Col. No. K1276. Kirkuk bazaar, Iraq.
254562. Col. No. K1277. Kirkuk bazaar, Iraq.
254563. *RUBUS* sp. Rosaceae.
Col. No. K1191. South side of River Zab, Mosul-Erbil road, Iraq.
254564. *RUMEX* sp. Polygonaceae.
Col. No. K1779. Forty km. west of Ghazni.
254565. *SPINACIA OLERACEA* L. Chenopodiaceae. Common spinach.
Col. No. K1720. 'Polack'. Kabul bazaar.
254566. *CITRUS SINENSIS* (L.) Osbeck Rutaceae. Sweet orange.
From New Zealand. Budsticks presented by the Department of Science and Industrial Research, Auckland. Received Dec. 8, 1958.
'Rarotonga'. A seedless variety widely planted in New Zealand.
Discovered in Rarotonga where it is used for making orange beer.

254567 to 254571.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique, Yangambi. Received Dec. 29, 1958.

254567. *ORYZA BRACHYANTHA* A. Chev. & Roehr. Poaceae. Rice.
No. RE 570.

254568. *ORYZA GLABERRIMA* Steud. Rice.
No. RE 551.

254569. *ORYZA PERENNIS* Moench Rice.
No. RE 557.

254570. *ORYZA PUNCTATA* Kotschy ex Steud. Rice.
No. RE 534.

254571. *ORYZA STAPFII* Roshev. Rice.
No. RE 548.

254572. CRATAEGUS PINNATIFIDA Bunge Malaceae.**Chinese hawthorn.**

From the United States. Plant growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Dec. 10, 1958.

254573 and 254574.

From Bolivia. Cuttings collected by Ira S. Nelson, Southwestern Louisiana Institute, Lafayette, Louisiana. Received Dec. 11, 1958.

254573. *PODOCARPUS* sp. Taxaceae.
Between Hiculoma and Coroico. Elevation 2,700 meters. Nov. 27, 1958.

254574. (Undetermined.)
No. 426. Cochabamba.

254575 and 254576. BETA VULGARIS L. Chenopodiaceae.**Sugar beet.**

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Dec. 11, 1958.

254575. No. 411. 'Belotserkovskaya'. Collected at the Belotserkovskaya Station, Ukraine Republic.

254576. No. 828. Collected at the Kordelevski Station, Ukraine Republic.

254577. LYCOPERSICON GLANDULOSUM C. H. Mull. Solanaceae.

From Peru. Seeds collected by D. S. Correll and E. E. Smith, collaborators, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 5, 1958.

P-281. Between Yaso and Canta, Lima.

254578 to 254618.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Dec. 12, 1958.

254578. *ATHEROSPERMA MOSCHATUM* Labill. Monimiaceae.

254579. *AZARA PETIOLARIS* (Don) I. M. Johnst. Flacourtiaceae.

254580. *BERBERIS LINEARIFOLIA* Phil. Berberidaceae.

254581. *BUXUS WALLICHIANA* Baill. Buxaceae.

254582. *COPROSMA PETRIEI* Cheesem. Rubiaceae.

254583. *DAPHNE HOUTTEANA* Planch. Thymelaeaceae.

254584. *DAPHNE* sp.

254585. *DRIMYS WINTERI* var. *ANDINA* Reiche Magnoliaceae.

254586. *DRIMYS WINTERI* Forst. Winterbark drimys.
'Latifolia'.
254587. *EUGENIA* sp. Myrtaceae.
254588 and 254589. *FABIANA IMBRICATA* Ruiz. & Pav. Solanaceae.
254588. 'Prostrata'.
254589. 'Violacea'.

254590. *HALIMIUM* × *CISTUS*. Cistaceae.

A bigeneric hybrid. Flowers two inches across, pearly white, with a penciled zone of crimson-maroon and yellow blotches at the base of the petals.

254591. *HYDRANGEA INTEGERRIMA* (Hook. & Arn.) Engler Hydrangeaceae.
254592. *ILEX CASSINE* Walt. Aquifoliaceae. Dahoon.
254593. *ILEX CORALLINA* Franch. Coral holly.
254594. *ILEX FICOIDEA* Hemsl. Holly.
254595. *ILEX FRAGILIS* Hook. f. Holly.
254596. *ILEX HOOKERI* King. Holly.
254597. *ILEX INSIGNIS* Hook. f. Holly.
254598. *ILEX INTRICATA* Hook. f. Nepal holly.
254599. *ILEX PURPUREA* Hassk. Holly.

YU 10918.

254600. *LAURELIA SERRATA* Bert. Monimiaceae.
254601. *KUNZEA SERICEA* (Labill.) Turcz. Myrtaceae.
254602. *MYRSINE RETUSA* Soland. Myrsinaceae.
254603. *OLEARIA CHATHAMICA* T. Kirk. Asteraceae. Daisytree.
254604. *OLEARIA* (hybrid). Daisytree.

O. ilicifolia × *O. lacunosa*.

254605. *OLEARIA LACUNOSA* Hook. f.
254606. *OLEARIA* sp.
254607. *PASSIFLORA* × *ALLARDII* Chitt. Passifloraceae. Passionflower.
254608. *PASSIFLORA MIXTA* L. Passionflower.
254609. *PENTAPTERYGIIUM* (hybrid). Vacciniaceae.

'Ludgvan'. (*P. rugosum* × *P. serpens*).

254610. *PENTAPTERYGIIUM RUGOSUM* Hook.
254611. *AGAPETES SERPENS* (Wight) Sleumer Vacciniaceae.
254612. × *PHILAGERIA VEITCHII* Masters Liliaceae.

(*Lapageria* × *Philesia*).

254613. *PHYLICA* sp. Rhamnaceae.
254614. *PITTOSPORUM DIVARICATUM* Cockayne Pittosporaceae.
154615. *POMADERRIS PHYLICAEFOLIA* Lodd. Rhamnaceae.
254616. *REEVESIA THYSOIDEA* Lindl. Sterculiaceae.
254617. *TRACHELOSPERNUM* sp. Apocynaceae.
254618. *WEINMANNIA TRICHOSPERMA* Cav. Cunoniaceae.

254619. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.

From Argentina. Seeds presented by the Division de Exploraciones e Introduccion de Plantas, Ministerio de Agricultura, Buenos Aires. Received Dec. 15, 1958.

Native to the Chaco region.

254620. RUBUS sp. Rosaceae.

From Bolivia. Seeds collected by Ira S. Nelson, Southwestern Louisiana Institute, Lafayette, Louisiana. Received Dec. 15, 1958.

No. 77. Near Siberia. Oct. 3, 1958. Elevation 2,750 meters.

254621. FICUS SOLDANELLA Warb. Moraceae.**Fig.**

From the Union of South Africa. Seeds presented by the Division of Botany,

Pretoria, Transvaal. Received Dec. 16, 1958.

Much-branched compact bush; leaves roundish, cordate, to six inches long; fruits axillary, globose, three-fourths of an inch in diameter. Native to South America.

254622 to 254624. CITRULLUS VULGARIS Schrad. Cucurbitaceae.**Watermelon.**

From the Sudan. Seeds presented by the Department of Agriculture, Khartoum. Received Dec. 18, 1958.

254622. 'Bol El Homar'. Grown in central, northern and eastern Kordofan. Flesh white; seeds cream-colored; maturing later than 'Nahudi'. Can be stored for long periods.

254623. 'Nahudi'. Grown in Hamar District. Flesh white; seeds white. Can be stored for about 18 months. Best of these three varieties.

254624. 'Red'. Grown in central and northern Kordofan. Flesh white; seeds red; quality poor, but can be stored for long periods.

254625 and 254626. PISUM SATIVUM L. Fabaceae. Garden pea.

From Australia. Seeds presented by the Department of Agriculture, Sydney, New South Wales. Received Dec. 18, 1958.

254625. 'Kellerva'. Formerly from Finland.

254626. 'Lima'. Origin unknown. Introduced to New South Wales before 1928.

254627. ALLIUM CEPA L. Liliaceae.**Onion.**

From the Union of Socialist Republics. Seeds held by the Vegetables and Ornamentals Research Branch, Crops Research Division, Beltsville, Md. Numbered Dec. 22, 1958.

Collected at the Stalin Collective Farm, Tashkent. August 5, 1958. Plants planted very thick in the row; bulbs light tan, 1.5 inches in diameter, round; moderately strong; multiplier type.

254628 and 254629. ALLIUM AMPELOPRASUM var. HOLMENSE Graebn. & Kirchin. Liliaceae.

From Italy. Bulbs presented by L. Chiarappa, Rome. Received Dec. 19, 1958.

254628. From Stintino, Sardinia. October, 1958.

254629. From the Istituto Botanico, University of Rome, Rome. October, 1958.

254630 to 254635. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Cuba. Cuttings presented by the Department of Agriculture, Havana. Received Dec. 22, 1958.

254630. C. 104-49.

254631. C. 525-50.

254632. C. 529-50.

254633. C. 540-47.

254634. C. 676-47.

254635. C. 693-47.

254636 to 254643.

From Great Britain. Presented by the Royal Horticultural Society Gardens, Wisley, Surrey, England. Received Dec. 23, 1958.

Formerly from Turkey.

254636 and 254637. Plants.

254636. *ALLIUM* sp. Liliaceae.

K. W. 22754.

254637. *ALLIUM* sp.

D. H. 26693.

254638 to 254643. Seeds.

254638. *ALLIUM STENOPETALUM* Boiss. & Ky.

D. H. 26720. Mur Dag, Cilicia, Adana Province. Elevation 360 feet.

254639. *ALLIUM* sp.

D. H. 27601.

254640. *ALLIUM ROTUNDUM* L.

D. H. 28487. Mardin-Musaybin, Mardin Province. Elevation 2,250 feet.

254641. *ALLIUM AKAKA* Gmel.

D. H. 29387. Pasinler-Horasan, Erzerum Province. Elevation 4,950 feet.

254642. *ALLIUM SCHOENOPRASUM* L.

D. H. 31427. Munzar Dag, above Ovacik, Tunceli Province. Elevation 4,900 feet.

254643. *ALLIUM* sp.

254644 to 254665. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Dec. 24, 1958.

254644. Van Wert, Ohio

254657. Butler-12-5

254645. Rick LA 155-5-M-17-3

254658. P. A. Young G-1734C-10

254646. Rick LA 83-4-M

254659. Hoffman Globe A.

254647. Rick LA 258-1-14

254660. Rutgers, spontaneous-17-6-M-9-6-6-3

254648. Burdick 91-17

254661. Ohio W-R Globe, colchicine-5-17-5-M

254649. Glecker Golden Glow-10

254650. Butler-11-8-15

254662. (P.I. 212425-18-1 x Butler pr)-3

254651. Butler-2-G2-1

254652. Glecker-Evergreen-3-17

254663. (Bishops sl x P.I. 212425-18)-17

254653. Ker-1-2

254664. Stevenson-23

254654. Kerr-1-12

254665. Larson, John Baer

254655. Kerr-1-M

254656. Burdick 200-19

254666. *JARILLA CHOCOLA* Standley Caricaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 29, 1958.

Col. No. 17679. 'Chocola'. San Bernardo, Sonora. Nov., 1958. A perennial papaya relative, to seven feet high; roots fleshy, edible, comparable to potato in starch content.

254667. CHAMAECYPARIS LAWSONIANA (Murr.) Parl. Pinaceae.
Lawson falsecypress.

From Ireland. Plants presented by the Slieve Donard Nursery Co., Ltd., Newcastle. Received Dec. 29, 1958.

'Argentea'.

254668 to 254678.

From Tasmania. Seeds presented by the Tasmanian Regional Laboratory, Commonwealth Scientific and Industrial Research Organization, Hobart. Received Dec. 29, 1958.

254668. CASUARINA DISTYLA Vent. Casuarinaceae.

Mount Arrowsmith.

254669. EUCALYPTUS COCCIFERA Hook. f. Myrtaceae.

Pine Lake.

254670. EUCALYPTUS OVATA Labill.

Miena, Great Lake.

254671. EUCALYPTUS GLOBULUS Labill.

Blue gum.

Breona.

254672. EUCALYPTUS SUBCRENULATA Maiden & Blakely

National Park. High elevation.

254673. EUCALYPTUS SUBCRENULATA Maiden & Blakely

National Park. Forest type.

254674. EUCALYPTUS TASMANICA Blakely

Plant not very hardy. Juvenile foliage ornamental.

254675. EUCALYPTUS FERRINIANA (F. Muell.) Rodw.

Plant not very hardy. Juvenile foliage ornamental.

254676. EUCALYPTUS PAUCIFLORA Sieb.

White gum.

Breona. Fruits large.

254677 and 254678. EUCALYPTUS SIMMONDSII Maiden

254677. Mount Arrowsmith. Fruits large.

254678. Mount Arrowsmith. Fruits small.

254679. PHASEOLUS PANDURATUS Mart. Fabaceae.

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Dec. 29, 1958.

254680. IPOMOEA sp. Convolvulaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 29, 1958.

Col. No. 17651. Sejaqui, Sonora. Elevation 1,500 feet. Vine, flowers blue; possibly *I. pedicellaris*.

254681 to 254691.

From Japan. Plants presented by T. Rokujo, Senkawa-Machi, Tokyo. Received Dec. 30, 1958.

254681 to 254683. CAMELLIA JAPONICA L. Theaceae.

Common camellia.

254681. 'Hana-Fuki'.

254682. 'Komyo'.

254683. 'Serratifolia'.

254684. CAMELLIA RETICULATA Lindl.

'Kotcho-Wabisuke'.

254685 to 254689. *CAMELLIA RUSTICANA* Honda

254685. 'Kirin-no-Homare'.

254686. 'Koshi-no-Haru'.

254687. 'Koshi-no-Hime'.

254688. 'Seki-no-Yume'.

254689. 'Yuki-komachi'.

254690. *CAMELLIA SASANQUA* Thunb.

Sasanqua camellia.

'Asahi-Botan'.

254691. *CAMELLIA* sp.

'Uraku Kitamura'.

254692. *SOLANUM MURICATUM* Ait. Solanaceae.

Pepino.

From Guatemala. Cuttings presented by the United States Operations Mission, Guatemala City. Received Dec. 30, 1958.

254693 and 254694.

From the Union of South Africa. Material presented by the Department of Agriculture, Pretoria. Received Dec. 31, 1958.

254693. *SENECIO TAMOIDES* DC. Asteraceae.

(Plants.)

254694. *MUSA DAVYAE* Stapf Musaceae.

(Seed.)

INDEX OF COMMON AND SCIENTIFIC NAMES

- Abelia* sp., 246814.
Abelmoschus tuberculatus, 249621.
Abies concolor, 244912, 253667, 253668.
 delavayi, 253669.
 fabri, 244913.
 forrestii, 253670.
 lasiocarpa, 253671.
 var. *arizonica*, 253672.
 procera, 253673.
 squamata, 253674.
 × *vilmorinii*, 253675.
Abroma augusta, 246672, 249424.
Abrus precatorius, 246673, 249425.
Abutilon megapotamicum, 246815.
 striatum, 249210.
Acacia cultriformis, 246816.
 decurrens, 247447.
 macrothyrsa, 247448.
 mollissima, 247449.
 sp., 249222.
Acacia, knife. See *Acacia cultriformis*.
Acalypha wilkesiana, 246819-246821.
 sp., 246817, 246818.
Acanthopanax divaricatum, 246753.
Acanthosicyos horrida, 249945.
Acer capillipes, 245024.
 cappadocicum, 247104.
 carpinifolium, 245025.
 japonicum, 247272.
 negundo, 247105.
 platanoides, 247106, 247107.
 pseudo-platanus, 247108, 247109.
 tetramerum, 247273.
 sp., 244985.
Acrocomia sclerocarpa, 251087.
Actinidia chinensis, 252006, 252007.
Actinophloeus sanderianus, 249485.
Adenanthera pavonina, 249426.
Adenocarpus mannii, 248182.
Adiantum trapeziforme, 248342.
 sp., 248106, 249087.
Aechmea calyculata, 247959.
 sp., 248011, 248031.
Aegilops crassa, 245725.
 speltoides, 245726.
 triuncialis, 250696, 250908.
Aerva tomentosa, 249136.
Aeschynomene sp., 249575.
Aesculus neglecta, 248146.
 pavia, 248147.
Agave angustissima, 254096.
 collina, 246022.
 cupreata, 246023.
 goldmaniana, 246024.
 harrisii, 245976.
 lophantha, 246025.
 mapisaga, 246026.
 mescal, 254097.
 palmeri, 254098.
 parviflora, 254099.
 yaquiana, 254100.
 sp., 245977, 246027, 252061, 254101,
 254102, 154103, 254104, 254105.
Agave, crested. See *Agave lophantha*.
Aglala odorata, 246822.
Agropyron caninum, 252044, 253290.
 cristatum, 249142, 250909, 250910,
 251096.
 desertorum, 249143.
 elongatum, 249144, 251443.
 intermedium, 249145, 253430.
 repens, 253431.
 trichophorum, 249146.
Agrostis alba, 251097-251099, 251250,
 251524, 251568-251570, 251944.
 canina, 247432.
 palustris, 251945.
 tenuis, 252045.
Alcallota. See *Cucurbita ficifolia*.
Alder. See *Alnus formosana*.
Alfalfa. See *Medicago sativa*.
 tree. See *M. arborea*.
 yellow-flowered. See *M. falcata*.
Allamanda cathartica, 246420.
 schottii, 246823.
Allium akaka, 245683, 254641.
 albidum, 245676.
 ampeloprasum var. *holmense*,
 254628, 254629.
 bakeri, 249858, 249859, 251871-
 251880.
 cardiostemon, 245677.
 cepa, 245150, 247067, 247068, 248753,
 248754, 249085, 249086, 249538-
 249540, 249898-249903, 250660-
 250662, 251020-251021, 251041,
 251508, 251509, 254533, 254627.
 fuscoviolaceum, 245678.
 globosum, 245684.
 karsianum, 245680.
 macranthum, 253126.
 paradozum, 253127.
 pendulinum, 253128.
 porrum, 249532, 249548, 254534,
 254535.
 rotundum, 254640.
 sativum, 250663.
 schoenoprasum, 254642.
 sphaerocephalon, 245681.
 stenopetalum, 254638.
 ursinum, 253129.
 vineale, 245679.
 sp., 245682, 249541, 249549, 251325,
 251510, 251795, 252051, 253224,
 253225, 253463, 253464, 253465,
 254536, 254537, 254538, 254636,
 254637, 254639, 254643.
Almond. See *Prunus amygdalus*.
Alloteropsis semialata, 244885.
Alnus formosana, 248154.
Alocasia cuprea, 248065.
 lowii, 248107.
 micholitziana, 251010.
 sp., 248108, 248109.
Aloe sp., 246674, 247383, 249088, 249089,
 249090, 249091.

- Alopecurus arundinaceus*, 251380.
pratensis, 251525, 251660, 252046.
Alpinia speciosa, 247138.
Alstroemeria inodora, 247139.
Alvesia rosmarinifolia, 249675.
Alysicarpus rugosus, 247831, 249223.
Alyssum sp., 253139.
Amaranthus tricolor, 246824.
Amherstia nobilis, 253231.
Ammi cpticum, 249114, 253140, 253141, 254347, 254348.
Ampelodesma mauritanica, 253432.
Ampelopsis brevipedunculata var. *maximowiczii*, 246754.
Anacampseros sp., 247766.
Andropogon huillensis, 246376.
Aneimia sp., 247008.
Anemone sp., 249092, 249093.
Anethum graveolens, 253136, 253142.
Angelica sp., 247450.
 Anise. See *Pimpinella anisum*.
Annona cherimola, 248780.
squamosa, 249427.
Anopterus macleayanus, 245969.
Anthemis sp., 250635.
Anthoschmidtia kalahariensis, 249574.
Anthoxanthum odoratum, 249717, 249718, 252047, 253188.
Anthericum sp., 246887.
Anthurium (hybrids), 246604-246614, 249527.
acutum, 248013, 248032.
andraeanum, 246601, 249526.
coriaceum, 247141.
harrisii, 246421, 247260, 247962, 248140.
laceidae, 247961.
scherzerianum, 246602.
 sp., 246603, 247140, 248033, 249428.
Anthyllis vulneraria, 253433.
Apium graveolens, 246333.
graveolens var. *rapaceum*, 254539.
 Apple. See *Malus* spp.*
 common. See *M. sylvestris*.
 Apricot. See *Prunus armeniaca*.
Arachis benthamii, 246355.
hypogaea, 246388-246391, 247367-247382, 248755-248768.
Araucaria angustifolia, 249162, 249429, 249685.
bidwillii, 249430.
 Arborvitae, giant. See *Thuja plicata*.
Archontophoenix alexandrae, 249431.
 sp., 249150.
Ardisia crenata, 249289.
japonica, 246755.
lanceolata, 244974.
Areca catechu, 249433.
triandra, 249434.
wendlandiana, 249496.
Arecastrum romanzoffianum, 249151, 249435.
Arenga engleri, 252050.
Argyrolobium aequinoctiale, 247476, 247494.
shirense, 249576.
 sp., 249577.
Aristida altissima, 247074.
ciliata, 248680.
coerulescens, 250645.
hochsteteriana, 248681.
pennata, 251215.
uniplexis, 248682, 248683.
 sp., 248684.
Aristolochia brasiliensis var. *galatea*, 249436.
cymbifera, 249437.
elegans, 249164.
galeata, 249438.
gigantea, 249163.
grandiflora, 249439.
tagala, 249440.
Arrhenatherum elatius, 249719 249720, 249916, 251415, 251526, 251571-251574, 251661, 251680, 251801, 251802, 251946, 253292-253294.
elatius var. *bulbosum*, 248606, 249686, 249687.
elatius var. *bulbosum* f. *striatum*, 248625.
erianthum, 245729.
 Arrowroot, Bermuda. See *Maranta arundinacea*.
Arum sp., 245946.
Arundinaria anceps, 246398.
Arundinella hirta, 246756.
 Ash. See *Fraxinus* spp.*
 European. See *F. excelsior*.
Asparagus africanus, 247755.
 sp., 246558, 248174, 248175, 248771, 248772, 248773, 251152.
 Aspen, European. See *Populus tremula*.
Asphodelus lusitanicus, 249904.
Aspidosperma polyneuron, 246826, 249290.
Aster linosyris, 249905.
scaber, 246757.
Asteracantha longifolia, 246675.
Astilbe thunbergii, 246759.
thunbergii var. *congesta*, 246758.
Astragalus angustifolius, 253295.
cicer, 246727.
hamosus, 251101.
 sp., 246728, 250290, 253434, 253734.
Atherosperma moschatum, 254578.
Athrotaxis selaginoides, 253676.
Avena byzantina, 250646.
sativa, 245107, 247929-247943, 249721, 249932, 249933, 250664, 250955, 251535, 251536, 251575-251582, 251899, 251900, 252008, 253296, 253297, 253347, 254408.
sativa, var. *aristata*, 251896-251898.
 sp., 253501.
Averrhoa bilimbi, 249441.
carambalo, 249442.
Azara petiolaris, 254579.
 Babassu nut. See *Orbignya barbosiana*.
Bactris colonnata, 247036.
maraja, 249443.
 Bacurubu. See *Schizolobium parahybum*.
Balaka seemenii, 247009.

- Balsam-apple. See *Momordica balsamina*.
 Balsam-pear. See *Momordica charantia*.
 Bamboo. See *Arundinaria anceps*,
Guadua angustifolia, *G. tagoara*,
Sinarundinaria murielae, *S. nitida*.
 marble. See *Chimonobambusa marmorea*.
 Banana. See *Musa* spp.*
 abaca. See *M. textilis*.
Banisteria sp., 249165.
Banksia grandis, 247801.
 Barberry, Wilson. See *Berberis wilsonae*.
 Barley. See *Hordeum* spp.*
 bulbous. See *H. bulbosum*.
 common. See *H. vulgare*.
Barnadesia rosea, 251088.
 Basil. See *Ocimum* spp.*
Bauhinia pruinosa, 249291.
thoningii, 247451.
 sp., 246828, 247452, 249292.
 Bean. See *Phaseolus* sp.*
 common. See *P. vulgaris*.
 lima. See *P. lunatus*.
 mung. See *P. aureus*.
 rice. See *P. calcaratus*.
 runner, scarlet. See *P. coccineus*.
Beckeropsis unisetia, 247477.
 Beech. See *Fagus orientalis*.
 European. See *F. sylvatica*.
 Beet, sugar. See *Beta vulgaris*.
 Befri. See *Indigofera glandulosa*.
Begonia × *angularis*, 247151, 249177, 249178.
arborescens, 249179.
bradeii, 247143, 249180.
convolvulacea, 247150.
fruticosa, 247148.
manicata, 248069.
quadritocularis, 247144.
rubrapilosa, 249181.
vellozoana, 247145.
 sp., 246935, 247146, 247147, 247149, 247152, 247153, 247154, 247243, 247249, 247963, 247964, 247965, 247997, 248014, 248015, 248016, 248067, 248068, 249182, 249183, 249184, 249185, 249186, 249187, 249188, 249189, 249190, 249191, 249192, 249193, 249194, 249195, 249196, 249197, 249198, 249199, 249200, 249293, 250801, 250802.
Beloperone, sp., 246829.
Benincasa hispida, 247760.
Berberis linearifolia, 254580.
wilsonae, 247110, 247111.
Besleria sp., 247010.
Beta macrorrhiza, 247274.
vulgaris, 247275–247281, 248503, 251042, 251511, 251512, 254575, 254576.
 sp., 246392.
 Bilimbi. See *Averrhoa bilimbi*.
Billbergia amoena, 247162.
nutans, 248036.
speciosa, 248017.
 sp., 247155, 248018, 248034, 248035.
Blechnum sp., 247263, 249166.
Blepharocalya tweediei, 249294.
 Bluegrass. See *Poa* spp.*
 bulbous. See *P. bulbosa*.
 Canada. See *P. compressa*.
 Kentucky. See *P. pratensis*.
 roughstalk. See *P. trivialis*.
 wood. See *P. nemoralis*.
 Bluestem. See *Andropogon huillensis*.
 Australian. See *Bothriochloa intermedia*.
 King's Ranch. See *B. ischaemum*.
Boehmeria sp., 254221.
Bothriochloa insculpta, 246334.
intermedia, 245727, 245728, 253335.
ischaemum, 245101–245104, 251100, 251252, 251444, 253291.
 Bottlebrush. See *Callistemon pinifolius*.
 Bougainvillea, great. See *Bougainvillea spectabilis*.
Bougainvillea spectabilis, 246460, 246830.
 Bouncing-bet. See *Saponaria officinalis*.
 Box. See *Buxus wallichiana*.
 common. See *B. sempervirens*.
 Boxelder. See *Acer negundo*.
Brachiaria mutica, 244886.
nigropedata, 253239.
ruziziensis, 247404.
 sp., 248443.
Brachychiton acerifolium, 245088.
Brachypodium distachyon, 245730, 253334.
phoenicoides, 253503.
pinnatum, 249722, 251803, 253298.
ramosum, 251103.
sylvaticum, 251102.
 sp., 249723, 249823, 250647, 251416, 251417, 251445, 253336, 253502.
Brassica campestris, 250129, 250136, 250138, 251235, 251237, 254358–254360, 254540, 254543.
campestris var. *sarson*, 250132, 251238, 254541, 254544.
hirta, 251613, 251780.
juncea, 249555, 250130, 250134, 250139, 250140, 251239, 254361.
napus, 250135, 251236, 251240, 251614.
nigra, 248769–248770, 253722, 254362.
oleracea var. *botrytis*, 244830–244838, 249533, 249556, 250127, 250128.
oleracea var. *capitata*, 244986–245001, 245009–245023, 246046–246119, 246565–246569, 249557, 250419–250424.
oleracea, var. *gemmifera*, 244839–244843, 249534.

- Brassica campestris*—Continued
rapa, 246928, 249558, 249906, 250004,
 251022, 251513.
 sp., 250131, 250133, 250137, 251241,
 251326, 254542, 254545.
- Broadbean. See *Vicia faba*.
- Broccoli. See *Brassica oleracea* var.
botrytis.
- Brome. See *Bromus* spp.*
 bald. See *B. racemosus*.
 field. See *B. arvensis*.
 harlan. See *B. stamineus*.
 meadow. See *B. erectus*.
 Mediterranean. See *B. macro-*
stachys.
 smooth. See *B. inermis*.
- Bromelia fastuosa*, 249295.
 sp., 246616, 246618-246624, 249444.
- Bromus arvensis*, 250066.
auleticus, 247075.
danthoniae, 245731, 245732.
erectus, 251105, 251106, 251804,
 251806, 253193, 253300, 253301.
fasciculatus, 253735.
hordeaceus, 250005.
inermis, 251527, 251681, 251682.
japonicus, 250649, 250650, 250697.
lanceolatus, 250760.
macrostachys, 253504.
mollis, 249137, 250761, 251104,
 253337.
racemosus, 249724, 251217, 251218,
 253736.
ramosus, 253299.
riparius, 251843.
scoparius, 251805, 251976, 253505.
stamineus, 251107.
syriacus, 251381.
tectorum, 245733, 251216.
willdenowii, 250648.
 sp., 252052, 253737.
- Broomcorn. See *Sorghum technicum*.
- Broom. Scotch. See *Cytisus scoparius*.
- Brunfelsia sp., 247156.
- Brussels sprouts. See *Brassica olera-*
cea var. *gemmifera*.
- Bryophyllum beauverdi*, 246422.
scandens, 246445.
tubiflorum, 246423.
uniflorum, 246424.
 sp., 246425.
- Buckeye. See *Aesculus* spp.*
- Buckinghamia celsissima*, 245970.
- Buckwheat. See *Fagopyrum esculen-*
tum.
- Bunchosia armeniaca*, 249296.
- Bunya-bunya. See *Aracaria bidwillii*.
- Buphthalmum speciosum*, 253178.
- Bupleurum* sp., 253143.
- Burclover, California. See *Medicago*
polymorpha var. *vulgaris*.
 spotted. See *M. arabica*.
- Burkea africana*, 249655.
- Burnet, small. See *Sanguisorba minor*.
- Bushclover. See *Lespedeza* spp.*
- Butcher's broom. See *Ruscus aculea-*
tus.
- Butia capitata*, 249153, 249154, 249156,
 249445.
capitata var. *odorata*, 249152,
 249155.
yatai, 249297.
- Buttonclover. See *Medicago orbicu-*
laris.
- Buxus sempervirens*, 245026.
wallichiana, 254581.
- Cabbage. See *Brassica oleracea* var.
capitata.
- Cacao. See *Theobroma cacao*.
- Cactus, Christmas. See *Zygocactus*
truncatus.
- Caesalpinia echinata*, 246831.
leiostachya, 249298.
peltophoroides, 248055.
pulcherrima, 246832, 249446, 294447.
sepiaria, 247453.
spinosa, 249299.
 sp., 249656.
- Cajanus cajan*, 247756-247759, 249622-
 249633.
- Caladium humboldtii*, 246625.
 sp., 246626, 246627, 247157.
- Calamagrostis arundinacea*, 246760,
 251419.
epigejos, 249726.
- Calicoflower. See *Aristolochia elegans*.
- Calliandra brevipes*, 244845.
haematocephala, 248070.
tweedi, 248058.
 sp., 246833.
- Callistemon pinifolius*, 245355.
- Calothamnus villosus*, 245356.
- Calotropis procera*, 249657.
- Calpurnia sylvatica*, 246997.
- Calycophyllum spruceanum*, 249448.
- Calyptracalyx spicatus*, 249449.
- Camel-hay. See *Cymbopogon schoen-*
anthus.
- Camelina sativa*, 253134.
- Camellia, common. See *Camellia ja-*
ponica.
- Camellia granthamiana*, 251534.
japonica, 246761, 246762, 254681-
 254683.
kissi, 252062, 252064.
reticulata, 254684.
rusticana, 254685-254689.
sasanqua, 249450, 254690.
sinensis, 249451, 251011-251013.
 sp., 247313, 254691.
- Camoensia maxima*, 246465, 249167.
- Canavalia ensiformis*, 250074.
gladiata, 247671, 247672.
 sp., 247433.
- Canistrum lindenii* var. *roseum*, 247966.
 sp., 247158, 247159, 247160, 247161.
- Canna* sp., 248728.
- Cannabis sativa*, 249688, 249689, 251219,
 251223, 251253, 251446, 251554, 253965.
- Cantua* sp., 248781.

- Capsicum frutescens*, 246123, 246331, 248169, 249542-249544, 249634-249636, 249907-249911, 250141, 251043, 251044, 251622, 254546.
Caralluma sp., 246014, 246015.
Carambola. See *Averrhoa carambola*.
Carapa guianensis, 249300.
Cardamom. See *Elettaria cardamomum*.
Cardoon. See *Cynara cardunculus*.
Carduus sp., 254349.
Carex sp., 248447, 249727.
Carica sp., 245966.
Carissa grandiflora, 249452.
Carnation. See *Dianthus caryophyllus*.
Carob. See *Ceratonia siliqua*.
Carpinus turczaninowii, 245027.
Carrot. See *Daucus carota*.
Carthamus (hybrids), 251398, 251988, 251989, 253404-253408, 253920-253922.
alexandrinus, 250455-250457, 250588.
arborescens, 253348, 253349.
bacticus, 253350, 253351, 253587-253589.
caeruleus, 253590-253593.
dentatus, 251447-21543, 252009-252017.
flavescens, 252018-252024, 253842-253848, 254082, 254083.
glaucus, 249946-249949, 251254, 251454, 252025-252030, 253352-253355, 253849-253861, 254084-254086.
lanatus, 249131, 249950-249953, 250171-250173, 250291-250296, 250458, 250459, 250698-250703, 250762-250764, 250811, 250812, 250911, 250912, 251455-251461, 252031-252039, 253356-253368, 253506-253509, 253594-253608, 253862-253866, 254087.
nitidus, 253867-253870.
oxyacantha, 248343-248354, 249954-249980, 250174-250178, 250297-250334, 250460-250472, 250589-250594, 250704-250707, 250765-250773, 250813-250818, 250913-250919, 251023, 253471, 253738-253751, 253753-253757, 253872-253884, 254088, 254089.
syriacus, 251255-251261, 253885-253888.
tenuis, 253369-253383, 253889-253891.
tinctorius, 248355-248389, 248623-248634, 248793-248880, 249081, 250006-250012, 250075-250083, 250179-250208, 250335-250354, 250473-250484, 250523-250541, 250595-250611, 250708-250724, 250774, 250819-250842, 250920-250926, 251262-251268, 251284-251291, 251462, 251977-251987, 252040-252042, 253384-253396, 253510-253571, 253758-253765,
- Cathamus* (hybrids)—Continued
tinctorius—Continued
 253892-253897, 253898-253916, 254090, 254363-254366.
 sp., 250000, 250013-250016, 250209, 250355, 250356, 252043, 253397-253403, 253609, 253610, 253752, 253766-253769, 253917, 253918, 253919.
Caryota urens, 253474.
Cassia alata, 246377.
appendiculata, 249453.
bicapsularis, 248037.
corymbosa, 247454.
didymobotrya, 248444.
fastuosa, 249454.
fistula, 249455.
grandis, 249456.
hirsuta, 247405.
javanica, 249168.
kirkii var. *guineensis*, 247458, 249578.
latistipula, 249457.
multijuga, 246834.
occidentalis, 246379.
reticulata, 249301.
siamea, 247455.
speciosa, 248038.
 sp., 246378, 247456, 247457, 247459, 248445, 248446, 249117, 249302, 249303, 249579.
Cassia, ringworm. See *Cassia alata*.
Castanospermum australe, 246427.
Castorbean. See *Ricinus communis*.
Casuarina distyla, 254668.
papuana, 247897.
suberosa, 246835.
 sp., 247896.
Catha edulis, 247768.
Catjang-pea. See *Vigna cylindrica*.
Cattail. See *Typha angustifolia*.
Cayaponia sp., 247906.
Cebil. See *Piptadenia communis*.
Cedar, Cyprian. See *Cedrus brevifolia*.
Cedar of Lebanon. See *Cedrus libanii*.
Cedrela sp., 246836.
Cedrus brevifolia, 244915.
libanii, 244914.
Ceiba pentandra, 247460.
Celery. See *Apium graveolens*.
Celeriac. See *Apium graveolens* var. *rapaceum*.
Cenchrus ciliaris, 244906, 254374, 245375, 249220, 249229, 253258-253271, 253725-253728.
setigerus, 245370.
Centaurea depressa, 251077.
moschata, 251078.
 sp., 250017, 251079, 251080, 253144, 253279-253822, 253479-253486, 253770.
Centrosema plumieri, 247478, 249304.
pubescens, 247406, 247479, 249225.
virginianum, 246121.
Cephaelis ipecacuanha, 249069-249080.
Cephalaria sp., 250018.

- Cephalonema polyandrum*, 249458.
Cephalotus follicularis, 251283.
Cerastium sp., 253489.
Ceratonia siliqua, 248476-248478, 248607-248612, 248620, 248734, 248746-248749, 248752.
Ceratotheca sp., 248448.
 Ceriman. See *Monstera deliciosa*.
Ceropegia robynsiana, 246001.
Ceroxylon andicola, 246800.
Cestrum nocturnum, 247163.
 sp., 246837.
 Chalicevine, showy. See *Solandra grandiflora*.
Chamaecyparis formosana, 248155.
lawsoniana, 247772, 247773, 247779, 254667.
obtusata, 247780.
pisifera, 245333, 245334, 247775-247778, 247781.
 sp., 248156.
 Champac. See *Michelia champaca*.
 Chayote. See *Sechium edule*.
Chenopodium quinoa, 253622-253628.
 Cherimoya. See *Annona cherimola*.
 Cherry, duke. See *Prunus* × *gondouinii*.
 Mahaleb. See *P. mahaleb*.
 sour. See *P. cerasus*.
 sweet. See *P. avium*.
 Chestnut, Moreton Bay. See *Castanospermum australe*.
 Chickpea. See *Cicer arietinum*.
Chimonobambusa marmorea, 246399.
 Chinaberry. See *Melia azedarach*.
 Chives. See *Allium schoenoprasum*.
Chloris gayana, 246351, 246352, 247806-247808, 249226.
Chlorophyton capense, 246885.
Chlorospatha sp., 249528.
Chlorisia speciosa, 246838, 248039, 251089, 249658.
Christiana sp., 249658.
 Christ-thorn. See *Paliurus spina-christi*.
Chrysalidocarpus lutescens, 247011.
Chrysanthemum cinerariaefolium, 251435-251442.
yezoense, 246763.
Chrysopogon gryllus, 251975.
montanus, 249218.
Cicer arietinum, 246396, 249981, 249982, 250142-250144, 250210, 251024-251027, 251226, 251227, 251242, 251243, 251514, 251781-251783, 253226-253228, 253466, 253723, 254547-254550.
Cinnamomum brevifolium, 246660.
daphnoides, 246661.
zeylanicum, 249459.
 sp., 246662-246667.
 Cinnamon-tree. See *Cinnamomum zeylanicum*.
Cirsium sp., 254350.
Cissus discolor, 247189.
 sp., 248176, 248177, 249285, 254091.
 Citron. See *Citrus medica*.
Citropsis articulata, 246125.
daweana, 246784, 247137.
gabunensis, 246126, 247137.
latialata, 245855, 247804.
Citrullus vulgaris, 246029, 246559, 247398, 247399, 248774, 248775, 249008-249010, 249559, 250145, 250146, 251244, 251515, 251796, 251950-251955, 253174, 254428-254431, 254622-254624.
 sp., 248178, 248179.
Citrus (hybrids), 245322, 245323, 248414, 248479, 248494, 250691.
assamensis, 244984.
aurantifolia, 244846, 245146, 248413.
aurantium, 250667, 250677.
grandis, 250679, 250680.
limon, 250666, 250678, 250681-250686.
macroptera, 247870.
medica, 250688-250690.
myrtifolia, 246003.
nobilis, 244964.
sinensis, 244847, 244965-244968, 245147, 247299, 247300, 247751, 248750, 250670-250676, 253124, 254566.
taiwanaica, 250668, 250669.
 sp., 250687.
Clappertonia ficifolia, 246676, 249460.
 Clary, common. See *Salvia sclarea*.
Clematis commutata, 249095.
 sp., 249094.
Cleome sp., 248183.
Clerodendrum thomsonae, 246839.
Cleyera japonica, 244955.
 Clockvine. See *Thunbergia* spp.*
 laurel. See *T. laurifolia*.
 Clove. See *Eugenia caryophyllata*.
 Clover. See *Trifolium* spp.*
 alsike. See *T. hybridum*.
 ball. See *T. nigrescens*.
 berseem. See *T. alexandrinum*.
 crimson. See *T. incarnatum*.
 hop. See *T. agrarium*.
 large. See *T. campestre*.
 small. See *T. dubium*.
 Kenya. See *T. rupellianum*.
 lappa. See *T. lappaceum*.
 Persian. See *T. resupinatum*.
 rabbit-foot. See *T. arvense*.
 red. See *T. pratense*.
 rose. See *T. hirtum*.
 strawberry. See *T. fragiferum*.
 striate. See *T. striatum*.
 subterranean. See *T. subterraneum*.
 white. See *T. repens*.
 zig-zag. See *T. medium*.
Clusia sp., 249169.
Cnestis ferruginea, 247461.
Cnicus benedictus, 251204.
 Cocaine-plant. See *Erythroxylon coca*.
Coccocypselum cordatum, 249261.
Codonocarpus attenuatus, 254971.

- Coffea arabica*, 244833, 244884, 244958–244963, 245148, 245149, 245860, 245862–245921, 247282–247287, 247445, 247446, 247805, 249082, 253928–253930.
canephora, 245151, 247289–247293.
eugeniodes, 249083.
kivuensis, 249084.
liberica, 245152–245154.
racemosa, 244733–244751, 247288.
 sp., 247294–247297, 247462.
 Coffee. See *Coffea* spp.*
 Arabian. See *C. arabica*.
 Liberian. See *C. liberica*.
 Robusta. See *C. canephora*.
Cogniauxia podolaena, 248508.
Cola acuminata, 249305.
Colchicum speciosum, 25108.
Coleus blumei var. *verschaffeltii*, 249769–249807, 251601.
 sp. 246840.
Colliguaja integririma, 248782.
Combretum aubletii, 247012.
paniculatum, 247463.
 sp., 249096.
Copernicia × *vespertilionum*, 244975.
Coprosma petriei, 254582.
 Coral tree. See *Erythrina* spp.*
Corchorus olitorius, 250084.
 sp., 247434.
Cordia goeldiana, 249306.
superba, 246466.
Cordyline australis, 246847.
baueri, 246845.
dracaenoides, 251090.
indivisa, 246844.
rubra, 249307.
 Coriander. See *Coriandrum sativum*.
Coriandrum sativum, 249115, 249116, 250636, 253145, 253146.
 Corn. See *Zea mays*.
 Cornelian-cherry. See *Cornus mas*.
Cornus mas, 245028, 253175.
urbiniana, 245029.
Coronilla varia, 246808.
viminialis, 246729.
 sp., 251807, 251808, 253435.
Corylus avellana, 254432–254441.
Corytholoma bulbosum, 247967, 248111.
Costus sp., 253133.
Cotinus coggygria, 250637.
Cotoneaster congesta, 247769.
horizontalis, 253677.
racemiflora var. *nummularia*, 245030.
 sp., 253678.
 Cotoneaster, rock. See *Cotoneaster horizontalis*.
 Cotton. See *Gossypium* spp.*
 Levant. See *G. herbaceum*.
 Sea-island. See *G. barbadense*.
Cotyledon gibbiflora, 246851.
Coursetia virgata, 249308.
 Cowpea, common. See *Vigna sinensis*.
 Crabwood-tree. See *Carapa guianensis*.
Crambe abyssinica, 247310.
 Cranberrybush, European. See *Viburnum opulus*.
 Sargent. See *V. sargentii*.
 Crapemyrtle, common. See *Lagerstroemia indica*.
 Queen. See *L. speciosa*.
Crataegus aestivalis, 248492.
azerolus, 249616, 249617, 249648, 253714.
pinnatifida, 254572.
 Cress, garden. See *Lepidium sativum*.
Crinum asiaticum, 246653.
Crossopteryx febrifuga, 247464.
Crotalaria aculeata var. *claessensii*, 247495.
alata, 249681.
axillaris, 246380, 247407.
breviflora, 247122.
chrysochlora, 247489.
falcata, 247123.
grantiana, 247124.
incana, 247408, 247480.
intermedia, 247125, 247493.
juncea, 247126, 248491, 250485–250487.
lachnocarpa, 247481.
lebrunii, 247496.
mucronata, 247482, 248450.
ochroleuca, 248455.
ononioides var. *pubescens*, 247673.
oocarpa, 247497.
orthoclada, 247486.
paulina, 247127.
retusa, 247128, 249682.
semperflorens, 249684.
senegalensis, 247435.
sericea, 249683.
spectabilis, 247129.
tenuirama, 247504.
verrucosa, 247130.
 sp., 246381, 247131, 247132, 247483–247485, 247487, 247488, 247490–247492, 247498, 247499, 248449, 248451–248454, 248456–248461, 248685–248694, 249580–249584.
 Crotalaria, showy. See *Crotalaria spectabilis*.
 slenderleaf. See *C. intermedia*.
 striped. See *C. mucronata*.
Croton adipatus, 246841.
 sp., 247164.
 Crownvetch. See *Coronilla varia*.
 Cryptomeria, common. See *Cryptomeria japonica*.
Cryptomeria japonica, 245335, 247770, 247771.
Ctenanthe muelleri, 248019.
 Cucumber. See *Cucumis sativus*.
Cucumis longipes, 249894–249897.
melo, 245735, 246929, 247400–247403, 247894, 247957, 249560, 250109, 251516–251518, 251521, 251778.
melo var. *flexuosus*, 254551.
sativus, 246930, 248778, 249550, 249561, 249562, 250147, 251028, 251519, 251520, 253500.

- Cucurbita ficifolia*, 249913.
maxima, 245142, 249013, 249914.
moschata, 249011, 249012, 249563, 249564.
pepo, 247674, 249014, 249565, 251791.
 sp., 249015-249019.
- Cumin. See *Cuminum cyminum*.
 black. See *Nigella sativa*.
Cuminum cyminum, 254351.
- Cunninghamia konishii*, 248157.
Cuphea hyssopifolia, 244941, 244942.
Cupressus macrocarpa, 247774, 253679.
lusitanica, 247802, 247803.
sempervirens, 246842
torulosa, 253680.
- Current, garden. See *Ribes sativum*.
 Mountain. See *R. alpinum*.
- Cushaw. See *Cucurbita moshata*.
- Cyamopsis tetragonoloba*, 250211-250214, 250357-250360, 253182-253187, 254367, 254368.
Cycas sp., 248071.
Cyclanthera pedata, 247893, 248783.
Cydonia oblonga, 246018, 249208, 249209.
Cymbopogon schoenanthus, 250644.
tortilis, 246764.
- Cynara cardunculus*, 249915.
 sp., 253611.
- Cynodon dactylon*, 246600, 247500, 247675, 251108, 251109, 251809, 253302.
plectostachyum, 247501.
 sp., 248695.
- Cynometra cauliflora*, 246127.
Cynosurus cristatus, 249728, 249729, 250956, 251110, 251662, 251810-251812.
- Cypress, Blutan. See *Cupressus torulosa*.
 Italian. See *C. sempervirens*.
 Monterey. See *C. macrocarpa*.
 Portuguese. See *C. lusitanica*.
- Cypripedium* sp., 248110.
Curtostachys renda, 247013.
Cytisus purpureus, 247112.
scoparius, 247113.
- × *versicolor*, 247114.
 sp., 251327.
- Dactylis glomerata*, 248613-248615, 249147, 249733-249737, 250725, 250843, 250927-250929, 250957-250959, 251111-251113, 251382, 251418, 251463, 251528, 251663, 251684, 251813-251819, 251947, 253303, 253304, 253409-253410, 253612-253615, 253966, 253967.
glomerata var. *hispanica*, 248621, 248622, 249730-249732, 250960, 253411-253413, 253572, 253616.
- Dahoon. See *Ilex cassine*.
- Daisytree. See *Olearia* spp.*
- Dalbergia* sp., 248639.
- Danthonia* sp., 252048, 253189.
- Daphne houtteana*, 254583.
 sp., 254584.
- Darnel. See *Lolium temulentum*.
- Datura arborea*, 247165, 249309.
Datunicarpa elliptica, 246677.
- Daucus carota*, 249535, 251228, 251522, 254552.
- Degeneria vitiensis*, 249421.
- Delonix regia*, 246843.
- Delphinium* sp., 253147, 253148, 253179, 253180.
- Denea forsteriana*, 247014.
- Deschampsia* sp., 250961, 250962, 251114, 251115, 253191.
- Descourainia sophia*, 251523.
- Desmodium ramosissimum*, 247835.
salicifolium, 247839.
tortuosum, 248462.
velutinum, 247833, 247834, 247838.
 sp., 247836, 247837, 248463, 248696.
- Desmoncus pycnananthos*, 247015.
- Devilpepper. See *Rauwolfia* spp.*
 Java. See *R. serpentina*.
- Dianthus* (hybrids), 247416-247431.
caryophyllus, 247031-247035.
- Dichanthium annulatum*, 249211-249216, 249224, 250003.
- Dichorisandra hexandra*, 247166, 248040.
 sp., 246429, 247968.
- Dichrostachys glomerata*, 244976.
- Dicksonia selloviciana*, 248020.
- Dictyosperma* sp., 247016.
- Digitaria purpurea*, 247315.
- Digitaria unguiculis*, 247840.
- Dill. See *Anethum graveolens*.
- Dioclea macrocarpa*, 249462.
- Dioon* sp., 254092.
- Dioscorea composita*, 245003, 252065-252159.
floribunda, 246038, 246659, 247753, 252160-252370.
polygonoides, 246041.
spiculiflora, 245004, 252371-253122.
 sp., 245761, 245923, 246039, 246040, 246042, 246043, 246394, 246395, 248153.
- Diospyros aperbaccarpos*, 246467.
kaki, 249463.
 sp., 250148.
- Diplusodon virgatus*, 251091.
- Dipsacus* sp., 253283.
- Dodonaea* sp., 249097.
- Dogtail, crested. See *Cynosurus cristatus*.
- Dogwood. See *Cornus urbiniana*.
- Dolichos biflorus*, 246403, 246404.
lablab, 246129, 246560, 247133, 247134, 249286.
- Dolichos, twinflower. See *Dolichos biflorus*.
- Dorycnium germanicum*, 253437.
herbaceum, 249824.
pentaphyllum, 251820.
- Douglas-fir. See *Pseudotsuga menziesii*.
 Japanese. See *P. japonica*.
- Dracaena* sp., 246678, 246846, 246848, 246849, 246850, 247167, 248184.
- Dracena, blue. See *Cordyline indivisa*.
 green. See *C. australis*.
- Drimys, winterbark. See *Drimys winteri*.

- Drimys winteri*, 254586.
 var. *andina*, 254585.
Droogmansia sp., 249102.
Drosera sp., 253871.
Duboisia hopwoodii, 249420.
 myoporoides, 246587-246589.
Duranta repens, 247168, 249310, 249464.
Ebenus pinnata, 253617, 253618.
Echeveria chilensis, 246430.
Echinochloa crusgalli, 250096.
 spiralis, 250392.
 Eggplant. See *Solanum melongena*.
Elaeis guineensis, 249465.
Elettaria cardamomum, 245967.
Eleusine coracana, 247761, 247841.
 248523, 248524, 248881, 251627.
 flagellifera, 245371.
Elymus crinitus, 241387.
Elyonurus hirsutus, 245372.
 Emmer. See *Triticum dicoccum*.
Enchylaena tomentosa, 249138.
Ephedra sp., 248784.
Epidendrum ellipticum, 248021.
 fragrans, 247970.
 imatophyllum, 246431.
 sp., 247169, 247969, 248041.
Episcia cupreata, 247170.
Eragrostis sp., 248525, 248526.
Eremopoa persica, 251208.
Eremopogon foveolatus, 249217.
Eremopyrum orientale, 251249, 251378,
 251379.
Eriocaulon magnificum, 249170.
Eriochloa crebra, 244887.
 pseudoacrotricha, 244888.
Eriosema psoraloides, 247502.
 psoraloides var. *grandiflorum*,
 247505, 248464.
 sp., 247503, 249585, 249586, 249587.
Eruca sativa, 250149-250152, 251489-
 251493, 251495-251499, 251788-251789.
Erythrina crista-galli, 249311.
 falcata, 249312.
 mulungu, 249313.
 reticulata, 248141.
 speciosa, 248073, 249314, 249315.
 sp., 249171.
Erythrophloeum guineense, 244977.
Erythroxylon coca, 246852.
Eschbeckia leiocarpa, 246853.
Eucalyptus coccifera, 254669.
 deglupta, 245369.
 erythronema, 247901.
 globulus, 254671.
 grossa, 247902.
 ovata, 254670.
 pauciflora, 254676.
 perriniana, 254675.
 pulverulenta, 246854.
 simmondsii, 254677, 254678.
 subcrenulata, 254672, 254673.
 tasmanica, 254674.
 torquata, 247903, 247904.
 sp., 245972, 247905.
Eugenia caryophyllata, 248142.
 jambos, 246468.
 malaccensis, 246469.
 sp., 246919, 254587.
Eulalia fulva, 249139.
Euonymus sp., 246855, 246856, 246857.
Euphorbia nereifolia, 248598.
 pulcherrima, 245345-245351, 245947,
 245948, 246596, 247812.
 sipotisi, 246432.
 splendens, 246858.
 sp., 247465, 249098.
Euplassa incana, 249316.
Eurya japonica, 244943, 244944.
 nitida, 244945.
Euryops pectinatus, 246998, 247041.
Euterpe edulis, 248022, 249317, 249318.
Fabiana imbricata, 254588, 254589.
Fagopyrum esculentum, 245366, 248411,
 248412.
Fagus orientalis, 245031, 245032.
 sylvatica, 248148-248150.
 Falsebrome. See *Brachypodium* spp.*
 Japanese. See *B. pinnatum*.
 purple. See *B. distachyon*.
 Falsecypress. See *Chamaecyparis for-*
 mosana.
 Hinoki. See *C. obtusa*.
 Lawson. See *C. lawsoniana*.
 Feathergrass. See *Stipa pennata*.
 Feathertop. See *Pennisetum villosum*.
 Fennel. See *Foeniculum vulgare*.
 Fenugreek. See *Trigonella foenum-*
 gracum.
 Fern. See *Adiantum trapeziforme*,
 Dicksonia sellowiana, *Polypodium le-*
 pidopteris.
 Fescue. See *Festuca* spp.*
 great. See *F. gigantea*.
 hard. See *F. var. duriuscula*.
 meadow. See *F. clatior*.
 red. See *F. rubra*.
 shade. See *F. rubra* var. *hetero-*
 phylla.
 sheep. See *F. ovina*.
 tall. See *F. arundinacea*.
Festuca arundinacea, 249738, 250963,
 251122, 251383, 251583, 251584,
 251822, 251823, 253311, 253438.
 clatior, 250964, 251116, 251117,
 251119-251121, 251136, 251420,
 251664, 251685, 251686, 251821.
 gigantea, 253305.
 ovina, 249739, 250967, 251123,
 251125-251129, 251131, 251384,
 251385.
 var. *duriuscula*, 251135.
 ovina var. *glauca*, 250450.
 var. *vivipara*, 251118.
 pungens, 253306.
 rubra, 249740, 249741, 250966,
 251130, 251132-251134, 251138,
 251665, 251687, 251824, 253307,
 253308.
 rubra var. *heterophylla*, 249742,
 251124, 251137, 253190, 253192,
 253194, 253310.
 scoparia, 250451.
 sp., 249743, 250965, 251386, 251421,
 253309.

- Ficus benjamina*, 246859.
burkei, 249649.
infectoria, 248172.
lucescens, 249537.
monckii var. *san-martinianus*, 248074.
roxburghii, 246860, 246861.
soldanella, 254621.
 sp., 247171.
Fieldia sp., 246862.
 Fig. See *Ficus* spp.*
 Benjamin. See *F. benjamina*.
 dotted. See *F. lucescens*.
 Roxburgh. See *F. roxburghii*.
 Figmarigold. See *Mesembryanthemum variable*.
Filago sp., 253149.
 Filbert. See *Corylus avellana*.
 Fir. See *Abies* spp.*
 noble. See *A. procera*.
 white. See *Abies concolor*.
 Firethorn. See *Pyracantha* sp.
Fittonia argyryneura, 246629, 246631.
verschaffeltii, 246630, 246632.
 Flax. See *Linum strictum*.
 common. See *L. usitatissimum*.
 flowering. See *L. grandiflorum*.
 Narbonne. See *L. narbonense*.
 narrowleaf. See *L. angustifolium*.
 perennial. See *L. perenne*.
Flemingia macrophylla, 246122.
 Floripondio. See *Datura arborea*.
 Floss-silk tree. See *Chorisia speciosa*.
 Flowerfence. See *Caesalpinia pulcherrima*.
Foeniculum vulgare, 253150, 253151.
 Foxglove, common. See *Digitalis purpurea*.
 Foxtail. See *Alopecurus arundinaceus*.
 meadow. See *A. pratensis*.
Fragaria (hybrids), 246345-246348, 247311, 247414, 247415, 249122, 251488, 253924-253927, 254110.
chiloensis, 253429, 253586.
moschata, 251485.
orientalis, 251486, 251658, 251659.
vesca, 251045, 251046, 251487, 251797, 253232-253235.
Fraxinus excelsior, 246933.
spaethiana, 247115.
syriaca, 247116.
Furcraea sp., 245978, 245979, 245980, 245981.
Galega officinalis, 251825.
Garcinia dulcis, 246657.
Gardenia lucida, 249466.
thunbergii, 249172.
 Garlic. See *Allium sativum*.
Gazania (hybrids), 248550-248597.
Genista sp., 246863, 249690, 249744, 249745.
Geogenanthus ciliatus, 249531.
Geonoma binervia, 247037.
 decurrens, 247038.
 procumbens, 247039.
 schottiana, 248023, 249319, 249320.
 Gingerlily. See *Hedychium coccineum*.
 India. See *H. gardnerianum*.
Gladiolus sp., 246926, 246927, 247384, 247385, 248724.
Glaucium corniculatum, 253284.
 Glorybower, Thomson. See *Olerodendrum thomsonae*.
Glyceria fluitans, 253195.
Glycine clandestina, 246590, 248252, 248253.
 falcata, 246591, 253237.
 formosana, 245331.
 javanica, 245005, 245006, 247506, 247676, 247832, 248465, 249589.
 javanica var. *clausenii*, 247677.
 max, 245007, 245008, 246365-246369, 247678, 247679, 248395-248410, 248509-248515, 250002, 251585, 251586, 253650-253666.
 schliebenii, 247680.
 tomentella, 245332.
 tomentosa, 253238.
 sp., 248527, 248528.
Gnaphalium japonicum, 246864.
 Goatsrue, common. See *Galega officinalis*.
Gordonia axillaris, 248992.
Gossypium (hybrids), 246033-246037, 247308, 247309, 248490, 249422, 250848, 250849, 251375-251377, 253696, 253697.
 barbadense, 248697, 254619.
 herbaceum, 251234.
 triphyllum, 248698.
 sp., 247316.
 Gourd, bottle. See *Lagenaria siceraria*.
Gourliea decorticans, 249321.
Grammatophyllum speciosum, 253325.
 Granadilla, giant. See *Passiflora quadrangularis*.
 purple. See *P. edulis*.
 Grape. See *Vitis* spp.*
 European. See *V. vinifera*.
 Grass, barnyard. See *Echinochloa crus-galli*.
 bent, Colonial. See *Agrostis tenuis*.
 creeping. See *A. palustris*.
 velvet. See *A. canina*.
 bermuda. See *Cynodon dactylon*.
 black. See *Paspalum plicatulum*.
 buffel. See *Cenchrus ciliaris*.
 canary. See *Phalaris* spp.*
 hood. See *P. paradoxa*.
 large. See *P. aquatica*.
 littleseed. See *P. minor*.
 reed. See *P. arundinacea*.
 cheat. See *Bromus tectorum*.
 chess, soft. See *Bromus mollis*.
 cockatoo. See *Alloterospis semialata*.
 cord. See *Spartina townsendii*.
 cup. See *Eriochloa* spp.*
 Dallis. See *Paspalum dilatatum*.
 esparto. See *Lygeum spartum*.
 goat. See *Aegilops* spp.*
 barb. See *A. triuncialis*.

Grass, barnyard—Continued

- guinea. See *Panicum maximum*.
 Johnson. See *Sorghum halepense*.
 manna. See *Glyceria fluitans*.
 millet. See *Milium effusum*.
 napier. See *Pennisetum purpureum*.
 natal. See *Tricholaena repens*.
 oat, tall. See *Arrhenatherum elatius*.
 tuber. See *A. elatius* var. *bulbosum*.
 orchard. See *Dactylis glomerata*.
 panic, blue. See *Panicum antidotale*.
 rabbittail. See *Lagurus ovatus*.
 red. See *Themeda* spp.*
 reed. See *Calamagrostis* spp.*
 rescue. See *Bromus willdenowii*.
 rhodes. See *Chloris gayana*.
 rice. See *Oryzopsis* spp.*
 Rooi. See *Themeda triandra*.
 rye, Italian. See *Lolium multiflorum*.
 perennial. See *L. perenne*.
 Wimmera. See *L. rigidum*.
 silver, Chinese. See *Miscanthus sinensis*.
 Japanese. See *M. japonicus*.
 smilo. See *Oryzopsis miliacea*.
 sudan. See *Sorghum sudanense*.
 black. See *S. versicolor*.
 sugar. See *Eulalia fulva*.
 star. See *Cynodon plectostachyum*.
 tabucki. See *Sorghum verticilliflorum*.
 Tunis. See *Sorghum virgatum*.
 turpentine. See *Cymbopogon* spp.*
 vanilla. See *Hierochloa odorata*.
 vernal, sweet. See *Anthoxanthum odoratum*.
 wheat, awned. See *Agropyron caninum*.
 crested. See *A. cristatum*.
 intermediate. See *A. intermedium*.
 standard. See *A. desertorum*.
 stiffhair. See *A. trichophorum*.
 tall. See *A. elongatum*.
 Green-ebony. See *Jacaranda mimosifolia*.
 Greigia sp., 246030.
 Greivillea banksii, 249467.
 hilliana, 249322, 249323.
 sp., 249201.
 Grindelia buphthalmoides, 248112.
 Groundcherry, Peruvian. See *Physalis peruviana*.
 Guadua angustifolia, 247958.
 tagoara, 247142.
 Guar. See *Cyamopsis tetragonoloba*.
 Guava, common. See *Psidium guajava*.
 strawberry. See *P. littorale*.
 Guiana-chesnut. See *Pachira aquatica*.

- Guilichma* sp., 247895.
Guizotia abyssinica, 248882–248894.
 Gum, blue. See *Eucalyptus globulus*.
 white. See *E. pauciflora*.
 Gumtree. See *Eucalyptus* spp.
 Gunnera, great. See *Gunnera manicata*.
Gunnera manicata, 248059, 249173.
Gurania villosa, 247248.
Gynura densiflora, 248113.
Hackelochloa granularis, 248532.
Hakea arborescens, 245973.
Halimium × *cistus*, 254590.
Hamamelis (hybrid), 245033.
 japonica, 245034.
 Hawthorn. See *Crataegus* spp.*
 Chinese. See *C. pinnatifida*.
Haynaldia villosa, 251477, 251478.
Hedera helix, 245035.
Hedychium coccineum, 247971, 248075.
 flavescens, 247173.
 gardnerianum, 248042.
 sp., 247174.
Hedysarum coronarium, 249691, 250361.
 flexuosum, 249692.
Helianthus annuus, 245736, 247809, 247810, 250019, 250085, 250542, 250612, 250726, 250850–250856, 251464–251466, 251901, 251902, 251990–251993, 252054, 253414–253418, 253771–253778, 253931, 253932.
Heliconia bihai, 247972.
Helicteres sacarolha, 249468.
Helictotrichon sp., 245734.
 Hemlock, Chinese. See *Tsuga chinensis*.
 Hemp. See *Cannabis sativa*.
Hevea brasiliensis, 246470, 250053–250060, 251566, 251793.
 spruceana, 249324.
Hibiscus abelmoschus, 248442.
 cannabinus, 244859–244868, 248895–248901, 249637, 249638, 249693, 249694, 250086, 250087, 250362, 250363, 250488, 254369.
 csculentus, 247754, 248996–249007, 249620, 250126, 251500.
 sabdarrifa, 249639, 254370.
 sp., 247246, 247466, 247467, 248185, 248466, 249590, 251399.
Hierochloa odorata, 245689.
 redolens, 246393, 248254.
Hippeastrum miniatum, 249808.
 psittacinum, 247960, 248066.
 vittatum, 248012.
 sp., 248785.
 Holly. See *Ilex* spp.*
 American. See *I. opaca*.
 Chinese. See *I. cornuto*.
 coral. See *I. corallina*.
 English. See *I. aquifolium*.
 Himalaya. See *I. dipyrrena*.
 Nepal. See *I. intricata*.
Holmskioldia sanguinea, 247175.
Holocalyx sp., 246865, 247998.
Homalocladium platycladum, 246827.

- Hop*, common. See *Humulus lupulus*.
Hordeum (hybrids), 253815-253841.
agriocrithon, 247048.
brachyantherum, 247049.
bulbosum, 245737, 245738, 247050,
 249746-249748, 250930, 252055,
 253272.
depressum, 247051.
jubatum var. *caespitosum*, 247052.
leporinum, 247053, 247054.
marinum, 247055, 247056.
pusillum, 247058.
spontanum, 245739-245741, 249983,
 253573, 253933.
stenostachys, 247059.
vulgare, 246785-246799, 247057,
 247923-247926, 247927, 247928,
 248635, 249934, 249935, 250489,
 250490, 250613, 250652, 250653,
 250727-250729, 250775-250778,
 250857-250861, 250931, 250968,
 251269, 251467, 251468, 251537,
 251538, 251587-251591, 251994,
 253312, 253313, 253574, 253934.
 sp., 244757-244829, 245742, 247060,
 249984-249988, 250364-250367,
 250491, 251628, 253780, 253935-
 253941, 254409.
- Hornbeam*. See *Carpinus turczan-
 novii*.
Horseradish-tree. See *Moringa oleif-
 era*.
Hovenia dulcis, 249469, 249470.
Humularia sp., 248529.
Humulus lupulus, 250809.
Huntleya melegris, 247973.
Hyacinth-bean. See *Dolichos lablab*.
Hydrangea integerrima, 254591.
Hymenocallis flava, 246867.
 sp., 246866, 247176.
Hyoxyamus niger, 253490.
Hyparrhenia hirta, 245091-245100,
 247079-247086, 250954.
Hypericum patulum, 247782.
erectum, 246765.
lanceolatum, 248152.
 sp., 249099.
Hypochaeris radicata, 249912.
Hypocyrta radicans, 246628, 247251.
Hyptis spicigera, 250116.
Ilex (hybrid), 251775.
aquifolium, 251761-251763, 251771,
 251777.
capensis, 247042.
cassine, 251773, 254592.
corallina, 251764, 254593.
cornuta, 244946-244952.
crenata var. *nummularia*, 253681.
diphyrena, 251765.
fargesii, 251766, 251767.
ficoidea, 254594.
fragilis, 251768, 254595.
georgei, 251776.
hookeri, 251769, 254596.
insignis, 254597.
integerrima, 247177.
- Ilex* (hybrid)—Continued
intricata, 251770, 254598.
melanotricha, 251772.
opaca, 244953.
purpurea, 254599.
yunnanensis, 251774.
 sp., 247317, 249125, 249471-249474.
Impatiens sp., 247017.
- Indigo*. See *Indigofera* spp.*
 creeping. See *I. endecaphylla*.
 hairy. See *I. hirsuta*.
Indigofera arrecta, 247515, 247842,
 247849.
cylindrica, 247043.
emarginella, 247843.
endecaphylla, 247847, 247848.
erecta, 247844.
glandulosa, 249227.
hirsuta, 247845, 248467, 248699.
longebracteata, 247508.
paniculata, 247511.
polysphaera, 247846.
setosissima, 247516.
suaveolens, 247509, 248468.
subulata, 247517.
viscosa, 247512.
 sp., 246382, 247409, 247436, 247507,
 247510, 247513, 247514, 248469,
 248470, 248530, 248531, 248700-
 248707, 249591-249597, 249610,
 251629.
- Inga* sp., 249475.
Inodes blackburniana, 249476.
Ipecac. See *Cephaelis ipecacuanha*.
Ipomoea batatas, 246128, 246409, 246410,
 246477, 246478, 247813-247815,
 248731-248733, 250119-250122,
 251602.
biloba, 249477.
cairica, 249135.
crassicaulis, 246434, 247362, 249478.
dasyperma, 247363.
hederifolia, 249287.
hilderbrandtii, 249890.
 var. *megaensis*, 249891.
horsfalliae, 249325, 249326.
marmorata, 249892.
nil, 249479.
nil var. *limbata*, 248507.
ochracea, 249893.
purpurea, 247364.
tiliacea, 246476.
 sp., 246936, 247318, 247365, 247816-
 247819, 248180, 254680.
- Iresine lindenii*, 246869.
Iris athoa, 249130.
germanica, 246870.
reticulata, 253487.
sisyrinchium, 254779.
 sp., 247387, 247388, 249481, 250061,
 253152.
- Iris*, German. See *Iris germanica*.
 Moraea. See *I. sisyrinchium*.
Ischaemum antheophoroides, 246766.
crassipes, 246767.
pilosum, 249219.

- Ivy, English. See *Hedera helix*.
 Jaburan. See *Ophiopogon jaburan*.
Jacaranda acutifolia, 247999.
 mimosifolia, 246872.
Jacaratia dodecaphylla, 246471, 249482.
 Jackbean, white. See *Canavalia ensiformis*.
Jacobinia carnea, 247179.
 velutina, 248114.
Jacquemontia martii, 249483.
Jagera pseudorhus, 245974.
 Jambolan. See *Syzygium cumini*.
Jarilla chocola, 254666.
 Jasmine. See *Jasminum multiflorum*.
Jasminum multiflorum, 246874.
 sp., 246873.
Jatropha multifida, 248076.
 podagrica, 246435.
 Jerusalem-cherry. See *Solanum pseudocapsicum*.
 Jerusalem-thorn. See *Parkinsonia aculeata*.
Joannesia princeps, 249157, 249158.
 Jojoba. See *Simmondsia chinensis*.
Juglans regia, 245759.
 sp., 245085.
 Juniper. See *Juniperus* spp.*
 Chinese. See *J. chinensis*.
 common. See *J. communis*.
 creeping. See *J. horizontalis*.
 Himalayan. See *J. recurva*.
Juniperus (hybrids), 245341, 245342.
 ashei, 249545.
 chinensis, 247785.
 communis, 245036, 245339, 247783, 253682.
 communis var. *depressa*, 245336, 245337.
 horizontalis, 247784.
 recurva, 245340.
 squamata var. *fargesii*, 247786.
 virginiana, 253683.
 sp., 245338, 249825, 249826, 249827.
Jussiaea bullata, 249327.
 caparosa, 249203.
 longifolia, 249204.
 sericea, 249205, 249206.
Justicia magnifica, 247974.
 sp., 247975.
 Jute. See *Corchorus olitorius*.
Kalanchoe (hybrid), 246451.
 beharensis, 246436.
 carnea, 246437.
 crenata, 246438.
 faustii, 246439.
 fedtschenkoi, 246440.
 humbertii, 246441.
 laciniata, 246442.
 millotii, 246443.
 rotundifolia, 246428.
 serrata, 246446.
 tomentosa, 246448.
 velutina, 246450.
 sp., 246426, 246447, 246449, 246452.
 Kamalatre. See *Mallotus philippensis*.
 Kapok. See *Ceiba pentandra*.
 Kat. See *Catha edulis*.
 Katinga. See *Merrillia caloxylon*.
 Kenaf. See *Hibiscus cannabinus*.
Kentiopsis macrocarpa, 249486.
 Kidneyvetch. See *Anthyllis vulneraria*.
Kitchingia peltata, 246444.
Koeleria cristata, 250651.
Kohleria bogotensis, 247172.
 eriantha, 247264.
Lactuca saligna, 251798, 253229.
 sativa, 249536, 249566, 250020, 250525-250430, 251245-251247, 251501, 251623, 251790.
 serriola, 253230, 253467, 253468.
Lagenaria siceraria, 247681.
Lagerstroemia indica, 246875.
 speciosa, 251092.
Lagurus ovatus, 253338.
Lallemantia iberica, 253135.
 sp., 253153.
Lampranthus aureus, 246999.
 multiradiatus, 247000.
 pittinii, 247001.
 roseus, 247002.
Landolphia sp., 246561.
Lathyrus cicera, 250758.
 sativus, 244756, 249750, 253969.
 sp., 249598, 251139, 253439.
Laurelia serrata, 254600.
Laurustinus. See *Viburnum tinus*.
Lavatera assurgentiflora, 245090.
Lavandula sp., 249695, 249917.
 Leadtree. See *Leucaena* spp.*
 Leek. See *Allium porrum*.
Lefebvreia sp., 248186.
 Lemon. See *Citrus limon*.
Lens culinaris, 250153-250158, 251029-251032, 251248, 251784-251786, 254553, 254554.
 Lentil. See *Lens culinaris*.
Leontodon sp., 250638.
Leopoldinia pulchra, 249487.
Lepidium latifolium, 250021.
 sativum, 250022, 250159, 253154.
 Lespedeza, Chinese. See *Lespedeza cuneata*.
 common. See *L. striata*.
Lespedeza cuneata, 246769.
 X *intermixta*, 246770.
 pilosa, 246771.
 striata, 246768.
 Lettuce. See *Lactuca* spp.*
 garden. See *L. sativa*.
Leucaena (hybrid), 247683.
 leucocephala, 247682, 249488.
 sp., 244940.
Leucospermum nutans, 247003.
 reflexum, 247044.
Libocedrus bidwillii, 253684.
 donniana, 253685.
 formosana, 248158.
Licuala elegans, 249489.
 kumphii, 249490.
 tomentosa, 249328, 249329.

- Lilium auratum*, 246772.
sp., 248725-248727, 253155.
Lily, goldband. See *Lilium auratum*.
Lime. See *Citrus aurantifolia*.
Linoma alba, 249491.
Linum angustifolium, 253971, 254371.
 grandiflorum, 254372.
 narbonne, 254373.
 perenne, 251142, 254374.
 strictum, 250216, 250217, 250368, 253972.
 usitatissimum, 248636-248638, 248902-248925, 249232-249284, 249696, 249697, 249989-249993, 250088-250093, 250218-250224, 250369-250387, 250492-250518, 250543-250570, 250614-250621, 250730-250738, 250862-250872, 250932-250934, 251292, 251293, 251469-251472, 251666, 251995-251998, 253781-253785, 253942-253948, 253973-253982, 254223-254346, 254375-254403.
sp., 249698.
Lippia citriodora, 248115.
Locust, common. See *Robinia pseudo-acacia*.
Lolium multiflorum, 250023, 251555, 251556, 251826.
 perenne, 249751, 249752, 250969, 251140, 251141, 251224, 251473, 251557, 251667.
 rigidum, 250803-250807.
 temulentum, 249725.
Loroma cunninghamiana, 249432.
Lotononis bainesii, 248187.
Lotus angustissimus, 249754, 249757, 251400.
 corniculatus, 246735, 249753, 250571, 250972, 251143, 251423, 251558, 251827, 251828, 253419.
 corniculatus var. *ciliatus*, 246730, 246732, 246733, 250970, 250971, 251144-251147, 251422, 251424, 251630, 253440.
 ornithopodioides, 249755.
 pedunculatus, 251529, 251829, 253441, 253442.
 decumbens, 246731, 246734, 246736-246739, 247898, 251148, 251149.
 uliginosus, 249126.
sp., 246734, 251270.
Lotus, Hindu. See *Nelumbo nucifera*.
Lucuma psammophila var. *xestophylla*, 249330.
 rivicola, 249492.
Luffa acutangula, 246931, 254555.
 cylindrica, 246562, 247762, 249640, 250160.
Lupine. See *Lupinus termis*.
 blue. See *L. angustifolius*.
 European. See *L. hirsutus*.
 white. See *L. albus*.
 yellow, European. See *L. luteus*.
Lupinus albus, 245367, 248173, 250094, 250572, 251559.
 angustifolius, 245325, 249938-249944, 250067.
 hirsutus, 249758.
 luteus, 247792-247796, 250068.
 termis, 250069-250071.
sp., 248471, 249759, 249760.
Luzula silvatica, 249749.
Lycopersicon (hybrids), 246585, 249641.
 esculentum, 244956, 244957, 245760, 246994, 247089, 247528, 248504, 248741, 249567, 250123, 250124, 250431-250437, 251296-251300, 251626, 254644-254665.
 glandulosum, 251301, 251302, 254577.
 hirsutum, 247087, 251303.
 hirsutum var. *glabratum*, 251304, 251305.
 peruvianum, 246586, 251306-251312.
 peruvianum var. *dentatum*, 251313.
 peruvianum var. *humifusum*, 251314.
 pimpinellifolium, 251315-251323.
Lycopodium cernuum, 247181.
sp., 247976.
Lygnum spartum, 249699.
Madder. See *Rubia tinctoria*.
Magnolia, anise. See *Magnolia salicifolia*.
Magnolia salicifolia, 245037.
sp., 246877.
Mahonia, Japanese. See *Mahonia japonica*.
Mahonia japonica, 249423.
 repens var. *rotundifolia*, 247117.
 × *wagneri*, 245086.
Mallotus philippinensis, 250639.
Malpighia coccigera, 246920, 247271.
Malus (hybrids), 247021-247026.
 purpurea f. *elegii*, 246669.
 sylvestris, 245048, 254049, 245143-245145, 245324, 246361, 246362, 246402, 246461, 246463, 246464, 246934, 247314, 247442-247444, 249923-249926, 254357.
sp., 251567.
Mamey. See *Mammea americana*.
Mammea americana, 249331.
Maple. See *Acer* spp.*
 coliseum. See *A. cappadocicum*.
 fullmoon. See *A. japonicum*.
 hornbeam. See *A. carpinifolium*.
 Norway. See *A. platanoides*.
 sycamore. See *A. pseudo-platanus*.
Maranta arundinacea, 245949, 248116.
sp., 248060.
Marcgravia sp., 248117.
Markhamia sp., 248640.
Mauritia vinifera, 251093.
Medic. See *Medicago* spp.*
 black. See *M. lupulina*.

- Medicago* (hybrids), 247006, 251760.
arabica, 249761, 249762, 251631.
arborea, 249937.
aschersoniana, 250388.
carstiensis, 253446.
falcata, 251205, 251688-251690, 251830, 251831, 253443, 253445.
hispida, 249702.
lupulina, 249828, 250739, 250937, 250973, 250974, 251150, 251151, 251271, 251401, 251832-251834, 253447.
murex, 253448.
orbicularis, 249701, 249829, 249830, 249918, 251155, 251474, 253786.
pironae, 253449, 253450.
polymorpha var. *vulgaris*, 246740, 246741, 249700, 250389, 250390, 251632, 251633.
pubescens, 245002.
sativa, 245950, 246124, 246356, 246742, 247093, 247752, 247788-247791, 249994-249996, 250095, 250740, 250779-250781, 250935, 250936, 250975, 250976, 251156, 251329, 251402, 251530, 251560, 251561, 251668, 251691-251695, 251835-251837, 253420, 253444, 253451, 253619, 253949-253951.
 sp., 249127, 249831, 250782, 251153, 253452.
Melaleuca crassifolia, 245357.
ericifolia, 245358.
hamulosa, 245359.
incana, 245360.
megacephala, 245361.
steedmanii, 245362.
subtrigona, 245363.
teretifolia, 245364.
wilsonii, 245365.
Melia azedarach, 246878.
Melanthus major, 247004.
Melica ciliata, 253453.
cupani, 251272.
Melilotus alba, 251838, 253454.
elegans, 250783.
indica, 250783, 250784.
officinalis, 251425.
suaveolens, 251634.
Merrillia caloxyton, 246021.
Mesembryanthemum variable, 246879.
Michelia champaca, 246880.
fuscata, 246876.
Microlicia isophylla, 247180.
Microseris scapigera, 245857-245859.
Milium effusum, 251839.
 Milkvetch. See *Astragalus* spp.*
 Millet. See *Setaria* spp.*
 foxtail. See *S. italica*.
 pearl. See *Pennisetum spicatum*.
 proso. See *Panicum miliacum*.
Mimosa scabrella, 249332.
Mimusops coriacea, 249493.
Miscanthus japonicus, 246031.
sinensis, 246773.
sinensis var. *condensatus*, 246655, 246656.
Moghania rhodocarpa, 247850, 247851.
 Mombin, yellow. See *Spondias mombin*.
Momordica balsamina, 251603.
 charantia, 249414, 251604.
Monelytrum loderitzianum, 249588.
Monstera deliciosa, 248118.
 sp., 248043.
Moraea iridioides, 246871.
 edulis, 247386.
 Moraea, iris. See *Moraea iridioides*.
Moringa olcifera, 253173.
 Morning-glory. See *Ipomoea* spp.*
 common. See *I. purpurea*.
Morus alba, 249207.
 rubra, 249123.
Moschosma riparium, 247178.
 Mountain-ash, European. See *Sorbus aucuparia*.
Mucuna bennettii, 250113.
 novoguineensis, 250114, 253720.
 rostrata, 250115.
Muchlenbeckia sp., 246881.
 Mulberry, red. See *Morus rubra*.
 white. See *M. alba*.
Mundulca sericea, 249100.
Musa davyae, 254694.
 × *paradisiaca*, 247977.
 textilis, 246406-246408.
 ventricosum, 251787.
 sp., 248777.
 Muskmelon. See *Cucumis melo*.
 Mustard, black. See *Brassica nigra*.
 Chinese. See *B. juncea*.
 white. See *B. hirta*.
Myrciaria jaboticaba, 248000.
Myrothamnus flabellifolia, 247312.
Myrsine africana, 249101.
 retusa, 254602.
 Myrtle, true. See *Myrtus communis*.
Myrtus communis, 249832.
Nandina domestica, 245038.
Nardus stricta, 251157, 251158.
Nectandra pulchra, 249333.
Nelumbo nucifera, 249494, 249495.
Nematanthus longipes, 247253.
Neoglaziovia variegata, 248171.
Neolitsea sericea, 246774.
Necomaria caerulea, 249334.
Neonicholsonia georgi, 249497.
Nepenthes ampullaria, 248672, 248673.
 coccinea, 248674.
 khassiana, 248675.
 mirabilis, 246651.
 mixta var. *sanguinea*, 248677.
 phyllamphora, 248678.
 rafflesiana, 248679.
 sp., 248676.
Nephtytis afzelii, 246679.
Nerine sarniensis var. *corusca*, 249889.
Nerium olcander, 246883, 248751.
Nicolaia clatior, 246473.
Nicotiana fragrans, 247900.
 tabacum, 244753, 244754, 251999, 253812-253814.
Nidularium innocentii, 247978.

- Nigella sativa*, 251081, 251082, 251635, 253156.
 sp., 253285.
 Nightshade. See *Solanum* spp.*
 Brazilian. See *S. seaforthianum*.
Nolina recurvata, 249498.
Nymphaca sp., 246472.
 Oats. See *Avena* spp.*
 common. See *A. sativa*.
Ochna sp., 246884.
Ocimum basilicum, 253157, 253148, 254352.
 selloi, 249335.
 sp., 249659.
Octomeiria loddigesii, 247254.
 Ohia. See *Eugenia malaccensis*.
 Okra. See *Hibiscus esculentus*.
Olea europaea, 246370.
 Oleander. See *Nerium oleander*.
Olearia (hybrid), 254604.
 chathamica, 254603.
 lacunosa, 254605.
 sp., 254606.
 Olive, common. See *Olea europaea*.
 Ombu. See *Phytolacca dioica*.
Oncidium varicosum, 247979.
 oncidium var. *rogersii*, 248077.
 sp., 247980, 248044, 248045.
Oncoba echinata, 244978.
 Onion. See *Allium cepa*.
Onobrychis arenaria, 250977, 251159, 251696.
 caput-galli, 250978.
 transcaucasica, 251697, 251698.
 viciaefolia, 250024, 251160, 251669, 251840.
Ononis natrix, 246743.
Ophiopogon jaburan, 246454.
 japonicus, 246453.
Optismenus hirtellus, 248119.
Opuntia sp., 246668, 246924.
 Orange, King. See *Citrus nobilis*.
 sour. See *C. aurantium*.
 sweet. See *C. sinensis*.
Orbignya barbosiana, 249499.
 Orchid. See *Cypripedium* sp., *Epidendrum ellipticum*, *E. fragrans*, *E. imatophyllum*, *Grammatophyllum speciosum*, *Huntleya melegris*, *Oncidium varicosum*, *O. varicosum* var. *rogersii*, *Pleurothallis radialis*, *Sophranitis grandiflora*, *Spiranthes polyantha*.
Oreopanax capitatum, 253132.
Ormosia arborea, 249336.
Ornithopus compressus, 249833.
Oryza brachyantha, 254567.
 glaberrima, 254568.
 granulata, 251332.
 officinalis, 251333, 251334.
 paraguayensis, 245708.
 perennis, 251335-251340, 254569.
 punctata, 254570.
 ridleyi, 251341.
 sativa, 245058-245084, 245352-245354, 245690-245707, 245709-245718, 246411-246414, 247103, 247871-247878, 247879-247891, *Oryza brachyantha*—Continued
sativa—Continued
 247944-247953, 247956, 248163-248168, 248483-248489, 248516-248522, 251342-251360.
 stappii, 254571.
 sp., 251361, 251362, 251363.
Oryzopsis cocrulescens, 249834, 252056, 252057, 253273, 253339, 253575, 253576.
 holciformis, 247007, 249763, 253274.
 miliacea, 249860, 253275, 253276, 253340-253343, 253577, 253578.
 sp., 253787, 253788.
Osmanthus heterophyllus, 246868.
Oxalis sp., 247182, 248078.
Oxytenanthera abyssinica, 246120.
Oxytropis sp., 249835.
Pachira aquatica, 246658.
Pachyrhizus erosus, 246649, 246650, 247468.
 sp., 247820.
Paivaea langsdorffii, 248079, 249500.
Paliurus spina-christi, 245039.
 Palm. See *Actinophloeus sanderianus*, *Archontophoenix alexandrae*, *A. cunninghamii*, *Areca catechu*, *A. triandra*, *A. wendlandiana*, *Arenca engleri*, *Bactris colonata*, *B. maraja*, *Balaka seemenii*, *Butia capitata*, *B. capitata* var. *odorata*, *B. yatay*, *Calyptrocalyx spicatus*, *Ceroxylon andicola*, *Copernicia* × *vespertilionum*, *Cyrtostachys renda*, *Denea forsteriana*, *Desmoncus pycnananthos*, *Dictyosperma* sp., *Geonoma binervia*, *G. decurrens*, *G. procumbens*, *G. schottiana*, *Guilielma* sp., *Kentiopsis macrocarpa*, *Leopoldinia pulchra*, *Licuala elegans*, *L. rumphii*, *Linoma alba*, *Mauritia vinifera*, *Neonicholsonia georgei*, *Pelagodoxa henryana*, *Phoenix roebelenii*, *Pinanga kuhlii*, *P. spectabilis*, *Polyandrococos caudescens*, *Raphia laurentii*, *R. ruffa*, *R. pedunculata*, *Roystonea oleracea*, *Socratea exorrhiza*, *Synecanthus warscewiczianus*, *Trithrinax brasiliensis*, *Veitchia joannis*.
 betel. See *Areca catechu*.
 Macauba. See *Acrocomia sclerocarpa*.
 oil, African. See *Elaeis guineensis*.
 para. See *Euterpe edulis*.
 pindo. See *Arecastrum romanzoffianum*.
 royal, Cuban. See *Roystonea regia*.
 toddy. See *Caryota urens*.
 yellow. See *Chrysalidocarpus lutescens*.
 Palmetto. See *Sabal* spp.*
 Blackburn. See *Inodes blackburniana*.
 Palwan. See *Dichanthium annulatus*.
Pandanus boninensis, 249337.

- Panicum antidotale*, 244889, 249228, 253715-253717.
capillipes, 244890.
coloratum, 253240-253257.
cymbiforme, 244891.
decompositum, 244892.
delicatum, 244893.
fulgidum, 244894.
larconianum, 244895.
maximum, 244896, 247090, 253718.
miliaceum, 250785-250788, 250979, 251273, 251388, 251389, 251403-251406, 253421, 253789, 253790, 253953-253955.
queenslandicum, 244897.
seminudum, 244898.
trachyrachis, 244899.
turgidum, 253373.
whitei, 244900.
 sp., 250654.
Papaver somniferum, 250640, 250641, 251083, 253137, 253159-253163, 253286, 253287.
 sp., 253164.
Pappophorum sp., 250655.
Parkinsonia aculeata, 249660.
 Parsley. See *Petroselinum crispum*.
Paspalum caespitosum, 244901.
globoideum, 244903.
Paspalum conjugatum, 247304.
dilatatum, 244902.
orbiculare, 244904.
plicatum, 247305.
virgatum, 247306.
 sp., 247307.
Passiflora X *allardii*, 254607.
edulis, 248505, 248506, 249338.
maliformis, 249546.
mixta, 254608.
quadrangularis, 249339.
 sp., 247268, 249340, 249341, 249501.
 Passionflower. See *Passiflora* spp.*
Paullinia cupana, 249342.
Paulownia fortunei, 248159.
 Peach. See *Prunus persica*.
 Pea, garden. See *Pisum sativum*.
 Peanut. See *Arachis benthamii*.
 common. See *A. hypogaea*.
 Pear, birchleaf. See *Pyrus betulaeifolia*.
 common. See *P. communis*.
 Peavine, flatpod. See *Lathyrus cicera* grass. See *L. sativus*.
Pectis sp., 248188.
Pelagodoxa henryana, 250454.
Pelargonium sp., 246886.
 Pelican flower. See *Aristolochia grandiflora*.
Peltophorum sp., 249661.
Pennisetum basedowii, 244905.
polystachyon, 247685, 249230.
purpureum, 247684.
setosum, 248534.
spicatum, 248770, 250215, 250393-250395, 250656.
villosum, 244907.
Pentapterygium (hybrid), 254609.
rugosum, 254610.
Peperomia diaphanoides, 247187.
incana, 246455.
obovata, 248120.
obtusifolia, 246456.
reflexa, 247184.
 sp., 246633, 246634, 264635, 246636, 246637, 246638, 246639, 246640, 246641, 247185, 247186, 247188, 247190, 247191, 247245, 248046, 248080, 248121, 248170.
 Pepino. See *Solanum muricatum*.
 Pepper, black. See *Piper nigrum*.
 Peppertree, California. See *Schiinus molle*.
 Pepperweed. See *Lepidium latifolium*.
Pereskia grandifolia, 247183.
Perilla frutescens, 248663-248671.
 Persimmon, Oriental. See *Diospyros kaki*.
Petrea serrulata, 248081.
 sp., 247192.
Petroselinum crispum, 251502.
Phaenocoma prolifera, 247005.
Phalaris aquatica, 249704, 249836, 249839, 251843, 253277, 253278.
arundinacea, 251426, 251531, 251841, 251842, 253314-253317.
arundinacea, var. *picta*, 248122.
canariensis, 249998, 249999, 250097, 250741, 251274, 251390, 251475.
coerulescens, 249703.
 X *daviesii*, 249140, 251434.
minor, 249705, 249997.
paradoxa, 253579.
truncata, 252000.
Phaseolus aureus, 246130, 249551, 249552, 250161, 250162, 251033-251036, 251229, 253724, 254556-254559.
calcaratus, 247686-247693, 247821, 251948, 251949.
coccineus, 247303.
lunatus, 247822, 247823, 247878-248792, 249020-249068.
mungo, 250163, 250164.
panduratus, 254679.
vulgaris, 246563, 247694-247720, 247763-247765, 248605, 249553, 249554, 249919, 250165, 250166, 250289, 251047, 251048, 251049, 251050, 251328, 251620, 251621, 251624, 251636, 253176.
Philadelphus sp., 246888, 246923.
 X *Philageria veitchii*, 254612.
Philodendron (hybrid), 248082.
aureus, 247195.
bipinnatifidum, 246642, 247581.
cordatum, 247194.
giganteum, 246643.
imbe, 248001.
lacinosum, 248123.
sellowii, 248025.
speciosum, 246474.
verrucosum, 248083.
 sp., 247069, 247193, 247196-247210, 248024, 248047, 248048, 248084, 248124-248128, 249529, 249530.

- Phleum alpinum*, 251844.
micheelii, 251845.
pratense, 245114-245120, 250980, 251427, 251428, 251532, 251592-251596, 251670, 251699, 251700, 251846.
subulatum, 251476.
 sp., 251391.
Phoenix roebelenii, 246889, 249159, 249502.
 sp., 249503.
Phyllca sp., 254613.
Phyllanthus sp., 247211, 247244.
Phyllitis scolopendrium, 247984.
Phytalis peruviana, 247824.
 sp., 247825, 253469.
Phytolacca dioica, 248085.
Picea abies, 244916, 253686, 253687.
brachyphlla, 244917.
breweriana, 253688.
glauca, 253689.
maximowiczii, 244919.
obovata, 244920.
omorika, 244921.
orientalis, 244922.
pungens, 244923.
purpurea, 244918.
 Pigeonpea. See *Cajanus cajan*.
Pilea cadierei, 248086.
 sp., 246890.
Pimpinella anisum, 251085, 254353.
Pinanga kuhlii, 249504.
spectabilis, 247018.
 Pine. See *Pinus* spp.*
 Austrian. See *P. nigra*.
 lacebark. See *P. bungeana*.
 Scotch. See *P. sylvestris*.
 stone, Japanese. See *P. pumila*.
 Swiss. See *P. cembra*.
 Swiss-mountain. See *P. mugo*.
 white, eastern. See *P. strobus*.
 Pink. See *Dianthus* (hybrid).
 Pinkshower. See *Cassia grandis*.
Pinus bungeana, 245040.
cembra, 244926.
gerardiana, 253690.
halepensis var. *bruttia*, 245041.
heldreichii var. *leucodermis*, 246670.
 × *holfordiana*, 253691.
mugo, 253138.
nigra, 247301, 247302, 253289.
pumila, 244927, 254356.
strobus, 253692.
sylvestris, 244928, 244929, 247869, 253693.
 sp., 244924, 244925, 244930, 250125.
Piper nigrum, 249809, 249810.
Piptadenia communis, 249891.
Piptanthus nepalensis, 253177.
Piptochaetium montevidense, 247076.
 Pistachio, common. See *Pistachia vera*.
 Himalayan. See *P. integerrima*.
 Mount Atlas. See *P. atlantica*.
Pistacia (hybrid), 246340.
atlantica, 246336, 346337.
integerrima, 246338, 246339.
terebinthus, 246341-246343, 246371.
vera, 245328-245330, 246344, 246372-246375.
Pisum sativum, 248181, 249642-249646, 250438-250448, 251051, 251625, 253968, 253970, 254625, 254626.
Pitcairnia roezlii, 249174.
 sp., 244979, 246644.
 Pittosporum, cape. See *Pittosporum viridiflorum*.
 orange. See *P. undulatum*.
Pittosporum divaricatum, 254614.
glabratum, 244954.
undulatum, 246892, 248010, 249505.
viridiflorum, 247045.
 Planetree, Oriental. See *Platanus orientalis*.
Plantago psyllium, 253165.
 sp., 252166, 253167.
 Plantain, flaxseed. See *Plantago psyllium*.
Platanus orientalis, 245042.
Plathymenia reticulata, 249506.
Pleiochiton sp., 247262.
Pleomele fragnans, 249343.
Pleurothallis radialis, 247261.
 sp., 248049, 248050.
 Plum, common. See *Prunus domestica*.
 Myrobalan. See *P. cerasifera*.
Poa bulbosa, 245743, 251206, 251275, 251392, 251393, 253791.
compressa, 251161.
hybrida, 249765.
nemoralis, 249764, 251207.
pratensis, 249766, 250657, 250981, 251162, 251163, 251165, 251166, 251276, 251277, 251278, 251394, 251429, 251597, 251671, 251701, 253196, 253580.
trivialis, 250982, 251167, 251407.
 sp., 250001, 251251, 253455.
Podocarpus lambertii, 248002.
sellowii, 246893.
 sp., 254573.
 Poinciana, royal. See *Delonix regia*.
 Poinsettia, common. See *Euphorbia pulcherrima*.
 Poisonbulb. See *Crinum asiaticum*.
Polyandrocochos caudescens, 249507.
Polygonum sachalinense, 246775.
Polypodium lepidopteris, 247212.
 sp., 247213, 247214, 248129.
Pomaderris phyllicaeifolia, 254615.
 Poplar, Lombardy. See *Populus nigra* var. *italica*.
 Poppy, opium. See *Papaver somniferum*.
Populus nigra var. *italica*, 246357, 246358, 246894.
tremula, 246597-246599.
Portulaca oleracea, 251503.
Posoqueria multiflora, 248599.
 Potato. See *Solanum tuberosum*.
Pothos sp., 248087.
Pouchetia africana, 246680.
Priestleya hirsuta, 247046.

- Protea latifolia*, 249103.
sp., 246020, 247826.
- Prunus amygdalus*, 244848-244850,
248480-248482, 248616, 248617,
248735-248737, 248742-248745.
armeniaca, 245671-245675, 248779,
251324, 251369-251374, 253125,
253332, 253333.
avium, 245050-245053, 245667,
246363, 246364, 246415-246418,
250062, 251615, 253203, 254107-
254109.
cerasus, 245668, 246044, 246045,
249124.
cerasifera, 250063-250065, 251616,
253204.
domestica, 245054, 245055, 247077,
247078.
gondouinii, 245056, 245057.
mahaleb, 251617, 253205, 253647-
253649.
persica, 245961, 245962, 247298,
251618.
sellowii, 249508.
sphaerocarpa, 249509.
sp., 245856, 248738, 253470, 254560.
- Pseudarthria hookeri*, 249599.
sp., 249600.
- Pseudobombax ellipticum*, 248600.
Pseudoerosema borianii, 249680.
- Pseudotsuga japonica*, 253694.
menziesii, 244931, 244932, 253695.
- Psidium guajava*, 249510.
littorale, 249344-249347.
- Psophocarpus palustris*, 247827.
- Psoralea bituminosa*, 246744, 246748,
249148.
dentata, 246745, 246746.
tenax, 246747.
sp., 249601.
- Psychotria langsdorffiana*, 249511.
sp., 249348, 249349, 249350, 249351.
- Pteris* sp., 247247.
- Pterocarya fraazinifolia*, 245089.
- Puccinellia distans*, 251220.
limosa, 251164.
- Pueraria mirifica*, 253288.
- Pummelo. See *Citrus grandis*.
- Pumpkin. See *Cucurbita pepo*.
- Purslane. See *Portulaca oleracea*.
- Pyracantha* sp., 246895.
- Pyrethrum. See *Chrysanthemum cin-
erariaefolium*.
- Pyrus betulaeifolia*, 246133.
communis, 246134, 246419, 246462,
247830, 248618, 248619, 250449,
250810, 251619, 253206.
- Quamoclit lobata*, 247366.
- Quesnelia imbricata*, 248026.
- Quince. See *Cydonia oblonga*.
- Quinoa. See *Chenopodium quinoa*.
- Radish. See *Raphanus sativus*.
- Ragi. See *Eleusine coracana*.
- Raisin tree. See *Hovenia dulcis*.
- Rape. See *Brassica napus*.
bird. See *B. campestris*.
- Raphanus sativus*, 250167, 250168,
251037, 251038, 251504, 251505, 254561,
254562.
- Raphia laurentii*, 246681.
ruffa, 249484.
pedunculata, 249160.
sp., 251094.
- Raspberry. European. See *Rubus
idaeus*.
- Rauwolfia caffra*, 247047.
canescens, 249512.
grandiflora, 246475.
longiacuminata, 246682.
nana, 246683.
obscura, 246684.
reflexa, 249352.
serpentina, 245922.
ternifolia, 249353.
- Redbead. See *Adenantha pavonina*.
- Redcedar, Eastern. See *Juniperus
virginiana*.
- Redpepper. See *Capsicum frutescens*.
- Redtop. See *Agrostis alba*.
- Reevesia thysoides*, 254616.
- Retinospora, sawara. See *Chamaecy-
paris pisifera*.
- Rheum rhaponticum*, 248739, 248740,
250117, 250118.
- Rhexia* sp., 249662.
- Rhipsalis grandiflora*, 247216.
myosuras, 248088.
capilliformia, 247215.
sp., 247982, 247217, 248027, 248028.
- Rhubarb, common. See *Rheum rha-
ponticum*.
- Rhododendron* (hybrids), 253699-
253072.
indicum, 246457.
javanicum, 253326.
- Rhodospaera rhodanthema*, 245975.
- Rhus lanceolata*, 245326.
- Rhynchosia hockii*, 248222.
phaseoloides, 249202.
sublobata, 249602.
sp., 247852.
- Ribes alpinum*, 247118.
sativum, 245854, 253236.
- Rice. See *Oryza* spp.*
- Ricinus communis*, 245105, 246332,
246996, 247019, 247094-247102, 248390-
248394, 248415-248441, 248495-248499,
248500-248502, 248604, 248926-248970,
250026-250028, 250098, 250225, 250226,
250396-250398, 250573-250575, 250622-
250624, 250742, 250743, 250874-250884,
250938-250942, 252001, 253123, 253422,
253620, 253621, 254404-254406.
- Robinia pseudoacacia*, 245043.
- Rocket-salad. See *Eruca sativa*.
- Rollinia mucosa*, 249355.
sp., 249354.
- Rosa* (hybrid), 244844.
rugosa, 246776.
sp., 251086.
- Rosary-pea. See *Abrus precatorius*.
- Rose. See *Rosa* (hybrid).
rugosa. See *R. rugosa*.

- Rose-apple. See *Eugenia jambos*.
 Roselle. See *Hibiscus sabdariffa*.
Roystonea oleracea, 249356.
 regia, 249513.
 Rubber tree, para. See *Hevea brasiliensis*.
Rubia tinctoria, 253168.
Rubus (hybrids), 247799, 247800.
 idaeus, 246349, 246350, 247798.
 sp., 247797, 248493, 249288, 250169, 250170, 251052, 251203, 251718, 251719, 252063, 254563, 254620.
Rumex sp., 248189, 250642, 250643, 251039, 251040, 251230, 253169, 254564.
Ruscus aculeatus, 251154.
Russelia sp., 246896.
 Rye. See *Secale cereale*.
 mountain. See *S. montanum*.
Sabal havanensis, 249514.
 louisiana, 245327.
 Sacaline. See *Polygonum sachalinense*.
Saccharum (hybrids), 244933-244937, 246809-246813, 247028-247030, 248601, 248602, 248994, 248995, 250240-250288, 250452, 250453, 250692-250695, 253327-253331, 254630-254635.
 arundinaceum, 247027.
 narenga, 246032.
 officinatum, 245982-245999, 246019, 247361.
 porphyrocomum, 246359.
 spontaneum, 246000.
Sacciolepis indica, 244908.
myosuroides, 244909.
 Safflower. See *Carthamus tinctorius*.
 Sage, scarlet. See *Salvia splendens*.
 Sainfoin. See *Onobrychis viciaefolia*.
Salix babylonica, 246897.
 lanata, 247119.
 sp., 251095.
Salpinga margaritacea, 247218.
Salvia sclarea, 249547.
 splendens, 247020.
 sp., 246898, 248089, 253170.
Sanchezia sp., 246899.
 Sandbur. See *Cenchrus setigerus*.
Sanguisorba minor, 249149, 249840, 249841, 251168, 251169, 251847, 251848.
 officinalis, 246777.
 tenuifolia, 246778.
 sp., 249706, 249861, 253456.
Sansevieria angustiflora, 254412.
 arborescens, 246004.
 aubrytiana, 254413.
 caniculata, 246005, 254414.
 cylindrica, 246006, 246458, 254415.
 fasciata, 246008.
 grandicuspis, 246009.
 grandis, 254416.
 grandis var. *zuluensis*, 254417.
 kirkii, 254418, 254419.
 liberica, 246010.
 longiflora, 246011.
 phillipsiae, 254420.
 scabrifolia, 254421.
 senegambica, 254422.
Sansevieria angustiflora—Continued
 singularis, 254423.
 stuckeyi, 246012, 254425.
 subspicata, 246013.
 suffruticosa, 254426.
 trifasciata, 254427.
 sp., 246007, 246900, 246901, 246989-246992, 247389-247391, 248090-248096, 248130, 248641, 254424.
Sapindus divaricatus, 249357.
 saponaria, 249515.
Saponaria officinalis, 253491.
Sarcostemma viminalis, 249104.
 Sarson. See *Brassica campestris* var. *sarson*.
Scabiosa sp., 254354, 254355.
Schinus molle, 246459.
Schizolobium parahybum, 246902, 249358.
Schizostylis (hybrids), 244938, 244939.
Schomburgkia sp., 249516.
Scilla autumnalis, 253130.
 lanceaeifolia, 247397.
Scindapsus aureus, 248131.
 sp., 247983.
Scirpus fuirenoideis, 246779.
Sclerostachya fusca, 246360.
Scorpiurus muricatus, 249707.
 sulcatus, 249708, 249843.
 Scurf-pea. See *Psoralea* spp.*
 Sea-onion. See *Urginea maritima*.
Secale cereale, 249842, 249936, 250744-250747, 250885, 250983, 251539, 251903-251907, 252002, 252003.
 montanum, 253956.
 vavilovii, 253957.
 sp., 250943.
Sechium edule, 246993.
Sedum sp., 254093.
Sehima nervosum, 249221.
Selaginella sp., 246903, 247219-247225, 247985.
Senecio tamoides, 254693.
 Senna. See *Cassia* spp.*
 flowery. See *C. corymbosa*.
 Siamese. See *C. siamea*.
Serissa foetida, 246882.
 Sesame. See *Sesamum indicum*.
Sesamum angolense, 246383-246385.
 angustifolium, 248535-248539.
 capense, 248708-248710.
 indicum, 246386, 247853-247855, 248711, 248971-248988, 249132-249134, 249676-249679, 250029-250032, 250099-250103, 250227-250229, 250399-250401, 250519, 250576-250580, 250625, 250626, 250748, 250749, 250886-250895, 250944-250946, 251294, 251295, 251702-251704, 253423, 253424, 253472, 253473, 253731, 253792-253794, 253983-253985, 254407.
 radiatum, 248472, 248540-248542.
 schenckii, 248712, 248713.
 schinzianum, 248714, 248715.
 sp., 247899, 248473.

Sesbania cinerascens, 248716-248718.
pachycarpa, 247856.
sesban, 247857, 249231.
 sp., 247518, 248097, 248543, 248544,
 248545, 253457.
Sesleria elongata, 253719.
Setaria appendiculata, 248719.
italica, 250025, 250391, 251395,
 253494-253499.
longiseta, 248533.
sphacelata, 246353, 247410, 247411,
 247811, 248546.
Sida sp., 246685, 247858, 247859.
Sieglingia sp., 252949.
Simmondsia chinensis, 246806, 246807,
 251800, 253475-253478, 254442-254532.
Sinarundinaria murielae, 246400.
nitida, 246401.
Sinningia sp., 246433.
Sinowilsonia henryi, 245044.
Sisyrinchium, sp., 248786.
 Skyflower. See *Duranta repens*.
Smilax gemina, 249517.
 Smoke tree. See *Cotinus coggyria*.
 Snakeboard, Japanese. See *Ophiopogon japonicus*.
 Snowball, Japanese. See *Viburnum plicatum*.
 Soapberry, southern. See *Sapindus saponaria*.
Sobralia sp., 247986.
Socratea exorrhiza, 249480.
Solandra grandiflora, 247226.
Solanum (hybrids), 245314-245321,
 245766-245853, 245925-245945,
 247327-247331, 248151.
acaule, 246479-246483, 246570,
 246571.
andreaum, 247319, 247358.
brachistotrichum, 251055-251059,
 251720.
brachycarpum, 251721, 251722.
brevidens, 245762.
bulbocastanum, 251723, 253207,
 253208, 253703.
bulbocastanum, var. *dolichophyllum*, 253209-253211.
calcense, 246484.
campylacanthum, 247829.
cardiophyllum, 251724, 253212.
cardiophyllum var. *ehrenbergii*,
 251725, 251731.
cardiophyllum var. *endoiodandrum*,
 253213.
colombianum, 247320-247322.
demissum, 251060, 251061.
ehrenbergii, 251726-251730.
etuberosum, 245763, 245764, 245924.
fendleri, 251062-251067.
hendersonii, 246904.
juglandifolium, 247323.
technoviczii, 246485.
leptosepalum, 251068.
lignicaule, 246486.
maglia, 245087.

Solanum (hybrids)—Continued
melongena, 246932, 249568-249571,
 251506.
microacanthum, 251732-251736.
morelliforme, 251737, 251738.
moscopanum, 247324, 247325, 247359.
muricatum, 253711, 253712, 253713,
 254222, 254692.
papita, 251739-251744.
pennellii, 246502.
pinnatisectum, 249927, 253214.
polyadenium, 251745.
polytrichon, 251069, 251746-251749.
pseudocapsicum, 246645.
raphanifolium, 246487, 246488.
sambucinum, 251750-251752, 253215,
 253216.
seaforthianum, 246905.
semidemissum, 253217, 253218.
stoloniferum, 251070-251072, 251753,
 251754, 253219.
tuberosum, 249573, 249611-249615,
 250110-250112, 251364, 253704-
 253710.
tuquerrense, 247326.
vallis-mexicae, 253220, 253221.
verrucosum, 251073-251076, 251755-
 251758.
violaeifolium, 248132.
 sp., 245765, 245968, 246489-246557,
 246572-246501, 246503-246557,
 246937-246987, 246995, 247332-
 247357, 247360, 247828, 247892,
 248133, 249339, 249928-249931,
 251759.
Sophronitis grandiflora, 246646.
Sopubia angolensis, 249105.
Sorbaria sorbifolia var. *stellipila*,
 246780.
Sorbus aucuparia, 245045.
 sp., 253492.
Sorghum aluum, 244869.
bicolor, 246405, 246690-246726,
 247136, 247724-247745, 247860,
 247861, 248231-248251, 248262-
 248341, 248989, 250033, 250230-
 250234, 250402-250406, 250520,
 250521, 250581-250583, 250750,
 250808, 250896-250898, 251637,
 251638, 253629-253646, 253795,
 253796, 253986.
dochna, 244870, 246592-246595.
halepense, 244871, 244872.
nitidum, 244873, 244874.
roxburghii, 245106.
sudanense, 244875-244878, 246654,
 247135, 247721, 247722, 250104.
technicum, 251672.
versicolor, 247437.
verticilliflorum, 247723.
virgatum, 251430.
 sp., 244879-244882, 247746-247748,
 248548.
 Soybean. See *Glycine max*.
Spartina townsendii, 250108.

- Spathiphyllum cochlearispathum*, 244980.
Spathodea campanulata, 248051.
 Spinach, common. See *Spinacia oleracea*.
Spinacia oleracea, 249920, 251507, 254565.
Spiraea discolor, 246906.
Spiranthes polyantha, 254094.
Sporiopogon sibiricus, 246781.
Spondias mombin, 249518.
Sporobolus sp., 248547, 253197.
 Spruce. See *Picea* spp.*
 Colorado. See *P. pungens*.
 Norway. See *P. abies*.
 Oriental. See *P. orientalis*.
 Serbian. See *P. omorika*.
 Siberian. See *P. obovata*.
 weeping. See *P. brewiana*.
 white. See *P. glauca*.
 Spurge. See *Euphorbia* spp.*
 Squash. See *Cucurbita maxima*.
 Squill, autumn. See *Scilla autumnalis*.
Stachys palaestina, 246907.
Stachytarpheta speciosa, 247235.
Stapelia sp., 246016.
 Starglory, crimson. See *Quamoclit lobata*.
Stephanotis floribunda, 249360.
Sterculia chicha, 248003.
Stiffia chrysantha, 248134.
Stipa bromoides, 253581.
 falcata, 249141.
 pennata, 253797.
 sp., 249709, 249562, 250751, 250752, 250947, 250984, 252058, 252059, 252060, 253344.
Stizolobium aterrimum, 250952.
 hassjoo, 247439, 248261.
 pruriens, 247440.
 sp., 244755, 247088, 247441, 247862, 247863, 250953.
 St.-Johns-wort. See *Hypericum* spp.*
 Strawberry. See *Fragaria* spp.*
 Chiloe. See *F. chilensis*.
 European. See *F. vesca*.
 Hautbois. See *F. moschata*.
Strelitzia parvifolia, 249361.
Stromanthe sanguinea, 248135.
Strobilanthes sp., 246908, 247227.
Stylosanthes bojeri, 253729.
 erecta, 247864.
 gracilis, 247412.
Styrax camporum, 249519.
 Sugar-apple. See *Annona squamosa*.
 Sugarcane. See *Saccharum* spp.*
 Sulla. See *Hedysarum coronarium*.
 Sumac. See *Rhus lanceolata*.
 Sunflower, common. See *Helianthus annuus*.
 Sunn-hemp. See *Crotalaria juncea*.
Swartzia langsdorfii, 248098.
 Sweetclover. See *Melilotus* spp.*
 white. See *M. alba*.
 yellow. See *M. officinalis*.
 annual. See *M. indica*.
 Sweetpotato. See *Ipomoea batatas*.
 Sweet-sultan. See *Centaurea moschata*.
 Swordbean. See *Canavalia gladiata*.
Sylitra biflora, 248721, 248722.
Synecanthus warscewiczianus, 247040.
Syzygium cumini, 249362.
Tabebuia avellanedae var. *paulensis*, 247228.
 chrysotricha, 248004, 249175.
 inpetiginosa, 249176.
 vellosii, 248052.
Tabernanthe iboga, 246686.
 sp., 246687.
 Tamarind. See *Tamarindus indica*.
Tamarindus indica, 249520.
Tamarix sp., 246909.
Taxus baccata, 245046.
 Tea. See *Camellia sinensis*.
Tecoma heptaphylla, 249363.
 lapacho, 246910.
Tecomanthe dendrophila, 246652.
 vensusta, 253223.
Telfairia pedata, 246648.
Tephrosia aequilata, 248220.
 capensis, 249106.
 eriosemoides, 248642.
 grandiflora, 249107.
 heckmanniana, 248190, 248224, 248643.
 linearis, 249650.
 milbraedii, 247526, 248223.
 noctiflora, 246688, 248191.
 paniculata, 248192, 248193, 248218, 248219, 248221.
 vogelli, 246671, 248161, 248162, 248194-248213, 248228, 248644-248655, 249108, 249109.
 sp., 247469, 247474, 247475, 248214-248217, 248656-248658, 249110-249113, 249651-249654.
 Terebinth, false. See *Pistacia terebinthus*.
Terminalia sp., 249663.
Tetragonolobus siliquosus, 253458.
Teucrium subspinosum, 245343.
Thalictrum sp., 248659, 248225.
Themeda anathera, 250658.
 australis, 248255-248260.
 gigantea, 247413.
 japonica, 246782.
 triandra, 247749.
Theobroma cacao, 248603, 251365-251367, 251792, 253698, 253923.
 grandiflora, 249364.
 pentagona, 251368.
 sp., 251794.
Thevetia sp., 248226.
 Thistle, blessed. See *Cnicus benedictus*.
 Thorn, mysore. See *Caesalpinia sepiaria*.
Thottea grandiflora, 244752.
Thuja plicata, 245344, 247787.
Thunbergia erecta, 246911.
 laurifolia, 246912.
 mysorensis, 253222.

Tibouchina aspera var. *asperrima*, 249365, 249366.
bolivarensis, 249367.
clinopodifolia, 249368.
grandifolia, 247229.
granulosa, 248005, 248099, 249118, 249369-249373.
holosericea, 246913, 249374.
martialis, 249376, 249377.
multiceps, 249378.
mutabilis, 248053, 248136, 249419, 249379-249383.
pulchra, 247231, 251779.
regentii, 249119.
sellowiana, 249120.
ursina, 249384.
urvilleana, 249385.
violacea, 249386.
weddellii, 249387, 249388.
 sp., 246914, 246915, 247230, 248054, 248100, 249121, 249375, 249389-249412.
 Tigerflower, common. See *Tigridia pavonia*.
Tigridia pavonia, 247232.
 sp., 244981.
Tillandsia ensiformis, 248063.
gardnerii, 247987.
pulchella, 248061.
 sp., 247233, 247234.
 Timothy. See *Phleum* spp.*
 Alpine. See *P. alpinum*.
Tipuana tipu, 248006.
 Tipu-tree. See *Tipuana tipu*.
 Tobacco. See *Nicotiana fragrans*.
 common. See *N. tabacum*.
 Tomato. See *Lycopersicon esculentum*.
 Towelgourd, Singkwa. See *Luffa acutangula*.
 Suakwa. See *L. cylindrica*.
Trachelospermum sp., 254617.
Tradescantia sp., 246916.
 Treemallow, California. See *Lavatera assurgentiflora*.
 Trefoil. See *Lotus* spp.*
 big. See *L. pedunculatus*, *L. uliginosus*.
 birdsfoot. See *L. corniculatus*.
Trevesia sundaica, 247066.
Tricholaena repens, 248549.
Trifolium agrarium, 249863, 251170-251172, 251209.
alexandrinum, 250072, 250073, 250105, 250659, 251213, 251605-251612, 253201, 253582, 253798, 253952.
angustifolium, 251479, 253345, 253346, 253585.
apertum, 251705.
arvense, 249864.
bivonae, 251484.
campestra, 249710, 249844, 250034, 250985, 250986, 251840, 253318, 253987.
cherleri, 249711, 249865.

Trifolium—Continued
dolopicum, 249857.
dubium, 251173.
filiforme, 249756.
fragiferum, 246749, 246750, 249866, 250789, 250987, 250988, 251174-251177, 251408, 251481, 251482, 251849, 251850.
globosum, 251001.
hirtum, 249845, 249846.
hybridum, 246751, 251639, 251673, 251851, 251852, 253198, 253199.
hybridum var. *pratense*, 249856.
incarnatum, 249712, 251562, 251563.
lappaceum, 249867, 251483.
ligusticum, 251799.
medium, 250989, 251210, 251211, 253200.
montanum, 253202.
nigrescens, 245744, 249851, 249855, 249869.
ochroleucon, 251433, 251868.
pallidum, 249868.
patens, 250753.
pratense, 245121, 245122, 245139-245141, 245861, 246689, 249870, 250899, 250948, 250990-250995, 251178-251188, 251279, 251431, 251564, 251565, 251593, 251674, 251706-251717, 251853-251861, 253319-253321, 253583.
purpureum, 253584.
repens, 245123-245129, 246801-246805, 249618, 249852, 249871-249876, 250407, 250790, 250996-250998, 251053, 251189-251197, 251212, 251280, 251432, 251675, 251862-251866, 253322, 253323.
resupinatum, 249877, 249921, 250035-250038, 250999, 251000, 251198, 251396, 251409-251411, 251494, 253988-253991.
rupellianum, 246354.
saxatile, 249713.
spumosum, 253992.
squarrosus, 247867, 247868, 251867.
striatum, 249714, 249715, 249853, 249854.
subterraneum, 249716, 249847, 249848.
usambarense, 247865.
vesiculosum, 246752.
 sp., 249128, 249849, 249850, 251214, 253993, 253994, 253995.
Trigonella foenum-graecum, 249604, 250106, 250235, 250627, 251281, 251640, 253996.
monantha, 245745.
noeana, 251412.
 sp., 249603.
Triphasia grandifolia, 246564.
trifolia, 249521.
Trisetum flavescens, 251533, 251599, 251600, 251869, 253436.
Trithrinæ brasiliensis, 249161.

- Triticum aestivum*, 244851, 244852, 244853-244858, 245108-245110, 245368, 245376-245640, 245746-245756, 247072, 247073, 247907-247922, 248729, 248730, 249811-249822, 250039-250050, 250236, 250237, 250408-250414, 250584-250586, 250628-250633, 250665, 250754-250756, 250791-250795, 250900-250905, 250949, 250950, 251002, 251397, 251540-251553, 251641, 251642, 251908-251913, 253799-253804, 253958-253963, 253997, 254016-254081, 254111-254142, 254410.
carthlicum, 251914, 251915.
compactum, 245641-245647, 250757.
dicoccum, 248990, 248991, 253324, 254143-254194.
durum, 245648-245661, 250951, 251014, 251916-251923, 253964, 254011-254015.
fungicidum, 251015, 251924.
monococcum, 254195.
orientale, 254196-254213.
orientale var. *insigne*, 251925.
polonicum, 245663, 245664, 254214-254216.
 × *timococcum*, 254217, 254218.
timopheevii, 251016-251018.
turgidum, 245665, 245666.
 sp., 245662, 251019, 254219, 254220.
Tritonia sp., 253131.
Trixis radialis, 248229.
Tsuga chinensis, 248160.
 Turnip. See *Brassica rapa*.
Tutcheria spectabilis, 248993.
Typha angustifolia, 248062.
 Undetermined, 244982, 244983, 246002, 246647, 246921, 246922, 246925, 246988, 247250, 247252, 247265, 247266, 247267, 247269-247396, 247472, 247473, 247525, 247527, 247767, 247992, 247993, 247994, 247995, 247996, 248029, 248030, 248056, 248057, 248064, 248102, 248103, 248104, 248105, 248139, 248143, 248144, 248145, 248660, 248661, 248662, 249129, 249415, 249416, 249417, 249418, 249522, 249664-249674, 249888, 253171, 253172, 253181, 253493, 253721, 253732, 254095, 254106, 254574.
Uria picta, 247519.
 Urd. See *Phaseolus mungo*.
Urelytrum muricatum, 249605.
Urena lobata, 246387, 247470, 248227.
Urginea maritima, 251956-251974.
Urochloa bolbodes, 244910.
pullulans, 244911.
Vaccinium sp., 251054.
Vanilla lujae, 246017.
planifolia, 246917.
 Vanilla, Mexican. See *Vanilla planifolia*.
Veitchia joannis, 249523.
- Velvetbean. See *Stizolobium ateri-mum*.
 cowhage. See *S. pruriens*.
 Yokohama. See *S. hassjoo*.
Verbesina sp., 248230.
Vernonia nudiflora, 249525.
 sp., 247471, 249524.
 Vetch. See *Vicia* spp.*
 bitter. See *V. ervilia*.
 common. See *V. sativa*.
 hairy. See *V. villosa*.
 Hungarian. See *V. pannonica*.
 narrowleaf. See *V. angustifolia*.
 tiny. See *V. hirsuta*.
 woollypod. See *V. dasycarpa*.
Viburnum (hybrids), 245293, 246258, 246330.
atrocyaneum, 245155, 246135, 246136.
betulifolium, 245156-245169, 246137-246155.
bitchiense, 245170, 245171.
 × *bodnantense*, 245172, 245173, 246156.
bracteatum, 246157.
brevipes, 246158.
buddleifolium, 245178, 246159.
burejaeticum, 245174, 245175, 246160.
 × *burkwoodii*, 245176, 245177, 246161, 246162.
carlesii, 245179, 245180, 246163-246165.
 × *chenaultii*, 245181, 246166.
cinnamomifolium, 245182-245184, 246167, 246168.
cotinifolium, 245185-245187, 246169-246172.
cylindricum, 245188, 245189, 246173, 246172.
dasyanthum, 245190-245192, 246175-246177.
davidii, 245193-245195, 246178-246181.
dentatum, 246270.
dilatatum, 245196, 245197, 246182, 246183.
edule, 246259.
erosum, 245198, 246184, 246185.
erosum var. *taquetii*, 245199, 246186.
erubescens, 245200-245202, 246187-246189.
flavescens, 245203, 245204, 246190, 246191.
foetens, 246192.
foetidum, 245205-245208, 246193-246196.
fragrans, 245209-245215, 246197-246203.
grandiflorum, 245216-245218, 246204-246206.
harryanum, 245219, 246207, 246208.
henryi, 245220-245226, 246209-246216.

Viburnum (hybrids)—Continued

- × *hillieri*, 245227.
hupehense, 245228, 246218, 246219.
ichangense, 245299–245231, 246220–246223.
japonicum, 245232, 246224.
kansuense, 245233–245235, 246225–246228.
lantana, 245236–245239.
lobophyllum, 245241–245243, 246243–246246.
molle, 245244, 246247.
mongolicum, 245245, 246248.
nudum, 245246, 246249.
odoratissimum, 245247, 246250, 246251.
opulus, 245248–245251, 246252–246257.
parvifolium, 246260.
pauciflorum, 245253.
plicatum, 245254–245258, 245278–245281, 246229–246241, 246261, 246262, 246290–246293.
plicatum f. *tomentosum*, 246263–246268.
propinquum, 245259, 246269.
 × *rhytidophylloides*, 245260, 246271.
rhytidophyllum, 245261–245266, 246242, 246272–246278.
sargentii, 245267, 245268, 246279, 246280.
schensianum, 245269, 246281.
sieboldi, 245270, 245271, 246282, 246283.
stellulatum, 245272, 246284, 246285.
tinus, 245273–245277, 246286–246289.
utile, 245282–245284, 246294–246296.
veitchii, 245285–245288, 246297–246300.
 × *vetteri*, 245289, 245290, 246301, 246302.
wilsonii, 246303.
wrightii, 245291, 245292, 246304, 246305.
 sp., 245240, 245252, 245294, 245295, 245296, 245297, 245298, 245299, 245300, 245301, 245302, 245303, 245304, 245305, 245306, 245307, 245308, 245309, 245310, 245311, 245312, 245313, 246007, 246217, 246306, 246307, 246308, 246309, 246310, 246311, 246312, 246313, 246314, 246315, 246316, 246317, 246318, 246319, 246320, 246321, 246322, 246323, 246324, 246325, 246326, 246327, 246328, 246329.
Viburnum, fragrant. See *Viburnum carlesii*.
Hupei. See *V. hupehense*.
 leatherleaf. See *V. rhytidophyllum*.
 linden. See *V. dilatatum*.
 Manchurian. See *V. burejaeticum*.

Viburnum—Continued

- service. See *V. utile*.
 Siebold. See *V. sieboldi*.
 sweet. See *V. odoratissimum*.
 Veitch. See *V. veitchii*.
 wooly. See *V. buddleifolium*.
 Wright. See *V. wrightii*.
Vicia amoena, 246783.
angustifolia, 249767, 249887.
angustifolia var. *segetalis*, 249881.
dasycarpa, 249878, 249882.
ervilia, 245757, 251199, 251413, 252053, 253805, 253998, 253999.
faba, 251231, 251232, 251330, 251331, 252004, 253425, 253806–253809, 254000–254006.
hirsuta, 249883.
lutea, 249880, 249922, 251221.
pannonica, 251676.
sativa, 247091, 247092, 249879, 249886, 251003, 251200, 251414, 251643, 251677, 251678, 253426, 253427, 254411.
villosa, 250796, 251004, 251282, 251679.
 sp., 245758, 249768, 249884, 249885, 250797, 251005, 251006, 251007, 251008, 251201, 251202, 251870, 253459, 253460, 253461, 253462.
Vigna cylindrica, 250238, 250415.
lebrunii, 248474.
micrantha, 247524, 249606.
schimperii, 247520.
sinensis, 246131, 246132, 247438, 247521, 250051, 250107, 250416, 250522, 250587, 250634, 250759, 250906, 251222, 251233, 251644, 253428, 253810.
vevillata var. *angustifolia*, 247523.
 sp., 247522, 247866, 248475, 249607, 249608, 249609, 250844–250847.
Vitex montevidensis, 249413.
Vitis (hybrids), 245669, 245670, 245963–245965, 247061–247065, 247120, 247121, 247529–247670.
bainessii, 248776.
vinifera, 245719–245724.
Vittaria sp., 247236.
Voandzeia subterranea, 244969–244973, 245111–245113, 245951–245960.
Vriesia carinata, 247237, 247988.
hieroglyphica, 247238.
platynema, 247989.
rodigasiana, 247990.
 sp., 246615, 246617, 247239–247242, 247991, 248007–248009, 248101.
 Walnut, Persian. See *Juglans regia*.
 Watermelon. See *Citrullus vulgaris*.
 Wattle, black. See *Acacia mollissima*.
 green. See *A. decurrens*.
 Waxgourd. See *Benincasa hispida*.
 Wayfaring-tree. See *Viburnum lantana*.
Wedelia sp., 248137.
Weinmannia trichosperma, 254618.

- Wheat. See *Triticum* app.*
 club. See *T. compactum*.
 common. See *T. aestivum*.
 durum. See *T. durum*.
 Polish. See *T. polonicum*.
 poulard. See *T. turgidum*.
 Wildrice, northern. See *Zizania aquatica*.
 Willow. See *Salix lanata*.
 weeping, Babylon. See *S. babylonica*.
 Wingnut, Caucasian. See *Pterocarya fraxinifolia*.
 Wisteria, Chinese. See *Wisteria sinensis*.
Wisteria sinensis, 246918.
 Witch-hazel, Japanese. See *Hamamelis japonica*.
 Woodrush. See *Luzula silvatica*.
Xanthoceras sorbifolia, 245047.
Xanthorrhoea tateana, 253733.
Xanthosoma sp., 248138.
Xeranthemum annuum, 253488.
 Yam. See *Dioscorea* spp.*
 Yam-bean. See *Pachyrhizus erosus*.
 Yang tao. See *Actinidia chinensis*.
 Yew, English. See *Taxus baccata*.
Yucca peninsularis, 246028.
Zanthoxylum sp., 249619.
Zea mays, 245130-245138, 245685-245688, 247070, 247071, 247750, 249572, 250052, 250239, 250417, 250418, 250798-250800, 250907, 251009, 251645-251657, 251881-251895, 251926-251943, 252005, 253730, 253811, 254007-254010.
Zizania aquatica, 246397.
Zornia diphylla, 248723.
Zygocactus truncatus, 248072.

*If the species of a genus do not have distinct common names they share the same common name as the genus.

Plant Inventory No. 167

UNITED STATES DEPARTMENT OF AGRICULTURE

Washington, D.C., August 1966



PLANT MATERIAL INTRODUCED JANUARY 1 TO DECEMBER 31, 1959 (NOS. 254695 TO 262678)

CONTENTS

	Page
Inventory	3
Index of common and scientific names.....	327

This inventory, No. 167, lists the plant material (Nos. 254695 to 262678) received by the New Crops Research Branch, Crops Research Division, Agricultural Research Service, during the period from January 1 to December 31, 1959. The inventory is a historical record of plant material introduced for Department and other specialists and is not to be considered as a list of plant material for distribution.

EUGENE GRIFFITH¹ and
HOWARD L. HYLAND,
Botanists.

*Plant Industry Station
Beltsville, Md.*

¹ Resigned from United States Department of Agriculture, September 1964.

INVENTORY

254695. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From the Union of Soviet Socialist Republics. Seeds collected by Charles Barber, Foreign Agricultural Service, Washington, D.C. Received Jan. 2, 1959.

Irrigated region, Vaksch Valley, Tadzhikistan. Fruits to 18 inches across; skin netted, yellow; flavor similar to honeydew.

254696 and 254697.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 2, 1959.

254696. QUERCUS ARIZONICUS Sarg. Fagaceae.

Col. No. 17661. Cedros Range, Sonora. Elevation 2,700 feet. Deciduous white oak; acorns sweet, edible.

254697. QUERCUS sp.

Col. No. 17667. Sierra de Yecora, Sonora. Elevation 4,000 feet. Tree small to medium-size; crown open.

254698 to 254710. SESAMUM INDICUM L. Pedaliaceae. Sesame.

From various sources. Seeds presented by the Texas Agricultural and Mechanical College, College Station, Tex. Received Jan. 2, 1959.

254698. No. 1. From South America. Presented by the Rubber Corporation of America, New York, N.Y.

254699. No. 2. 'Precoz'. From Nicaragua.

254700. No. 3. From Houston, Tex.

254701 to 254704. From the Unidad Agricola Juren, Estado Portuguesa, Venezuela.

254701. No. 4. 'Familia 37'. Plants average six feet high, mature in 85 days; stems weak; capsules long, begin to form one foot above ground, shatter unless cut when leaves are yellow; seeds yield more oil than 'Acarigua'.

254702. No. 5. 'Acarigua'. Plants average six feet high, mature in 85-90 days; stems strong; capsules begin to form one foot above ground. Heavy producer on good soil, yielding up to 1,500 kg. per hectare.

254703. No. 6. 'Acarigua Selection'. Plant heavy producer, stalk appears strong. Resistant to common Venezuelan sesame diseases.

254704. No. 7. 'African' or 'Sudanes'. Plants branch about three inches above ground; limb entanglement prevents cutting with binder; oil content low; flavor bitter. Yield about 700 kgs. per hectare.

254705. No. 8. 34C. Very early maturing.

254706. No. 9. 35C. May be resistant to *Alternaria* stem spot.

254707. No. 10. 172. Very early maturing; strain uniform; moderately resistant to bacterial leafspot.

254708. No. 11. 224. Very early maturing; capsule tetra-carpellate.

254709. No. 12. 'Japan 251'. Strain uniform; three capsules per leaf axil.

254710. No. 13. Sesa-Kraft Co., Paris, Texas, from Argentina.

254711 and 254712. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Haiti. Tubers presented by Luc Timmer, Port-au-Prince. Received Jan. 2, 1959.

254711. 'Haitowa'. A variety developed by selection of a large number of tubers highly resistant to late blight.

254712. 'No. 7 Mexico'.

254713 and 254714.

From Denmark. Seeds presented by Count F. M. Knuth, Knuthenborg, Bandholm. Received Jan. 5, 1959.

254713. *PRUNUS EFFUSA* (Host.) Schneid. Amygdalaceae. **Duke cherry.**
'Kelleriis No. 16'. Knuthenborg Estate Orchards, Bandholm.

254714. *PRUNUS CERASUS* L. **Sour cherry.**
'Brown Semi-Tart'. Knuthenborg Estate Orchards, Bandholm.

254715. CUCUMIS MELO L. Cucurbitaceae. Muskmelon.

From Pakistan. Seeds presented by the United States Operations Mission, Peshawar. Received Jan. 5, 1959. Grown in Kabul, Afghanistan. Elevation 6,000 feet. Climate dry.

254716. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.

From Sudan. Seeds presented by the Department of Agriculture, Khartoum. Received Jan. 5, 1959.

'Melik'. Grown along the Nile around Khartoum. Flesh red; quality good.

254717 and 254718.

From Iran. Seeds collected by the Agricultural Advisor, Tabriz. Received Jan. 2, 1959.

254717. *CARTHAMUS TINCTORIUS*. Asteraceae. **Safflower.**
Mianeh bazaar.

254718. *CARTHAMUS* sp.
Balco roadside, north of Rezaieh.

254719. NICOTIANA TABACUM L. Solanaceae. Common tobacco.

From Mauritius. Seeds presented by the Department of Agriculture, Reduit. Received Jan. 6, 1959.

Selection of 'Yellow Mammoth' reported to carry resistance to blackshank disease.

254720 to 254733.

From India. Seeds presented by the Office of the Government Fruit Experiment Station, Shillong. Received Jan. 6, 1959.

254720. *CITRUS AURANTIUM* L. Rutaceae. **Sour orange.**
'Karum-Jamir'.

254721. *CITRUS ASSAMENSIS* Dutta & Bhattacharya
'Ada-jamir'. Karimganj, Cachar District. Also found in Sylhet, North Cachar Hills and Khasi Hills. Fruits have a peculiar aromatic flavor and intensely sour juice. The aroma of the rind is similar to that of ginger.

254722 and 254723. *CITRUS GRANDIS* (L.) Osbeck **Pummelo.**

254722. 'Burni'. Flesh white.

254723. 'Khasi'. Flesh red.

254724 and 254725. *CITRUS JAMBHIRI* Lush.

254724. 'Soh Myndong'.

254725. 'Soh Jhalia'.

254726. *CITRUS KARNA* Rafin.

'Soh Sarkar'.

254720 to 254733—Continued

254727 and 254728. CITRUS LATIPES (Swingle) Tanaka

254727. 'Soh Kynphor Shrieh'.

254728. 'Soh Shyrkhoit'.

254729 and 254730. CITRUS LIMON (L.) Burm. f.

Lemon.

254729. 'Soh Long'.

254730. 'Soh Synteng'.

254731. CITRUS MACROPTERA Montrous

'Satkora'.

254732. CITRUS RETICULATA Blanco

Mandarin orange.

'Soh Siem'.

254733. CITRUS SINENSIS (L.) Osbeck

Sweet orange.

'Soh Niangriang'.

254734. TAGETES sp. Asteraceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 6, 1959.

Col. No. 17687. Sierra de Yecora, Sonora. Elevation 5,000 feet. Ornamental. Brilliantly flowered annual to 15 inches high.

254735 to 254744. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.

From Senegal. Seeds presented by the Centre de Recherches Agronomiques, Bambeay. Received Jan. 7, 1959.

254735. B 2.

254740. B 8.

254736. B 3.

254741. B 9.

254737. B 4.

254742. B 10A.

254738. B 5.

254743. B 13.

254739. B 6.

254744. B 14.

254745 to 254778.

From Australia. Plants collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 1959.

From B. E. Schubert's Nursery, Noble Park, Victoria.

254745. BAUERA RUBIODES Andrews Grossulariaceae.

Col. No. S-257. Diffuse, spreading shrub to eight feet high. Flowers rose red, pendulous, on long pedicels. Responds well to pruning to form a compact shrub.

254746. BAUERA SESSILIFLORA F. Muell.

Col. No. S-256. Erect to spreading shrub to five feet high; leaves whorled; flowers rosy-pink, pendulous, very showy.

254747. BORONIA DENTICULATA Sm. Rutaceae.

Col. No. S-260. Compact, erect shrub to three feet high. Foliage bright green; flowers mauve, numerous. A good ground cover.

254748. BORONIA ELATIOR Bratl.

Col. No. S-280. Much-branched shrub to five feet high; foliage graceful; flowers carmine, forming cylindrical spikes to six inches long. Makes a good hedge.

254745 to 254778—Continued

254749. *BORONIA HETEROPHYLLA* F. Muell.

Col. No. S-273. Differs from typical form in having looser and coarser foliage; flowers cerise-pink.

254750. *BORONIA HETEROPHYLLA* F. Muell.

Col. No. S-279. Much-branched, slender, erect, shrub to six feet high; foliage graceful; flowers in fours to sixes, about 0.25 inch long, rose-crimson. Excellent, floriferous hedge plant.

254751. *BORONIA PINNATA* Sm.

Col. No. S-261. Erect shrub to four feet high. Flowers mauve.

254752. *BORONIA SERRULATA* Sm.

Col. No. S-262. Compact, prostrate or semi-erect shrub to three feet high. Flowers bright pink to mauve-red, clustered toward the ends of the branches.

254753 and 254754. *BRACHYCOME MULTIFIDA* DC. Asteraceae.

254753. Col. No. S-284. Plant low-growing, semiherbaceous, stoloniferous; flowers mauve or lilac, flowering over a long period.

254754. Col. No. S-270. Plant low-growing, semiherbaceous, stoloniferous; flowers pink, flowering over a long period.

254755. *CALYTHRIX FRASERI* A. Cunn. Myrtaceae.

Col. No. S-275. Shrub to four feet high; flowers pinkish-mauve. Good border or low hedge plant.

254756. *CORREA DECUMBENS* F. Muell. Rutaceae.

Col. No. S-254. Compact shrub to two feet high; branches prostrate, to three feet across; flowers dull red, tipped with green; stamen bright yellow and green.

254757. *CORREA TURNBULLII* E. Ashby

Col. No. S-252. Erect or semierect shrub to five feet high and four feet across; flowers red and green, pendulous.

254758. *CROWEA EXALATA* F. Muell. Rutaceae.

Col. No. S-253. Shrub to three feet high and five feet across; flowers deep pink, waxy.

254759. *DAMPIERA HEDERACEA* R. Br. Goodeniaceae.

Col. No. S-263. Shrub semiprostrate, to six inches high, suckers profusely; flowers light blue.

254760. *EPACRIS LONGIFLORA* Cav. Epacridaceae.

Col. No. S-255. Spreading shrub to five feet high; foliage bright green, shining; flowers pendulous, red, tipped with white.

254761. *ERIOSTEMON OBOVALIS* A. Cunn. Rutaceae.

Col. No. S-274. Rare shrub to three feet high; flowers double, white, flushed pink.

254762. *GREVILLEA BARKLYANA* F. Muell. Proteaceae.

Col. No. S-265. Rapid growing woodland tree to 30 feet high; leaves large, shiny.

254763. *GREVILLEA JUNIPERINA* R. Br.

Col. No. S-258. Shrub or tree to eight feet high; branches spreading; flowers clustered, deep orange-red.

254764. *GREVILLEA LINEARIS* R. Br.

Col. No. S-266. Spreading shrub to eight feet high; flowers pale-pink, almost everblooming.

254745 to 254778—Continued

254765 to 254767. GREVILLEA (hybrids).

254765. Col. No. S-271. *G. juniperiana* × *G. victoriae*. Vigorous shrub to six feet high; flowers bright orange-red, flowering sporadically all year.

254766. Col. No. S-259. *G. juniperiana* × *G. victoriae*. Compact shrub to six feet high; flowers golden yellow, in compact clusters, flowering almost continuously.

254767. Col. No. S-264. *G. juniperiana* × *G. rosmarinifolia*. Compact shrub to three feet high; flowers red and yellow.

254768. LAMBERTIA FORMOSA Sm. Proteaceae.

Col. No. S-281. Plant rigid, erect, to eight feet high; foliage stiff; flowers red or greenish red, in compact terminal clusters; fruit bizarre and unique in shape.

254769. LESCHENAULTIA BILOBA Lindl. Goodeniaceae.

Col. No. S-277. Shrub to 15 inches high, floriferous; flowers pale blue to deep ultramarine.

254770. LESCHENAULTIA FORMOSA R. Br.

Col. No. S-269. Low, diffusely spreading shrub; leaves small, somewhat succulent; flowers bright red and orange.

254771. LOBELIA ANCEPS L. Campanulaceae.

Col. No. S-268. Shrubby, xerophytic ground cover to six inches high; leaves lanceolate; flowers pale lavender-blue.

254772. OLEARIA STELLULATA (Labill.) DC. Asteraceae.

Col. No. S-276. Erect shrub to six feet high; flowers blue.

254773. PIMELEA FERRUGINEA Labill. Thymelaeaceae.

Col. No. S-278. Much-branched shrub to two feet high; leaves bright glossy green, dense; flowers rose to rusty brown, woolly, in compact terminal clusters.

254774. PRATIA PUBERULA Benth. Campanulaceae.

Col. No. S-267. Plant matlike, not over one inch high; flowers mauve, spring to autumn. Excellent moist ground cover.

254775. THRYPTOMENE HYPORHYTUS Turcz. Myrtaceae.

Col. No. S-272. Prostrate shrub to three feet high; foliage feathery; flowers pink, 0.25 inch in diameter.

254776. THRYPTOMENE SAXICOLA (A. Cunn.) Schau.

Col. No. S-283. Erect shrub, glabrous to three feet high; leaves dense, to 0.25 inch long; flowers one to three, in leaf-axils, nearly terminal, white to pale rose.

254777. VERONICA GRACILIS R. Br. Scrophulariaceae.

Col. No. S-285. Low-growing ground cover to eight inches high; flowers pale lavender.

254778. VERTICORDIA MUELLERIANA E. Pritz. Myrtaceae.

Col. No. S-282. Erect, divaricate shrub to seven feet high; flowers violet-purple. A little known species.

254779. CITRUS RETICULATA Blanco Rutaceae. **Mandarin orange.**

From India. Seeds presented by the Government Fruit Experimental Station, Shillong. Received Jan. 6, 1959.

'Soh Niamtra'.

254780 to 254858.

From Austria. Seeds presented by the Seed Testing Station, Vienna. Received Jan. 8, 1959.

254780 to 254788. AVENA SATIVA L. Poaceae.

Common oats.

- 254780. 'Achleithner Weib'.
- 254781. 'Austria Weib'.
- 254782. 'Endreb Weib'.
- 254783. 'Mauerner Weib'.
- 254784. 'Petkuser Flamingstreue'.
- 254785. 'Probstdorfer Gelb' (Kirsches).
- 254786. 'Probstdorfer Weib' (Kirsches).
- 254787. 'Rekord'.
- 254788. 'Schlagler Weib'.

254789 to 254805. HORDEUM VULGARE L. Poaceae.

Common barley.

254789 to 254801. Summer type.

- 254789. 'Baring' (Mildew resistant).
- 254790. 'Carlsberg II'.
- 254791. 'Haisa'.
- 254792. 'Heines Haha'.
- 254793. 'Isaria Nova'.
- 254794. 'Pumper' (Six row).
- 254795. 'Tschermaks Hanna' × 'Kargyn'.
- 254796. 'Violetta'.
- 254797. 'Vollkorn Liechtenstein'.
- 254798. 'Vollkorn Piatti'.
- 254799. 'Vollkorn Probstdorf'.
- 254800. 'Vollkorn Wegscheider'.
- 254801. 'Weibulls Herta'.

254802 to 254805. Winter type.

- 254802. 'Brucker Nr. 2'.
- 254803. 'Brucker Nr. 3'.
- 254804. 'Karntner'.
- 254805. 'Tschermaks' or 'Probstdorfer'.

254806 to 254823. SECALE CEREALE L. Poaceae.

Rye.

254806. Summer type.

'Tiroler'.

254807 to 254823. Winter type.

- 254807. 'Brucker Harrachroggen'.
- 254808. 'Chrysanth¹Hanserroggen'.
- 254809. 'Edelhofer'.
- 254810. 'Hohenauer'.
- 254811. 'Karntner'.
- 254812. 'Kofermarkter'.
- 254813. 'Loosdorfer Tetraroggen'.

254780 to 254858—Continued

254806 to 254823—Continued

254807 to 254823—Continued

- 254814. 'Lungauer Tauern'.
- 254815. 'Melker'.
- 254816. 'Oberkarntner'.
- 254817. 'Otterbacher'.
- 254818. 'Petkuser'.
- 254819. 'Petroneller Tyrnauer'.
- 254820. 'Radstadter Bergland'.
- 254821. 'Schlagler'.
- 254822. 'Tetraploider'.
- 254823. 'Tschemmaks Veredelter Marchfelder'.

254824 to 254850. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

254824 to 254830. Summer type.

- 254824. 'Janetzki's Jabo'.
- 254825. 'Karntner Grannen'.
- 254826. 'Karntner Kolben II'.
- 254827. 'Probstdorfer Manitoba'.
- 254828. 'Stamm A'.
- 254829. 'Tiroler Binkel'. Midseason.
- 254830. 'Tschemmaks Znaimer' × 'Tucson'.

254831 to 254850. Winter type.

- 254831. 'Admonter'. Early.
- 254832. 'Brucker Harrachweizen'.
- 254833. 'Brahorads'. Head red.
- 254834. 'Drauhofener Kolben'.
- 254835. 'Dr. Lassers Dickkopf'.
- 254836. 'Hubertusweizen'.
- 254837. 'Kadalzer'.
- 254838. 'Korneuberger Grannen'.
- 254839. 'Lassers'. Head light.
- 254840. 'Loosdorfer Austro-Bankut Grannen'.
- 254841. 'Loosdorfer Bart'.
- 254842. 'Manitoba' × 'Probstdorfer'.
- 254843. 'Marienhofer Kolben'.
- 254844. 'Primus'.
- 254845. 'Record'.
- 254846. 'Reichersberger W.-Kolbenweizen'.
- 254847. 'Schweigert's Taca'.
- 254848. 'Stamm 101'.
- 254849. 'Tschemmaks Weiber Begr. Marchfelder'.
- 254850. 'Witiko': 'Tassilo Kurz'.

254780 to 254858—Continued**254851 to 254858. ZEA MAYS L. Poaceae.****Corn.**

254851. 'Burgenlandischer Silo'.

254852. 'Gelber Burgenlander'.

254853. 'Gelber Silozahn': 'Loosdorf-Ranninger'.

254854. 'Gelber Silozahn': 'Monchhof'.

254855. 'Kematener'.

254856. 'Maiskonig'.

254857. 'Weiber Marchfelder'.

254858. 'Weiber Monchhofer': 'Peduaner'.

254859 to 254922.

From Afghanistan, Iraq and Spain. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 9, 1959.

254859. AEGILOPS BIUNCIALIS Visiani Poaceae.**Goatgrass.**

Col. No. K1226. Eighty-eight km. north of Mosul, Iraq.

254860 to 254862. AEGILOPS COLUMNARIS Zhuk.

254860. Col. No. K1215. Between Mosul and Sirsank, Iraq. Plants to four dm. high.

254861. Col. No. K1227. Ninety-seven km. north of Mosul, Iraq.

254862. Col. No. K1326. Thirty km. south of Arbet, Iraq. Annual to three dm. high.

254863. AEGILOPS CYLINDRICA Host.**Jointed goatgrass.**

Col. No. K1244. Sirsank, 142 km. west of Mosul, Iraq. Plants to five dm. high, abundant.

254864. AEGILOPS LONGISSIMA Schweinf. & Muschl.

Col. No. K1236. One hundred and thirteen km. north of Mosul, Iraq. Plants to four dm. high, abundant.

254865. AEGILOPS SPELTOIDES Tausch.

Col. No. K1289. Seventy km. east of Kirkuk, Iraq.

254866. AGROPYRON PANORMITANUM Parl. Poaceae.

Col. No. K1251. Sirsank, 142 km. north of Mosul, Iraq. Plant to one meter high.

254867. BRACHYPODIUM DISTACHYON (L.) Beauv. Poaceae.

Col. No. K1202. Four km. from Salakudin, road to Mosul, Iraq. Plants to 12 cm. high, scarce.

254868. BRACHYPODIUM DISTACHYON (L.) Beauv.

Col. No. K1319. Thirty km. south of Arbet, Iraq. Annuals to 30 cm. high.

254869. BOTHRIOCHLOA ISCHAEMUM (L.) Keng. Poaceae.

Col. No. K1771. Forty-three km. west of Ghazni, Afghanistan. Plants to 60 cm. high.

254870. ARRHENATHERUM ERIANTHUM Boiss. & Reut. Poaceae.

Col. No. K1248. Vicinity of Sirsank, 142 km. north of Mosul, Iraq. Plants to one meter high.

254871. BRIZA sp. Poaceae.

Col. No. K1249. Vicinity of Sirsank, 142 km. north of Mosul, Iraq. Annual to 50 cm. high, scarce.

254859 to 254922—Continued**254872. BRIZA sp.**

Col. No. K1320. Thirty km. south of Arbet, Iraq. Annual to 25 cm. high, rare.

254873 and 254874. BROMUS DANTHONIAE Trin. Poaceae.

254873. Col. No. K1187. South side of River Zab, road from Mosul to Erbil, Iraq. Plants to 38 cm. high.

254874. Col. No. K1229. Ninety-seven km. north of Mosul, Iraq. Annual.

254875 to 254877. BROMUS MOLLIS L.

254875. Col. No. K1190. South side of River Zab, road from Mosul to Erbil, Iraq. Plants to 50 cm. high, abundant.

254876. Col. No. K1210. Fifty-seven km. north of Mosul, Iraq. Plants vigorous, abundant, to 75 cm. high.

254877. Col. No. K1290. Seventy km. east of Kirkuk, Iraq. Plants scarce.

254878. BROMUS RIGIDUS Roth.

Col. No. K1240. One hundred and twenty-four km. north of Mosul, Iraq. Plants to 75 cm. high, in shade of trees.

254879 and 254880. BROMUS SQUARROSUS L.

254879. Col. No. K962. Thirty km. west of Ramadi, Iraq. Plants to 20 cm. high.

254880. Ninety-seven km. north of Mosul, Iraq. Pubescent annual.

254881. BROMUS JAPONICUS Thunb.

Col. No. K1220. One hundred and twenty-four km. north of Mosul, Iraq. Glabrous annual to five dm. high.

254882. BROMUS SCOPARIUS L.

Col. No. K1243. One hundred twenty-four km. north of Mosul, Iraq. Plants to four km. high, abundant.

254883 and 254884. CARTHAMUS OXYACANTHA Bieb. Asteraceae.

254883. Col. No. K1313. Eight km. south of Arbet, Iraq.

254884. Col. No. K1336. Eight km. south of Arbet, Iraq.

254885. CHRYSOPOGON GRILLUS (L.) Trin. Poaceae.

Col. No. K1203. Four km. from Salahundin, road to Mosul, Iraq. Perennial to ten dm. high.

254886. CHRYSOPOGON sp.

Col. No. K1222. Ninety-seven km. north of Mosul, Iraq. Perennial to nine dm. high.

254887. CHRYSOPOGON GRILLUS (L.) Trin.

Col. No. K1287. Seventy km. east of Kirkuk, Iraq. Bunch type perennial to ten dm. high.

254888. CHRYSOPOGON sp.

Col. No. K1317. Thirty km. south of Arbet, Iraq. Perennial bunchgrass to one meter high.

254889. CICER ARIETINUM L. Fabaceae.**Chickpea.**

Col. No. K2187. Seed store, Talavera de la Reina, Spain.

254890 to 254892. CYNODON DACTYLON (L.) Pers. Poaceae. Bermudagrass.

254890. Col. No. K1218. Ninety-seven km. north of Mosul, Iraq. Elevation 700 meters.

254891. Col. No. K1228. Ninety-seven km. north of Mosul, Iraq. Annual.

254892. Col. No. K1330. Dry creek bed 58 km. south of Arbet, Iraq.

254859 to 254922—Continued

254893. *GLYCERIA* sp. Poaceae.

Col. No. K1768. Twenty km. west of Ghazni, Afghanistan. Abundant coarse-stemmed perennial to 8 dm. high.

254894. *HORDEUM SPONTANEUM* C. Koch. Poaceae.

Col. No. K1332. Fifty-eight km. south of Arbet, Iraq. Plants to eight dm. high.

254895. *HORDEUM* sp.

Col. No. K2188. Seed store, Talavera de la Reina, Spain.

254896. *IMPERATA* sp. Poaceae.

Col. No. K1318. Thirty km. south of Arbet, Iraq. Creeping perennial.

254897. *LINUM* sp. Linaceae.

Col. No. K1328. Dry creek bed 30 km. south of Arbet, Iraq. Plants to 18 cm. high.

254898. *LOLIUM PERENNE* L. Poaceae.

Perennial ryegrass.

Col. No. K1225. Ninety-seven km. north of Mosul, Iraq.

254899. *LOLIUM RIGIDUM* Gaud.

Wimmera ryegrass.

Col. No. K1291. Seventy km. east of Kirkuk, Iraq.

254900 and 254901. *ORYZOPSIS HOLCIFORMIS* (Bieb.) Hack. Poaceae. **Ricegrass.**

254900. Col. No. K1250. Sirsank, 142 km. north of Mosul, Iraq. Plants to one meter high.

254901. Col. No. K1782. Forty km. west of Ghazni, Afghanistan.

254902 to 254904. *PHALARIS AQUATICA* L. Poaceae. **Large canarygrass.**

254902. Col. No. K1221. Ninety-seven km. north of Mosul, Iraq. Plants to one meter high.

254903. Col. No. K1232. Seventy-one km. north of Mosul, Iraq.

254904. Col. No. K1286. Seventy km. east of Kirkuk, Iraq.

254905. *PHLEUM BOISSIERI* Bornm. Poaceae.

Col. No. K1246. Sirsank, 142 km. north of Mosul, Iraq. Annual to five dm. high.

254906 and 254907. *POA BULBOSA* L. Poaceae.

Bulbous bluegrass.

254906. Col. No. K1199. Salahudin, 127 km. east of Mosul, Iraq.

254907. Col. No. K1242. One hundred and twenty-four km. north of Mosul, Iraq.

254908. *POA TRIVIALIS* L.

Roughstalk bluegrass.

Col. No. K1234. Seventy-one km. north of Mosul, Iraq. Plants to one meter high.

254909. *POA* sp.

Col. No. K1775. Margins of small field of dryland wheat 40 km. west of Ghazni, Afghanistan. Plants abundant.

254910. *EREMOPOA PERSICA* (Trin.) Rosher Poaceae.

Col. No. K1241. One hundred and twenty-four km. north of Mosul, Iraq. Plants to six dm. high.

254911. *SECALE CEREALE* L. Poaceae.

Rye.

Col. No. K2190. Seed store, Talavera de la Reina, Spain.

254912. *TRIFOLIUM CAMPESTRE* Schreb. Fabaceae.

Large hopclover.

Col. No. K1323. Thirty km. south of Arbet, Iraq. Annual to 20 cm. high.

254859 to 254922—Continued**254913.** *TRIFOLIUM HIRTUM* All.**Rose clover.**

Col. No. K1331. Fifty-eight km. south of Arbet, Iraq. Plants to 10 cm. high.

254914. *TRIFOLIUM* sp.

Col. No. K1315. Thirty km. south of Arbet, Iraq. Annual.

254915. *TRIFOLIUM* sp.

Col. No. K1322. Thirty km. south of Arbet, Iraq. Rare annual to 15 cm. high.

254916. *TRIFOLIUM FRAGIFERUM* L.**Strawberry clover.**

Col. No. K1324. Thirty km. south of Arbet, Iraq. Rare annual to 15 cm. high.

254917. *TRIFOLIUM LAPPACEUM* L.**Lappa clover.**

Col. No. K1325. Thirty km. south of Arbet, Iraq. Rare annual to 15 cm. high.

254918. *TRITICUM* sp. Poaceae.

Col. No. K1198. One hundred and twenty-seven km. east of Mosul, Iraq. Plants to six dm. high.

254919. *TRITICUM* sp.

Col. No. K1214. Eighty-eight km. north of Mosul, Iraq.

254920. *VICIA FABA* L. Fabaceae.**Broadbean.**

Col. No. K2186. Seed store, Talavera de la Reina, Spain.

254921. *VICIA SATIVA* L.**Common vetch.**

Col. No. K2189. Seed store, Talavera de la Reina, Spain.

254922. *VICIA* sp.

Col. No. K2191. 'Algarroba'. Seed store, Talavera de la Reina, Spain.

254923. *DENDROCALAMUS STRICTUS* Nees Poaceae.**Bamboo.**

From Puerto Rico. Plants growing at the Federal Experiment Station, Mayaguez. Numbered Jan. 12, 1959.

A clone of unknown origin forming an atypical open clump. Culms very straight, erect to the tip, or slightly nodding, to 15 meters high, very thick walled or occasionally solid; nodes only slightly prominent; branches solitary except near tip of culm.

254924. *LIRIOPE SPICATA* Lour. Liliaceae.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, England. Received Jan. 12, 1959.

'Angustifolia'. A narrow-leaved form.

254925 and 254926.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 12, 1959.

254925. *CUCURBITA DIGITATA* A. Gray Cucurbitaceae.

Col. No. 16703. Between Nogales and Imuris, Sonora. Long creeping vine.

254926. *CUCURBITA* sp.

Col. No. 17652. Algodones, Sierra Charuco, Sonora. Leaves shallowly lobed; fruits pear-shaped, hanging on dead vines.

254927 to 254972.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 13, 1959.

Collected in Western Australia in 1958, unless otherwise noted.

254927. ACACIA FRAGILIS Maiden Mimosaceae.

Col. No. S-43. 'Stringybark Wattle'. Ten miles south of Muntadgin in eastern wheat belt. Slender tree to 18 feet high; flowers long, golden.

254928. AGONIS MARGINATA Schau. Myrtaceae.

Col. No. S-34. Granite tors from Albany to Esperance. Shrub to 6 feet high, rounded habit; foliage dense, silvery; flowers in terminal heads, magenta and white.

254929. ANIGOZANTHOS BICOLOR Endl. Amaryllidaceae.

Col. No. S-49. South of Bullsbrook, on west coast.

254930. ANIGOZANTHOS MANGLESII D. Don

Col. No. S-50. Moist locations in full sun. Plant to 3 feet high, irislike; foliage with blackish margins; flowers bright red and green.

254931. ANIGOZANTHOS VIRIDIS Endl.

Col. No. S-32. 'Green Kangaroo Paw'. Sandy areas which are water-logged for long periods in winter and spring, Perth to Gingin. Plants to one foot high; foliage irislike; flower stalks to 2 feet long; flowers fuzzy, bright kelly green.

254932. BANKSIA ASHBYI E. G. Baker Proteaceae.

Col. No. S-42. Murchison River road 15 miles northwest of Ajana. Shrub to 6 feet high; leaves long, deeply and regularly serrated; flowers rich in coloring, with gold and gray.

254933. BANKSIA LINDLEYANA Meissn.

Col. No. S-35. North of Wubin near Mullewa road. Shrub to 8 feet high; leaves narrow with deep serrations; flowers golden yellow, borne laterally.

254934. BEAUFORTIA SQUARROSA Schau. Myrtaceae.

Col. No. S-31. 'Sand Plain Bottlebrush'. Coastal form is straggly, colorful shrub to 6 feet high; inland form is tree to 12 feet high; leaves needlelike; flowers bright red.

254935. CALYTHRIX ANGULATA Lindl. Myrtaceae.

Col. No. S-44. 'Yellow-Fringed Myrtle'. Common on coastal plains from Albany to Jurien Bay. Plants shrubby, to 9 inches high; flowers yellow, showy.

254936. EUCALYPTUS ORBIFOLIA F. Muell. Myrtaceae.

Col. No. S-47. 'Round Leaf Mallee'. Forty-seven miles north of Southern Cross. Rounded, bluish, shrubby species to 10 feet high, leaves dislike; bark attractive in peeling; flowers lemon-yellow with white anther tips.

254937. EUCALYPTUS PYRIFORMIS Turcz.

Col. No. S-46. 'Ooldea Mallee' or 'Pear Gum'. Watheroo southeast to Wongan Hills. Tree to 12 feet high, usually with several stems; leaves thick; fruits pendant, pyriform, sometimes very large; flowers red.

254938. GREVILLIA sp. Proteaceae.

Col. No. S-33. North and east of Mingenew. Shrub to 8 feet high; leaves brown above; flowers large, cream-colored, borne above foliage.

254939. HAKEA PLATYSPERMA Hook. Proteaceae.

Col. No. S-41. Wongan Hills and northwest to Jurien Bay. Shrub to 8 feet high; leaves terete, pungent, about 5 inches in diameter; flowers brown and cream-colored; fruits large, castanet-shaped; seeds large, dislike.

254927 to 254972—Continued

254940. *MICROMYRTUS DRUMMONDII* Benth. Myrtaceae.

Col. No. S-45. 'Drummond's Heath Myrtle'. Dinner Hill and Mount Leseuer areas. Short, dense, upright shrub; foliage heathlike; flowers pinkish, small, in masses.

254941. *THRYPTOMENE AUSTRALIS* Endl. Myrtaceae.

Col. No. S-38. South of Billaricay, along railroad to Merredin. Shapely shrub to 5 feet high, of broomlike habit; flowers pink or white, numerous.

254942. *THRYPTOMENE HYPORHYTIS* Turcz.

Col. No. S-37. Dinner Hill. Shrub to 3 feet high; flowers white and pink, minute, in masses.

254943. *THRYPTOMENE KOCHII* E. Pritzel

Col. No. S-39. Dandaragan road west of Moora. Low spreading shrub to 3 feet high, in colonies of 20 or more.

254944. *THRYPTOMENE STRONGILOPHYLLA* F. Muell.

Col. No. S-36. Yellow sands 10 miles northwest of Kondat. Heathlike shrub to five feet high; flowers numerous, small, reddish-pink.

254945. *TRICHINIUM SPATHULATUM* R. Br. Amaranthaceae.

Col. No. S-40. Limestone coastal dunes 10 miles south of Geraldton. Rambler, over decadent scrub and flowers; flowers white.

254946. *BEAUFORTIA ELEGANS* Schau. Myrtaceae.

Col. No. S-131. Wanneroo. Densely branched shrub to five feet high; flowers rose-pink, to one inch in diameter, in dense clusters on short spikes.

254947. *BEAUFORTIA MACROSTEMON* Lindl.

Col. No. S-144. Bullsbrook. Densely branched shrub to 12 inches high; base thick, woody; leaves linear, dense, bronze tints; flowers green and red.

254948. *BEAUFORTIA PURPUREA* Lindl.

Col. No. S-145. Piawanning. Compact shrub to 12 inches high and usually more in diameter; leaves small, crowded; flowers deep crimson, in small compact spikes.

254949. *BORONIA MEGASTIGMA* Nees Rutaceae.

Col. No. S-128. Albany. Shrub to three feet high; foliage heathlike; flowers bell-shaped, about ¼-inch diameter, brown outside, lemon-yellow inside, fragrant.

254950. *BORONIA PURDIEANA* Diels

Col. No. S-132. 'Lemon-scented Yellow Boronia'. Light sandy soil with little humus, Wanneroo. Slender shrub to three feet high; flowers lemon-yellow, tinged green at base, very fragrant.

254951. *CALECTASIA CYANEA* R. Br. Liliaceae.

Col. No. S-133. 'Blue Tinsel Lily'. Wanneroo. Shrub to 18 inches high; foliage needlelike, bright green; flowers violet; perianth scarious, tinsel-like texture, contrasting with the large yellow anthers.

254952. *CALLISTEMON PHOENICEUS* Lindl. Myrtaceae.

Col. No. S-146. Greenhead road, 15 miles west of Coorow. Shrub to five feet high; leaves narrow, glaucous; flowers crimson, in large erect spikes.

254953. *CALOTHAMNUS BLEPHAROSPERMUS* F. Muell. Myrtaceae.

Col. No. S-147. Mullewa. Shrub to five feet high; flowers long staminate; stamen bundles of bright scarlet.

254954. *CALOTHAMNUS SANGUINEUS* Labill.

Col. No. S-148. Mount Leseuer. A compact species to 2 feet high; flowers with prominent brilliant scarlet staminal bundles.

254927 to 254972—Continued**254955. CALYTHRIX BREVIFOLIA** Meissn. Proteaceae.

Col. No. S-149. Perenjori. Compact shrub to 18 inches high, two feet in diameter; foliage dense, small; flowers violet.

254956. CONOSPERMUM CRASSINERVIUM Meissn. Proteaceae.

Col. No. S-154. Great Northern Highway, 42 miles north of Perth. Shrub to six feet high; leaves radial; scapes few bearing a broad corymb of woolly white flowers; perianth deep violet.

254957. CONOSPERMUM GLUMACEUM Lindl.

Col. No. S-134. Bullsbrook. Shrub to five feet high; stems slender, erect, little-branched; foliage dense; leaves linear, spreading; flowers yellowish white, small, in elongated spreading or drooping spikes with closely imbricate narrow glumelike yellowish white bracts.

254958. EREMAEA BEAUFORTIODES Benth. Myrtaceae.

Col. No. S-150. Hill River. Densely branched shrub to three feet high; flowers rich orange, in small dense clusters.

254959. EREMAEA EBRACTEATA F. Muell.

Col. No. S-151. Hill River. Shrub to 2½ feet high; flowers orange-red. A rare species.

254960. EREMAEA PAUCIFLORA (Endl.) Druce

Col. No. S-135. Bullsbrook. Shrub to three feet high; leaves short; linear; flowers orange-red.

254961. EREMAEA VIOLACEA F. Muell.

Col. No. S-152. Hill River. Robust shrub to three feet high; leaves large and very hirsute; flowers much larger than typical form.

254962. GREVILLEA CANDICANS C. A. Gardn. Proteaceae.

Col. No. S-155. Yuna. Erectly branched shrub to six feet high; leaves narrow; flowers white, in racemes to six inches long.

254963. HELICHRYSUM LAWRENCELLA F. Muell. Asteraceae.

Col. No. S-138. Wanneroo. Annual to 12 inches high; leaves basal; flower heads 2 inches across with radiating rose-pink ray flowers.

254964. HELICHRYSUM ROSEUM (Lindl.) Druce

Col. No. S-127. 'Everlasting'. Perenjori. Annual to 10 inches high; inner bracts radiating, rose-pink.

254965. HELIPTERUM SPLENDIDUM Hemsl. Asteraceae.

Col. No. S-139. 'Giant White Everlasting'. Perenjori. Erect annual to 16 inches high; stems wiry; leaves small, somewhat fleshy; flower heads hemispherical, 2 inches across; bracts white, a few inner ones spotted black. Largest flowered species of the genus in Australia.

254966. HIBBERTIA LASIOPUS Benth. Dilleniaceae.

Col. No. S-136. Bindoon. Diffuse shrub to 6 inches high and 20 inches in diameter; flowers to 2 inches in diameter, deep yellow, with chestnut-colored bracts.

254967. HIBBERTIA MINIATA C. A. Gardn.

Col. No. S-137. Bindoon. Erect shrub to 15 inches high; leaves gray, erect, narrow; flowers large, orange-scarlet; anthers usually purple, rarely yellow.

254927 to 254972—Continued

254968 and 254969. *HIBISCUS HUEGELII* var. *WRAYAE* (Lindl.) Benth. Malvaceae.

254968. Col. No. S-129. Great Northern Highway, five miles north of Moora. Shrub to 6 feet high; leaves deeply lobed, tomentose; flowers lavender-blue, to 6 inches across.

254969. Col. No. S-130. Great Northern Highway, 5 miles north of Moora. Leaves deeply lobed, tomentose; flowers lavender-blue.

254970. *HYPOCALYMMMA ROBUSTUM* Lindl. Myrtaceae.

Col. No. S-140. 'Swan River Myrtle'. Bullsbrook. Shrub to 3 feet high; flowers rose-pink.

254971. *PILEANTHUS FILIFOLIUS* Meissn. Myrtaceae.

Col. No. S-142. Gingin. Erect, sparsely branched shrub to 2 feet high; flowers large, red.

254972. *PIMELEA SUAVEOLENS* Meissn. Thymelaeaceae.

Col. No. S-143. Bullsbrook. Shrub to 2 feet high; stems erect; leaves glaucous; flower heads large, drooping; involucre bracts yellow or green.

254973 to 254992.

From Greece. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 14, 1959.

254973. *BRACHYPODIUM* sp. Poaceae.

Col. No. K2203. Fifty km. northwest of Tripolis.

254974 and 254975. *CARTHAMUS DENTATUS* Vahl. Asteraceae.

254974. Col. No. K2200. Fifty km. northwest of Tripolis.

254975. Col. No. K2213. Five km. south of Pharsala.

254976. *CARTHAMUS TINCTORIUS* L.

Safflower.

Col. No. K2210. From the Hellenic Agricultural Research Station, Larissa. High-yielding variety.

254977 to 254990. *CARTHAMUS* sp.

254977. Col. No. K2193. Three km. west of Theodori.

254978. Col. No. K2194. Ten km. east of Corinth.

254979. Col. No. K2195. Ruins at Mykinae.

254980. Col. No. K2196. Ten km. east of Nafplion.

254981. Col. No. K2197. Ruins at Epidauros.

254982. Col. No. K2199. One km. north of Tripolis.

254983. Col. No. K2201. Fifty km. northwest of Tripolis.

254984. Col. No. K2204. Twenty-four km. east of Olympia.

254985. Col. No. K2205. Thirty-three km. northwest of Pyrgos.

254986. Col. No. K2206. Near ferry, Rion.

254987. Col. No. K2207. Ruins, Delphi.

254988. Col. No. K2208. Five km. northwest of Levadia.

254989. Col. No. K2209. Forty-seven km. northwest of Levadia.

254990. Col. No. K2211. Ten km. south of Larissa.

254991. *DACTYLIS GLOMERATA* var. *HISPANICA* (Roth) Duby Poaceae.

Col. No. K2198. Ruins, Epidauros.

254992. *DACTYLIS GLOMERATA* L.

Orchardgrass.

Col. No. K2202. Fifty km. northwest of Tripolis.

254993 to 255017.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 14, 1959.

254993. *CALLISTEMON* sp. Myrtaceae.

Col. No. S-25. Streamside near Rylston Dam, New South Wales. Columnar shrub to 8 feet high.

254994. *EPACRIS IMPRESSA* Labill. Epacridaceae.

Col. No. S-7. Sunny roadside, Labertouche, Victoria. Slender upright shrub to 2 feet high, a so-called Australian heath; flowers along one side of stem, bright red, tubular to 1 inch long; foliage very stiff and prickly.

254995. *EUCALYPTUS* (hybrid). Myrtaceae.

Col. No. S-10. Waite Agricultural Institute, Adelaide, South Australia. A natural hybrid that comes true from seed. Tree to 25 feet high; flowers deep pinkish, larger and brighter than *E. erythronema*, the pistillate parent, which they resemble.

254996. *EUCALYPTUS BICOLOR* A. Cunn.

Blackbox.

Col. No. S-15. Murray River bank, Loxton, South Australia. Broad-headed tree 40 feet high; foliage grayish. Said to be tolerant of salty conditions.

254997. *EUCALYPTUS MACROCARPA* Hook.

Col. No. S-21. 'Rose of the West'. Garnet Hatley Garden, Horsham, Victoria. Plant straggly; flowers large, deep pink. One of the showiest species.

254998. *EUCALYPTUS NIPHOPHILA* Maiden and Blakely

Col. No. S-14. Guini Flat, Australian Commonwealth Territory. Elevation 5,200 feet. Tree to 20 feet high, twisted.

254999. *EUCALYPTUS STRICTA* Sieb.

Col. No. S-27. Khyber Pass, near Rylston, Western Australia. Mallee type, to 15 feet high; leaves glossy, narrow-lanceolate, to 4 inches long.

255000. *GREVILLEA* sp. Proteaceae.

Col. No. S-22. Western Australia. Compact spherical shrub to three feet high and three feet in diameter; flowers yellow, on 7 foot stems.

255001. *ISOPOGON* sp. Proteaceae.

Col. No. S-16. Moora-Gingin road, Western Australia. Rounded shrub to 2½ feet high; flowers pink, attractive.

255002. *KERAUDRENIA HILLII* F. Muell. Stereuliaceae.

Col. No. S-29. Dr. Blake's garden, Brisbane. Tree to 10 feet high with tendency to root sucker.

255003. *KERAUDRENIA INTEGRIFOLIA* Steud.

Col. No. S-26. Sandy garden soil, Queensland. Shrub to four feet high; flowers blue.

255004 and 255005. *LEPTOSPERMUM CORIACEUM* Cheel. Myrtaceae.

255004. Col. No. S-8. 'Green Tea Tree'. Sandy ridge south of Mildura Victoria. Bushy shrub to 6 feet high; flowers white.

255005. Col. No. S-11. Sandy roadside between Blanchetown and Waikerie, South Australia. Shrub to six feet high; flowers white.

255006. *LEPTOSPERMUM LUEHMANNII* F. M. Bail.

Col. No. S-28. Dr. Blake's garden, Brisbane, Queensland. Slender shrub to 8 feet high; flowers white; bark attractive, like *Lagerstroemia indica*.

254993 to 255017—Continued

255007 and 255008. *LEPTOSPERMUM PUBESCENS* Lam.

255007. Col. No. S-5. Anakie Gorge, southern end of Brisbane Range, Victoria. Upright shrub to seven feet high; leaves gray; flowers white.

255008. Col. No. S-9. 'Moonah'. Salt pan south of Mildura, Victoria. Bushy tree to 10 feet high.

255009. *LEPTOSPERMUM SPHAEROCARPUM* Cheel.

Col. No. S-24. Khyber Pass near Rylston, Western Australia. Gray-leaved shrub to 3 feet high; flowers white; fruit small.

255010. *MARSILEA DRUMMONDI* A. Br. Marsileaceae.

Col. No. S-17. Loxton, Southern Australia. Herbaceous creeping ground cover; frond petiolate, four-lobed, resembling 4-leaved clover; sporocarp is a bony beanlike structure, eaten by natives.

255011. *MELALEUCA* (hybrid). Myrtaceae.

Col. No. S-6. (*M. fulgens* × *M. steedmanii*). Garden of F. C. Payne, Athelstone, South Australia. Shrub to 7 feet high; flowers large, bright red.

255012. *MELALEUCA ACUMINATA* F. Muell.

Col. No. S-12. Sandy soil between Taillem Bend and Naturi, South Australia. Compact shrub to 6 feet high; flowers small, light-lavender.

255013. *MELALEUCA PUBESCENS* Schauer

Col. No. S-13. Taillem Bend-Naturi road, South Australia.

255014. *MELALEUCA SQUARROSA* J. E. Smith.

Col. No. S-19. 'Scented Paper Bark'. Victoria. Large shrub.

255015. *MELALEUCA STEEDMANII* C. A. Gardn.

Col. No. S-23. Western Australia. Spreading shrub with brilliant red "brushes", each stamen tipped by a golden anther.

255016. *RICINOCARPUS PINIFOLIUS* Desf. Euphorbiaceae.

Col. No. S-20. 'Wedding Flower'. Coastal highway, Frankston, Victoria. Rounded shrub to four feet high; foliage dark green, needlelike; flowers waxy white, 0.75 inch in diameter.

255017. (Undetermined.)

Col. No. S-18. Waitpinga, Victor Harbor Road, South Australia. Shrub to four feet high; foliage stiff, sharp pointed needlelike; flowers red.

255018. *CALOTROPIS GIGANTEA* (L.) R. Br. Asclepiadaceae.

From Pakistan. Seeds presented by S. A. Khan, Lahore. Received Jan. 15, 1959.

Open wastelands in Kundian Tehsil, Mianwali District, West Pakistan. Elevation 400 feet. Average annual rainfall 12 inches, minimum temperature 35° F. Arid zone subshrub.

255019 to 255072.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 15, 1959.

Collected in Western Australia.

255019. *ACACIA BEAUVERDIANA* Ewart. Mimosaceae.

Col. No. S-51. Widgiemooltha, between Norseman and Coolgardie. Shrub to eight feet high; phyllodia dense, to three inches long.

255019 to 255072—Continued

255020. *ACACIA LINOPHYLLA* Fitzg.

Col. No. S-178. 'Bogata'. Nalbarra Station, upper Murchison. Tree to 20 feet high; leaves narrow, linear, grayish; seed pods to 6 inches long, grayish with purplish stripes. Sheep are fond of pods.

255021. *ACACIA MERRALLII* F. Muell.

Col. No. S-53. One hundred miles east of Perth. Fusiform gray shrub to six feet high.

255022. *ACTINOTUS HELIANTHI* Labill. Apiaceae.

Col. No. S-54. 'Flannel Flower'. Sidney, New South Wales. Herb to 2 feet high; foliage denticulate, fuzzy gray; flowers large, daisylike.

255023. *ANIGOZANTHUS FLAVIDA* DC. Amaryllidaceae.

Col. No. S-55. Collie. Grows from strong rhizomes. Plant over six feet high when in flower; rhizomatous; flowers dark red.

255024 to 255029. Purchased from Johnson & Co., Joondanna.

255024. *BANKSIA ASHBYI* Baker f. Proteaceae.

Col. No. S-165. Ajana. Shrub or small tree to 15 feet high; leaves long, glaucous; flowers on short compact glabrous spikes, orange.

255025. *BANKSIA BURDETTII* Baker f.

Col. No. S-166. 'Burdett's Banksia'. Shrub to 10 feet high; branches spreading; flowers orange-yellow, in cones to 6 inches long.

255026. *BANKSIA CANDOLLEANA* Meissn.

Col. No. S-168. Shrub to 4 feet high, with underground creeping stems; flowers orange-yellow; fruiting cones odd-shaped.

255027. *BANKSIA HOOKERIANA* Meissn.

Col. No. S-171. Shrub to six feet high; widely branched; leaves bright green, narrow, to five inches long; cones terminal, orange-yellow.

255028. *BANKSIA LARICINA* C. A. Gardn.

Col. No. S-167. Shrub to 4 feet high; leaves green, crowded, about an inch long; flowers yellow, in subglobular spikes to two inches in diameter; cones three inches in diameter, three inches long, with large colored petal-like capsules.

255029. *BANKSIA SCEPTRUM* Meissn.

Col. No. S-170. Erect, densely branched shrub to 8 feet high; leaves small; flowers golden yellow, to 9 inches long, on large terminal spikes.

255030. *BANKSIA SPECIOSA* R. Br.

Col. No. S-187. Esperance. Densely branched, leafy shrub to 20 feet high; flowers pale yellow; cones oblong.

255031. *BANKSIA SPHAEROCARPA* R. Br.

Col. No. S-169. Purchased from Johnson & Co., Joondanna. Tree with a pine-like habit and foliage to 3 feet high; flowers lemon-yellow in cylindrical spikes.

255032. *BORONIA CYMOSA* Endl. Rutaceae.

Col. No. S-164. 'Granite Boronia'. Along Mullewa road, 36 miles from Geraldton. Shrub to one foot high, spreading to 2 feet across; flowers soft pink.

255033. *BURCHARDIA* sp. Liliaceae.

Col. No. S-175. Burma road 40 miles southeast of Geraldton. Bulbous plant to one foot high; flowers white.

255034. *BYBLIS GIGANTEA* Lindl. Droseraceae.

Col. No. S-189. Cannington. Insectivorous plants; leaves linear, in rosettes, to 12 inches long, covered with viscid drops; flowers rosy-purple, to 1 inch in diameter; spikes to two feet high.

255019 to 255072—Continued

255035. *CALLISTEMON SPECIOSUS* (Sims) DC. Myrtaceae.

Showy bottlebrush.

Col. No. S-184. Albany-Denmark highway. Shrub to four feet high; foliage broad lanceolate; flowers in large "brushes" to eight inches long, brilliant red.

255036. *CALLISTEMON PACHYPHYLLUS* Benth.

Col. No. S-186. Dr. Blake's Garden, Brisbane. Shrub to eight feet high.

255037. *CALOTHAMNUS CHRYSANTHEUS* F. Muell. Myrtaceae.

Col. No. S-56. Billericay, 22 miles north of Kondinin. Erect shrub to five feet high; leaves long, terete; flowers red and yellow.

255038. *CALOTHAMNUS HOMALOPHYLLUS* F. Muell.

Col. No. S-57. Binni, 45 miles north of Geraldton. Shrub to eight feet high; leaves glabrous, broad; flowers brilliant.

255039. *CALOTHAMNUS LONGISSIMUS* F. Muell.

Col. No. S-58. 'Long Leaved Net Bush'. Southwest of Three Springs. Curious shrub four feet high; leaves long, wavy, terete; flowers dark red, borne below foliage.

255040. *CALOTHAMNUS PACHYSTACHYUS* Benth.

Col. No. S-59. East of Wandering and south of Pingelly. Upright shrub to six feet high; leaves grayish, flat, oblanceolate; flowers red.

255041. *CALOTHAMNUS SANGUINEUS* Labill.

Col. No. S-179. 'Net Bush'. Mullewa road, 30 miles out from Geraldton. Shrub to four feet high. Flowers usually on one side of stem. This species goes around the stem.

255042. *CALYTHRIX ANGULATA* Lindl. Myrtaceae.

Col. No. S-60. Perth. Plant to one foot high with numerous stems from ground; flowers terminal, yellow.

255043. *CALYTHRIX FLAVESCENS* A. Cunn.

Col. No. S-61. Watheroo to Jurien Bay. Undershrub to three feet high; foliage light, open; flowers in spikes or pyriform heads.

255044. *CALYTHRIX FRASERI* A. Cunn.

Col. No. S-62. 'Fraser's Fringed Myrtle'. Perth coastal sands. Loose shrub; flowers large, rosy or reddish-pink.

255045. *CALYTHRIX STRIGOSA* A. Cunn.

Col. No. S-63. Geraldton. Divaricate undershrub to two feet high; flowers star-shaped, striped, pink to deep violet; calyx awnless.

255046. *CALYTHRIX TENUIFOLIA* Meissn.

Col. No. S-64. Dinner Hill. Plant one foot high, bushy, rounded, with tendency to spread; flowers purple with white, yellow or reddish "eye".

255047. *CALYTHRIX* sp.

Col. No. S-156. Mullewa road, 30 miles from Geraldton. Shrub to 18 inches high; foliage minute, succulent; flowers pink, star-shaped.

255048. *CASSIA EREMOPHILA* A. Cunn. Caesalpinaceae.

Col. No. S-157. 'Desert Cassia'. Little Desert, Kiata, Victoria. Fine-leaved shrub to six feet high; flowers yellow, showy.

255049. *CASSIA STURTII* R. Br.

Col. No. S-158. 'Dense Cassia'. Shrub to six feet high; leaves gray.

255019 to 255072—Continued

255050. *CLEMATIS ARISTATA* R. Br. Ranunculaceae.

Col. No. S-177. Coastal dunes 10 miles south of Geraldton. Scrambling vine completely covering shrubs.

255051. *COMMERSIONIA* sp. Sterculiaceae.

Col. No. S-30. Dr. Blake's garden, Brisbane. Small tree or large shrub; flowers lavender.

255052. *CONOSPERMUM INCURVUM* Lindl. Proteaceae.

Col. No. S-65. 'Smoke Bush'. Tammin Reserve. Shrub to four feet high; flowers in grayish racemes, giving the bush a smoky appearance from a distance.

255053. *DAMPIERA ERIOCEPHALA* DeVriese Goodeniaceae.

Col. No. S-66. Narambeen. Herbaceous plant to six inches high; flowers light blue, in heads.

255054. *DIPLOLAENA DAMPIERI* Desf. Rutaceae.

Col. No. S-182. Southern outskirts of Geraldton. Shrub to eight feet high; foliage grayish; flower heads to two inches across, dull reddish-pink.

255055. *DODONAEA ADENOPHORA* Miq. Sapindaceae.

Col. No. S-67. 'Hop Bush'. Light sandy loams, Coolgardie. Small upright shrub; twiggy; foliage fine pinnate; fruits scarlet, hoplike.

255056. *DODONAEA MICROZYGA* F. Muell.

Col. No. S-68. Summit of Fraser Range. Shrub to three feet high; leaves pinnate; fruits showy. A dry climate shrub.

255057. *DROSERA* sp. Droseraceae.

Col. No. S-188. Near Carnamah. Small species; flowers orange.

255058. *DRYANDRA CARLINOIDES* Meissn. Proteaceae.

Col. No. S-172. Walkaway and Ellendale road. Shrub to one foot high; foliage prickly.

255059. *DRYANDRA PRAEMORSA* Meissn.

Col. No. S-69. 'Holly Dryandra'. Darling Range. Tree to 18 feet high; leaves oaklike; flowers yellow, two inches across.

255060. *DRYANDRA SPECIOSA* Meissn.

Col. No. S-70. Deep sandy loams, Tammin Reserve, Perth. Shrub to five feet high; foliage dark green, piniform; flowers semipendent, white.

255061. *EREMAEA VIOLACEA* F. Muell. Myrtaceae.

Col. No. S-180. Burma Road, 40 miles southeast of Geraldton. Shrub to two feet high and three feet across; foliage heathlike; flowers showy with violet and blue balls of fluffy stamen.

255062. *EREMAEA* sp.

Col. No. S-71. Badgingorra, 125 miles north of Perth. Shrub to five feet high; foliage heathlike; flowers orange.

255063. *EUCALYPTUS BURRACOPPIENSIS* Maiden & Blakely Myrtaceae.

Col. No. S-72. 'Burracoppin Malee'. Burracoppin. Shrub to 15 feet high; flowers cream-colored, showy.

255064. *EUCALYPTUS CAMPASPE* S. L. Moore

Col. No. S-73. 'Silver-topped Gimlet'. Coolgardie. Tree to 30 feet high; trunk fluted; underbark glabrous, ruby-red; flowers yellow.

255065. *EUCALYPTUS FORRESTIANA* Diels

Col. No. S-74. 'Fuchsia Gum' or 'Forrests Marlock'. South of Norseman. Shrub to 15 feet high; buds and seed pods red, ornamental.

255019 to 255072—Continued**255066.** *EUCALYPTUS MARGINATA* J. E. Smith

Col. No. S-75. Near Albany. Shrub; leaves dark green, shining, broadly oblanceolate; flowers cream-colored, borne in masses; fruits large.

255067. *EUCALYPTUS REGNANS* F. Muell.Col. No. S-160. Cumberland Acre, Marysville, Victoria. Tree said to rival *Sequoias*, to 200 feet high.**255068.** *EUCALYPTUS WOODWARDII* Maiden

Col. No. S-76. 'Woodward's Blackbutt'. Dry country east of Kalgoorlie. Tree to 40 feet high; foliage glaucous, ornamental; flowers golden-yellow.

255069. *GELEZNOWIA CALYCINA* Benth. Rutaceae.

Col. No. S-77. 'Yellow Boronia'. Perth. Plant to one foot high; foliage pallid, tuberculate, ovate, decussate; flowers yellow, to one inch diameter.

255070. *GREVILLEA ENDLICHERIANA* Meissn. Proteaceae.

Col. No. S-161. Mullewa road, 32 miles from Geraldton. Upright shrub to four feet high; foliage silvery, needlelike; flowers pink.

255071. *GREVILLEA* sp.

Col. No. S-176. Mullewa road, 35 miles from Geraldton. Shrub to six feet high; foliage needlelike; flowers pink; seed pods warty, very sticky.

255072. *GREVILLEA PETROPHILOIDES* Meissn.

Col. No. S-78. Mount Sterling. Shrub; flowers pink, in tall plumes.

255073. *MIMOSA INVISA* Mart. Mimosaceae.

From the Belgian Congo. Seeds presented by the Institut National pour l'Etude Agronomique du Congo Belge, Kaniama. Received Jan. 16, 1959.

A remarkable humus producer, making a herbage mat to three feet thick. A spineless form but thorny mutations occur. Native to tropical Africa.

255074. *MACROZAMIA REIDLEI* C. A. Gard. Cycadaceae.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 19, 1959.

From Bindoon, West Australia.

255075. *BUXUS SEMPERVIRENS* L. Buxaceae. **Common box.**

From Yugoslavia. Seeds collected by F. G. Meyer, Missouri Botanical Garden, St. Louis, Mo. Numbered Jan. 22, 1959.

'Agram'. From 1935 seeds from Skoplje, Vardas River Valley, Macedonia. Slow-growing upright, columnar form; branches ascending, forming a narrow columnar shrub several feet high.

255076. *EHRETIA ANACUA* Teran & Berland Boraginaceae.

From Texas. Plant collected by Lynn Lowrey, Lowrey Nursery, Houston. Received July 16, 1958. Numbered Jan. 22, 1959.

Collected at Victoria. A relatively unknown ornamental.

255077. *THESPESIA LAMPAS* (Cav.) Dalz. & Gibs. Malvaceae.

From Nepal. Seeds presented by George Kneirim, Kathmandu. Received Jan. 12, 1959.

Elevation 1,500 feet.

255078 to 255135.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 16, 1959.

Collected in Western Australia.

255078. PILEANTHUS PEDUNCULARIS Endl. Myrtaceae.

Col. No. S-103. 'Copper Cups'. Mullewa. Shrub to four feet high; flowers numerous, simple, apricot and orange shades.

255079. HAKEA AMPLEXICAULIS R. Br. Proteaceae.

Col. No. S-79. Darling Range, Perth. Rigid, prickly shrub to ten feet high; leaves stem-clasping, heart-shaped, deeply serrated; flowers yellow to pink, in leaf axils.

255080. HAKEA BUCCULENTA C. A. Gard.

Col. No. S-80. Mullewa, north of Geraldton. Plant tall, narrow-leaved; flowers scarlet.

255081. HAKEA ELLIPTICA (Smith) R. Br.

Col. No. S-81. 'Mount Clarence Hakea'. Mount Clarence, Albany. Upright shrub to eight feet high; leaves bronze tipped, broadly elliptical, light green; flowers white.

255082. HAKEA INCRASSATA R. Br.

Col. No. S-82. Ravensthorpe to Ajana. Spreading shrub to four feet high; leaves obtuse to elliptical, light grayish; flowers brown and cream-colored; fruits globular, to one inch in diameter.

255083. HAKEA LASIANTHA R. Br.

Col. No. S-83. Albany. Leaves lanceolate, dense; flowers white or cream-colored.

255084. HAKEA MEGALOSPERMA Meissn.

Col. No. S-84. Mount Lesueur, five miles east of Jurien Bay. Low spreading shrub; fruits ovate, flat, to four inches diameter, borne upright on stems above foliage.

225085. HAKEA RECURVA Meissn.

Col. No. S-85. North of Irwin. Shrub to 20 feet high; leaves rigid needle-like; flowers yellow.

225086. HEMIGENIA sp. Menthaceae.

Col. No. S-86. Kondivan. Hardy shrub to three feet high; stems soft, hirsute; foliage penstemonlike; flowers pink.

225087. HEMIGENIA sp.

Col. No. S-88. North of Wongan Hills. Woolly shrub to three feet high; flowers borne in erect axillary spikes, carmine-pink.

225088. ISOPOGON DIVERGENS R. Br. Proteaceae.

Col. No. S-89. 'Cone Bush'. Carnamah, south to Quairading. Shrub to five feet high; leaves pinnately divided into rigid narrow segments; flowers silvery pink, in terminal cones.

225089. ISOPOGON HETEROPHYLLUS Meissn.

Col. No. S-90. South of Pingelly to Albany. Upright shrub to six feet high; leaves pinnate; flowers yellow.

225090. ISOPOGON LATIFOLIUS R. Br.

Col. No. S-92. 'Cone Bush'. Albany to Cape Riche. Shrub to six feet high; branches bear heads of rose-pink flowers.

255078 to 255135—Continued

255091. *LACHNOSTACHYS COOLGARDIENSIS* S. Moore Verbenaceae.

Col. No. S-93. Ten miles west of Coolgardie. Spreading shrub to four feet high; foliage white, wooly; flowers small, blue.

255092. *LAMBERTIS FORMOSA* Smith Proteaceae.

Col. No. S-94. 'Mountain Devil'. Blue Mountains, Hawkesbury. Shrub to five feet high; flowers red or deep pink.

255093. *LEPTOSPERMUM SPHAEROCARPUM* Cheel. Myrtaceae.

Col. No. S-24A. Khyber Pass near Rylston. Shrub to three feet high; leaves gray; flowers white.

255094 and 255095. *LEPTOSPERMUM SPINESCENS* Endl.

Purchased from Johnson & Co., Joondanna.

255094. Col. No. S-141. Rigid shrub to two feet high; branches spinescent; flowers large, white, with green center.

255095. Col. No. S-181. Burma Road, 40 miles southeast of Geraldton. Spinescent shrub to two feet high; flowers white with greenish cast.

255096. *MACROPIDIA FULIGINOSA* Druce Amaryllidaceae.

Col. No. S-95. 'Black Kangaroo Paw'. Herb with irislike foliage, to two feet high; flower stalks to six feet high; flowers black and green.

255097. *MARIANTHUS LINATUS* F. Muell. Pittosporaceae.

Col. No. S-174. Mullewa road, about 30 miles from Geraldton. Vine that may be pruned and treated as a low shrub.

255098. *MARIANTHUS RINGENS* F. Muell.

Col. No. S-162. 'Chapman River Creeper'. Chapman River bank near Geraldton. Vine; foliage glossy green; flowers pendent red bells to 1 inch long.

255099. *MELALEUCA GRAMINEA* S. Moore Myrtaceae.

Col. No. S-96. 'Grass Leaf Paperbark'. Albany. Tree or shrub to 20 feet high; bark white; leaves lanceolate, bright green.

255100. *MELALEUCA PUNGENS* Schau.

Col. No. S-97. 'Prickly Bottlebrush'. Popanginning. Rigid shrub to four feet high; young foliage fragrant; flowers yellow, in spikes three inches long.

255101. *MELALEUCA SCABRA* R. Br.

Col. No. S-98. 'Trichophylla'. Mullewa, Geraldton. Compact shrub to five feet high; leaves dark green; flowers crimson, in terminal heads; anther tips white.

255102. *MELALEUCA STEEDMANII* C. A. Gardn.

Col. No. S-153. Perenjori. Purchased from Johnson & Co., Joondanna. Shrub to six feet high; branches erect, twiggy; leaves glaucous; flowers in short spikes, scarlet, with broad, prominent staminal bundles.

255103. *MELALEUCA THYOIDES* Turcz.

Col. No. S-99. Murchison, 15 miles northwest of Ajana. Leaves bright green, short, sessile, ovate; flowers purple to mauve, in terminal heads.

255104. *MELALEUCA* sp.

Col. No. S-183. Highway near Pindar. Tree or large shrub ten feet high; flowers lavender.

255105. *MICROMYRTUS HURSTHOUSEI* Fitzg. Myrtaceae.

Col. No. S-101. Cockleshell Gully, five miles east of Jurien Bay. Upright shrub to three feet high; flowers small, white or pink, in masses.

255078 to 255135—Continued

255106. *MICROMYRTUS HYMENONEMA* (F. Muell.) C. A. Gardn.

Col. No. S-100. Badgingaria. Procumbent shrub to six inches high; foliage heathlike; flowers pearl-like, in strings, on soil.

255107. *MIRBELIA OXYLOBOIDES* F. Muell. Fabaceae.

Col. No. S-163. Mount Canobolus. Shrub to four feet high; flowers yellow.

255108. *PETROPHILA BILOBA* R. Br. Proteaceae.

Col. No. S-102. 'Rock Cone Bush'. Armadale and Darling Range, Perth. Shrub to 10 feet high; leaves short, trident; flowers woolly, mauve and yellow.

255109. *PITYRODIA* sp. Verbenaceae.

Col. No. S-87. 'Wooly Bush'. West Geraldton. Plant upright, to four feet high; stems yellow; upper surface of leaves white; flowers bronze.

255110. *RULINGIA DENSIFLORA* Benth. Sterculiaceae.

Col. No. S-104. Ajana to Geraldton. Plant to four feet high; foliage woolly; umbels to two feet across; flowers small, white.

255111. *SCHOLTZIA INVOLUCRATA* Druce Myrtaceae.

Col. No. S-105. Dinner Hill. Shrub to ten feet high; leaves short, decusate, bright green; flowers pearly-white, numerous.

255112. *SCHOLTZIA LEPANTHA* Benth.

Col. No. S-106. Five miles south of Ajana. Shrub to four feet high; leaves small; flowers small, pink or white; in masses.

255113. *THRYPTOMENE BAECKEACEA* F. Muell. Myrtaceae.

Col. No. S-107. 'Purple Ti-Tree'. Northampton, Geraldton. Compact shrub to three feet high, flat-topped; leaves dark green, minute; flowers purple, numerous.

255114. *THRYPTOMENE RACEMULOSA* Turcz.

Col. No. S-108. 'Walebing Thryptomene'. Five miles south of Walebing. Shrub to four feet high; flowers pink and white.

255115. *THRYPTOMENE SAXICOLA* (A. Cunn.) Schau.

(No field note.)

255116. *THRYPTOMENE TUBERCULATA* E. Pritz.

Col. No. S-109. Thickets 10 miles west of Moora. Flat-topped rounded shrub to four feet high; free flowering.

255117. *TRICHINIUM MANGLESII* Lindl. Amaranthaceae.

Col. No. S-110. Bendering. Perennial to two feet high; flowers silver and crimson, in terminal cone-shaped spikes.

255118. *VERTICORDIA BROWNII* DC. Myrtaceae.

Col. No. S-111. Mullewa to Tammin Reserve. Shrub to three feet high; flowers in large heads, compact, white to cream-colored, minute.

255119. *VERTICORDIA DENSIFLORA* Lindl.

Col. No. S-114. 'Pink Morrison'. Perth. Shrub to four feet high; flowers in corymbs, white or pink.

255120. *VERTICORDIA GRANDIS* Drumm.

Col. No. S-112. 'Scarlet Morrison'. Irwin River, south to Gingin. Straggly shrub; foliage gray; flowers bright red, feathery.

255121. *VERTICORDIA HUEGELI* Endl.

Col. No. S-115. Moora. Erect shrub to three feet high; flowers open yellowish or white and turn pinkish.

255078 to 255135—Continued

255122. *VERTICORDIA MONADELPHA* Turcz.

Col. No. S-116. 'Woolly Morrison' or 'Woolly Feather Flower'. Wongan Hills. Dense, rounded shrub to three feet high; flowers rose-colored, woolly.

255123 and 255124. *VERTICORDIA MUELLERIANA* E. Pritz.

255123. Col. No. S-117. Mullewa. Slender plant to six feet high; leaves sessile, round, decussate; flowers glaucous or green and golden bronze.

255124. Col. No. S-118. Watheroo. Plant to seven feet high.

255125. *VERTICORDIA NITENS* Schau.

Col. No. S-119. 'Grease Feather Flower' or 'True Morrison'. Wanneroo, Morra River. High erect plant; umbels large; flowers small, yellow.

255126. *VERTICORDIA OCLATA* Meissn.

Col. No. S-120. Diviner Hill, east of Hill River. Upright plant to five feet high; leaves opposite, ovate, odd; flowers delicate, pink and white.

255127. *VERTICORDIA PENNIGERA* Endl.

Col. No. S-122. Hill River area to Stirling Range. Shrub to two feet high; flowers mauve, in 1.5 foot spikes.

255128. *VERTICORDIA PICTA* Endl.

Col. No. S-121. Widgemoolthan, north of Norseman. Shrub to three feet high; flowers pink.

255129. *VERTICORDIA PLUMOSA* Druce.

Col. No. S-123. Boogingarra to Moora. Shrub to three feet high; flowers in heads, pink to white.

255130. *VERTICORDIA PREISSII* Schau.

Col. No. S-113. 'Yellow Morrison'. Mundagin. Compact two-foot heads of numerous, small, yellow flowers.

255131. *VERTICORDIA ROEI* Endl.

Col. No. S-124. Southern Cross. Shrub to four feet high; heads umbellate; flowers white to cream-colored and red.

255132. *VERTICORDIA SPICATA* F. Muell.

Col. No. S-125. Southeast of Carnamah. Plant to 10 feet high; flowers heads spicate.

255133. *XYLOMELUM OCCIDENTALE* R. Br. Proteaceae.

Col. No. S-126. 'Western Wood Pear'. Coast south of Perth. Small tree or large shrub; leaves white, hollylike when young; flowers white or pink; fruit pearlike.

255134. Undetermined.

Col. No. S-159. Norseman. Shrub to two feet high.

255135. *HIBISCUS* sp. Malvaceae.

Col. No. S-173. Mullewa road, Geraldton. Leaves glaucous; flowers lavender blue, to three inches in diameter.

255136 and 255137. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae. **Watermelon.**

From the Union of South Africa. Seeds presented by the Department of Agriculture, Pretoria, Transvaal. Received Jan. 20, 1959.

255136. Tsamma selection from Nelspruit, Eastern Transvaal.

255137. Large Tsamma type from Pretoria Horticultural Research Station.

255138. Cicer arietinum L. Fabaceae. Chickpea.

From India. Seeds presented by the Government Economic Botanist, Uttar Pradesh, Kanpur. Received Jan. 20, 1959.

Selection No. 106. Plants semierect, late maturing; seeds medium-sized brown. Yields 1476-1640 lbs. per acre. Has resistance to gram wilt.

255139. Citrullus lanatus (Thunb.) Mansf. Cucurbitaceae. Watermelon.

From the Union of South Africa. Seeds presented by the Federal Ministry of Agriculture, Salisbury, Rhodesia and Nyasaland. Received Jan. 21, 1959.

Originally from Northern Transvaal.

255140 and 255141. Triticum aestivum L. Poaceae. Common wheat.

From Austria. Seeds presented by the Seed Testing Station, Vienna. Received Jan. 21, 1959.

255140. 'Loosdorfer Manfred' (winter-spring type).

255141. 'Tiroler Binkel' (early season), (summer type).

255142. Hordeum murinum L. Poaceae.

From Chile. Seeds collected by W. Q. Loegering, Estacion Experimental de "Rinconada" Chile. Received Jan. 21, 1959.

255143 to 255150.

From Turkey. Seeds presented by the University of Nebraska Faculty in Turkey, United States Operations Mission, Ankara. Received Jan. 21, 1959.

255143 to 255145. Agropyron cristatum (L.) Gaertn. Poaceae. Crested wheatgrass.

255143. No. 7003.

255144. No. 57003. Tall growing, rhizomatous.

255145. No. 57003. Short growing, rhizomatous.

255146. Agropyron elongatum (Host) Beauv.

No. 6040.

255147. Agropyron intermedium (Host) Beauv.

No. 57001.

255148 and 255149. Agropyron elongatum (Host) Beauv.

255148. No. 57008.

255149. No. 57001.

255150. Agropyron sp.

No. 57002.

255151 to 255163.

From Argentina. Seeds presented by the Instituto de Fitotecnica, Castelar. Received Jan. 21, 1959.

255151. Hordeum bulbosum L. Poaceae. Bulbous barley.

La Estanzuela, R.O. del Uruguay.

255152. Hordeum (hybrid).

Hordeum compressum × *H. stenostachys*. La Estanzuela.

255153. Hordeum halophilum Griseb.

Vega de Santa Rosa, San Juan.

255151 to 255163—Continued

255154. *HORDEUM HEXAPLOIDUM* Covas.

Between General Acha and Chacharramendi, La Pampa.

255155. *HORDEUM JUBATUM* L.

Foxtail barley.

La Pampa.

255156 and 255157. *HORDEUM LECHLERI* Schenck.

255156. Chubut.

255157. Pilcaniyeu, Rio Negro.

255158. *HORDEUM MURINUM* L.

Los Juncos, Rio Negro.

255159. *HORDEUM MUTICUM* Presl

Comallo, Rio Negro.

255160. *HORDEUM PARODII* Covas.

Las Plumas, Chubut.

255161. *HORDEUM STEBBINSII* Covas.

Anguil, La Pampa.

255162 and 255163. *HORDEUM STENOSTACHYS* Godr.

255162. Anguil, La Pampa.

255163. Luan Toro, La Pampa.

255164 to 255185.

From Poland. Seeds presented by the Polish Academy of Science, Institute of Plant Breeding, Poznan. Received Jan. 22, 1959.

255164. *ALOPECURUS PRATENSIS* L. Poaceae.

Meadow foxtail.

'Polanowicki'.

255165 to 255167. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.

Tall oatgrass.

255165. 'Skrzeszowicki'.

255166. 'Wieclawicki'.

255167. Poznan District.

255168 and 255169. *DACTYLIS GLOMERATA* L. Poaceae.

Orchardgrass.

255168. 'Poznan' (late).

255169. Poznan District.

255170. *FESTUCA ELATIOR* L. Poaceae.

Meadow fescue.

'Nakielska'.

255171. *FESTUCA RUBRA* L.

Poznan District.

255172 to 255174. *LOLIUM MULTIFLORUM* Lam. Poaceae.

Italian ryegrass.

255172. 'Skrzeszowicki'.

255173. 'Szelelyewski'.

255174. Poznan District.

255175. *LOLIUM PERENNE* L.

Perennial ryegrass.

'Wieclawicki'.

255176 and 255177. *LOTUS CORNICULATUS* L. Fabaceae.

Birdsfoot trefoil.

255176. 'Bursztyn'.

255177. 'Skrzeszowicka'.

255164 to 255185—Continued

255178 and 255179. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urban. Fabaceae.
Alfalfa.

255178. 'Miechowska'.

255179. 'Piaskowa SWHN'.

255180 to 255182. *PHLEUM PRATENSE* L. Poaceae. Timothy.

255180. 'Wieclawicka'.

255181. 'Skrzeszowicka'.

255182. 'Szeleyewska'.

255183 and 255184. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

255183. 'Gloria'.

255184. 'Skrzeszowicka'.

255185. *TRIFOLIUM REPENS* L. Whiteclover.
'Podkowa'.

255186. *PRINGLEA ANTISCORBUTICA* R. Br. Brassicaceae.
Kerguelen cabbage.

From Cuba. Seeds presented by the Gray Herbarium, Harvard University,
Cambridge, Mass. Received Feb. 4, 1959.

255187 to 255192.

From the United States and Canada. Plants growing at the Regional Plant
Introduction Station, Geneva, New York. Numbered Jan. 22, 1959.

255187. *VITIS AESTIVALIS* Michx. Vitaceae.

G6277. Collected at the Smith Farm, Junnius, New York. Vine better
than average vigor; bark reddish; leaves dull green, lobed, with dull gray veins;
resistant to *Phylloxera* spp. and susceptible to leaf spot. Compatible with *V.*
labrusca.

255188 to 255192. *VITIS RIPARIA* Michx.

255188. G6274. Collected in Alberta Province, Canada. Vine has poor
vigor; leaves lobed; wood matures about the middle of July, very winter-
hardy; resistant to *Phylloxera* spp. Compatible with *V. labrusca* and *V.*
vinifera.

255189. G6275. 'Urbana #1'. Collected at Hammondsport, New York.
Vine very vigorous; leaves three-lobed; wood matures in 120 days, winter-
hardy; resistant to *Phylloxera* spp. Compatible with *V. labrusca* and
V. vinifera.

255190. G6279. Collected near Montreal, Canada. Vine vigorous,
branched; bark red; leaves small, three lobed, bright green, serrated with
translucent veins; wood matures about July 15, winter hardy; resistant to
Phylloxera spp.; compatible with *V. labrusca* and *V. vinifera*.

255191. G6280. Collected near Quebec, Canada. Vine with poor vigor,
branched; bark red; leaves small, three lobed, bright green, serrated with
translucent veins; wood matures about July 15, winter hardy; resistant to
Phylloxera spp. Compatible with *V. labrusca* and *V. vinifera*.

255192. G6283. 'Geneva #6'. Collected near Geneva, New York.
Vine vigor good, branched; bark red; leaves small, five lobed, bright green,
serrated with translucent veins; wood matures in 120 days, winter hardy;
resistant to *Phylloxera* spp. Compatible with scions of *V. labrusca* and
V. vinifera. Has grooved vines similar to *V. aestivalis*.

255193. ZEA MAYS L. Poaceae.**Corn.**

From Canada. Seeds presented by the Montreal Botanical Garden, Montreal. Received Jan. 23, 1959.

A selection from P.I. 231227, a yellow flint corn. The selection is a yellow sweet corn, and was separated from Gaspe dwarf corn obtained through the Montreal Botanical Garden.

255194. LOLIUM PERSICUM Boiss. & Hohen. Poaceae.

From Afghanistan. A selection made from a shipment of *Lolium temulentum* received in 1954 from Afghanistan. Numbered Jan. 23, 1959.

Erect, slender annual to 23 inches high; clumps to six inches wide; seeds oblong with long, slender awn.

255195. CITRUS HYSTRIX DC. Rutaceae.

From the Philippines. Seeds presented by the Director of Plant Industry, Manila. Received Jan. 26, 1959.

Slender, spiny tree to 6 meters high; leaves simple, aromatic with broad leaflike petiole; fruit greenish-yellow, becoming yellowish-orange after harvest, oblate, 5.6 cm. long, 6.0 cm. wide, base necked; skin rough; seeds many; juice very sour and slightly bitter.

255196 to 255217.

From Guatemala and Mexico. Tubers collected by J. G. Hawkes, J. P. Hjerting, and R. N. Lester, Birmingham University Plant Collection Expedition to Mexico and Central America, Birmingham, England. Received Jan. 27, 1959.

Collected in Guatemala except where otherwise noted.

255196 and 255197. SOLANUM AGRIMONIFOLIUM Rydb. Solanaceae.

255196. Col. No. 1851. San Andres Chapil, San Marcos. Elevation 2,750 meters. Plant to 2 meters high; tubers produced intermittently along stolons.

255197. Col. No. 1889. Cerro El Quiche, road to Los Encuentros, Department Totonicapan. Elevation 3,300 meters. Tubers hairy.

255198 to 255202. SOLANUM BULBOCASTANUM Dun.

255198. Col. No. 1717. Puebla-Oaxaca road, Mexico 500 km. from Mexico City. Elevation 2,050 meters. In dry bean field.

255199. Col. No. 1719. Near Siete Cabrillas, Mexico, Oaxaca road 475 km. from Mexico City.

255200. Col. No. 1789. Rich clay and humus, junction of Huehuetenango and Pan American Highways, Huehuetenango. Elevation 1,850 meters.

255201. Col. No. 1796. Damp gully, Huehuetenango-Quezaltenango road, five km. south of Malacatancito, Huehuetenango. Elevation 1,800 meters. Plant to 80 cm. high.

255202. Col. No. 1938. Salama-Copan road, 16 miles from Salama, Baja Verapaz. Elevation 1,700 meters. Plants small.

255203. SOLANUM CARDIOPHYLLUM var. ENDOIODANDRUM Bitt.

Col. No. 1729. Pan American Highway between Oaxaca and Mitla, Mexico. Elevation 1,600 meters. Plants small; mother and daughter tubers.

255204 to 255214. SOLANUM CLARUM Correll

255204. Col. No. 1776. Sierra de los Cuchumatanes, 45 km. from Huehuetenango, Huehuetenango. Elevation 3,300 meters. Plants small; tubers deep violet.

255205. Col. No. 1777. Sierra de los Cuchumatanes, 45 km. from Huehuetenango, Huehuetenango. Elevation 3,300 meters. Plants small; berries globular, 7 mm. in diameter; tubers deep violet, to 3 cm. long.

255196 to 255217—Continued

255204 to 255214—Continued

255206. Col. No. 1778. Sierra de los Cuchumatanes, 45 km. from Huehuetenango, Huehuetenango. Elevation 3,300 meters. Plants to 25 cm. high; tubers deep violet.
255207. Col. No. 1813. Near Quezaltenango border, 35 km. north of Quezaltenango, Totonicapan. Elevation 3,100 meters.
255208. Col. No. 1824. Near Quezaltenango border, 35 km. north of Quezaltenango, Totonicapan. Elevation 3,150 meters.
255209. Col. No. 1827. Near Quezaltenango border, 35 km. north of Quezaltenango, Totonicapan. Elevation 3,200 meters. Plants to 30 cm. high; tubers 2 cm. long; fruits 1.3 cm. in diameter.
255210. Col. No. 1849. Near Quezaltenango border, 35 km. north of Quezaltenango, Totonicapan. Elevation 3,200 meters. Plants with long stolons; tubers 3 cm. long.
255211. Col. No. 1884. Cerro El Quiche, 1.6 km. east of Totonicapan, road to Los Encuentros, Totonicapan. Elevation 3,400 meters.
255212. Col. No. 1894. Cerro El Quiche, road to Los Encuentros, 20 km. from Totonicapan, Totonicapan. Elevation 3,400 meters.
255213. Col. No. 1895. Totonicapan-Los Encuentros road at Km. 143 from Guatemala City. Elevation 3,200 meters.
255214. Col. No. 1909. Above Santa Maria de Jesus, north-facing slope of Volcan de Agua, Sacatepequez. Elevation 2,900 meters.
- 255215 and 255216. *SOLANUM MORELLIFORME* Bitt. & Muench.
255215. Col. No. 1802. Forty-eight km. from Quezaltenango road to Huehuetenango, Totonicapan. Elevation 3,000 meters.
255216. Col. No. 1809. Lower slopes of Volcan Santa Maria, Baho, five km. southwest of Quezaltenango, Quezaltenango. Elevation 2,550 meters. Berries 6 mm. in diameters.
255217. *SOLANUM VERRUCOSUM* Schlecht.
- Col. No. 1780. Sierra de los Cuchumatanes, summit of Cerro Chermal, 45 km. from Huehuetenango, Huehuetenango. Elevation 3,500 meters.

255218 to 255229.

From Great Britain. Plants presented by the John Innes Horticultural Institution, Herts, England. Received Jan. 27, 1959.

255218. *FRAGARIA GRANDIFLORA* Ehrh. Rosaceae. **Strawberry.**
No. 45.
255219. *FRAGARIA MEXICANA* Schlecht.
No. 272.
255220. *FRAGARIA NILGERRENSIS* Schlecht. **Nilghiri strawberry.**
No. 250.
255221. *FRAGARIA NIPPONICA* Makino
No. 234.
255222. *FRAGARIA VESCA* L. **European strawberry.**
No. 275. Received as var. *monophylla*, a synonym.
255223. *FRAGARIA VESCA* var. *SEMPERFLORENS* (Duchesne) Seringe
No. 283. 'Fructo Alba'.
255224. *FRAGARIA VIRIDIS* Duchesne
No. 284.

255218 to 255229—Continued**255225.** *FRAGARIA* sp.

No. 285.

255226 to 255229. *FRAGARIA* (hybrids).**Strawberry.****255226.** No. 258. 'Early Queen'.**255227.** No. 287. 'Eszterhazai Export'.**255228.** No. 288. 'Eszterhazai Korai'.**255229.** No. 345. 'Huxley'.**255230 to 255240.**

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 8, 1959.

255230. *ANDROPOGON* sp. Poaceae.

Col. No. 17627. Arroyo ways six miles north of Matape, Sonora, Savanilla. Aromatic, thriving perennial to three feet high.

255231. *BOUTELOUA CURTIPENDULA* (Michx.) Torr. Poaceae.**Sideoats grama**

Col. No. 16702. Matape, Sonora. Culms tall.

255232. *BOUTELOUA HIRSUTA* Lag.**Hairy grama.**

Col. No. 17659. Cedros Range, Sonora. Elevation 3,500 feet. Perennial to 1.5 feet high.

255233 and 255234. *BOUTELOUA FILIFORMIS* (Fourn.) Griffiths**Slender grama.**

255233. Col. No. 17602. Near Matape, Sonora. Tufted perennial; culms to 1.5 feet high

255234. Col. No. 17626. Six miles north of Matape, Sonora, Savanilla. Fine-leaved perennial.

255235. *INDIGOFERA* sp. Fabaceae.

Col. No. 17658. Rocky slope, Cedros Range, Sonora. Bushy perennial.

255236. *PANICUM* sp. Poaceae.

Col. No. 17603. Matape, Sonora. Tufted perennial to one foot high.

255237. *CENCHRUS CILIARIS* L. Poaceae.**Buffelgrass.**

Col. No. 17625. Mountain pass eight miles northeast of Matape, Sonora. Elevation 3,000 feet.

255238. *RICINUS COMMUNIS* L. Euphorbiaceae.**Castorbean.**

Col. No. 59. 'Aiguerilla'. Spontaneous along arroyos, San Bernardo, Sonora.

255239. *SORGHUM BICOLOR* (L.) Moench Poaceae.

Col. No. 17663. 'Caxa'. San Bernardo, Sonora. Used like sugarcane.

255240. *VICIA* sp. Fabaceae.

Col. No. 17669. Volcanic rocks, Sierra de Yesora, Sonora. Elevation 5,000 feet. Small spreading bush.

255241 and 255242. *TRIFOLIUM ALEXANDRINUM* L. Fabaceae.**Berseem.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Jan. 28, 1959.

255241. C-10. Diploid.**255242.** T-578. Tetraploid.

255243 to 255252. PENNISETUM SPICATUM (L.) Willd. Poaceae. Pearl millet.

From India. Seeds presented by the Rockefeller Foundation, New Delhi. Received Jan. 28, 1959.

255243. I.C. 1472. Type 55 Furogur.

255244. I.C. 1725. United Provinces.

255245. I.C. 1732. Kanpur.

255246. I.C. 2387. Coimbatore.

255247. I.C. 2388. Coimbatore.

255248. I.C. 3484. (No locality.)

255249. I.C. 4592. Rajasthan.

255250. I.C. 4638. Rajasthan.

255251. 'Bajra'. Babapuri, Junagadh.

255252. Bombay State.

255253 to 255256.

From India and Nepal. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Jan. 28, 1959.

255253. FAGOPYRUM ESCULENTUM Moench. Polygonaceae. **Buckwheat.**
Formerly from Bhesa, India.

255254 to 255256. FAGOPYRUM TATARICUM (L.) Gaertn. **Kangra buckwheat.**

255254. I.C. 70. Darjeeling, India.

255255. I.C. 71. Darjeeling, India.

255256. I.C. 2052. Nepal.

255257 to 255267.

From the United States. Plants growing at the United States Plant Introduction Station, Maimi. Numbered Jan. 28, 1959.

Localities given are former sources of material.

255257. ALPINIA PURPURATA (Vieill.) K. Schum. Zingiberaceae.
Puerto Rico, Feb. 16, 1953.

255258. CACTUS HARLOWII Britton & Rose. Cactaceae.
Cuba, Mar. 11, 1955.

255259. COCCOTHRINAX FRAGRANS Burret. Phoenicaceae. **Palm.**
Palmetum, Coconut Grove, July 1, 1957.

255260. DERRIS DALBERGIOIDES Baker. Fabaceae.
Royal Botanical Garden, Peradeniya, Ceylon, Nov. 25, 1957.

255261. DIPADENIA AMOENA T. Moore. Apocynaceae.
Tropical South America, May 24, 1956. Climbing shrub; leaves opposite; flowers large, funnelform, pink, suffused with rose.

255262. EUPHORBIA LEUCOCEPHALA Lotsky. Euphorbiaceae. **Spurge.**
E. A. Menninger, Stuart, Florida, June 26, 1958.

255263. POSOQUERIA MULTIFLORA Lam. Rubiaceae.
Atkins Gardens, Cienfuegos, Cuba, May 30, 1958.

255264. PSEUDOBOMBAX ELLIPTICUM (H.B.K.) Dugand. Bombacaceae.
Atkins Garden, Cienfuegos, Cuba, May 30, 1958.

255257 to 255267—Continued

255265. *RUELLIA* sp. Acanthaceae.

Brazil, Dec. 1955.

255266. *SYAGRUS* sp. Phoenicaceae.

Palm.

Cali, Colombia, June 11, 1932. A handsome pinnate-leaved palm to 25 feet high, with strongly arching leaves, well adapted to southern Florida.

255267. *TABEBUIA CHRYSOTRICHIA* (Mart.) Standley Bignoniaceae.

Towle, Miami, Florida, Apr. 21, 1958.

255268 to 255299.

From Mexico unless otherwise noted. Collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md., and now growing at the United States Plant Introduction Station, Miami, Florida. Numbered Jan. 19, 1959.

255268. *AGAVE ANGUSTISSIMA* Engelm. Amaryllidaceae.

Col. No. 17640. Carros del Fuerte Sinaloa, 20 miles north of Mochis. Nov. 8, 1958. Plant with single rosettes.

255269 and 255270. *AGAVE CERULATE* Trel.

255269. Baja California.

255270. Baja California.

255271. *AGAVE COLORATA* Gentry

Col. No. 7237. Los Pucheros, Sierra Surotato, Sinaloa. Mar. 17, 1945.

255272. *AGAVE EXPANSA* Jacobi

Col. No. 11328. Highway 395, Fallbrook, Calif. Cespitose or freely suckering plants. Fall 1951.

255273. *AGAVE HUACHUCENSIS* Baker

Col. No. 16642. Sierra de Huachinera, Sonora. May 21, 1957. Elevation 7,500 feet. Plants compact, glaucous gray, broad, closely suckering, rather balled rosettes with stiff leaves.

255274. *AGAVE MITRAEFORMIS* Jacobi

Col. No. 15883. Limestone mesa, two miles northwest of Tehuacan, Puebla. Nov. 13, 1955. Plants broad-leaved.

255275. *AGAVE MURPHEYI* Gibson

Boyce Thompson Southwestern Arboretum, Superior, Ariz. Regarded as offsets or bulbils from the original type clone as described in the arboretum collection.

255276. *AGAVE NELSONII* Trel.

Col. No. 10373. San Fernando, Baja California. Apr. 10, 1951. Plants medium size, dusky gray; blades, thick; from two clones, high marginal tubercles.

255277. *AGAVE PRINGLEI* Engelm.

Col. No. 16723. San Matias Pass, Baja California. June 22, 1957. Elevation 3,300 feet. Plants cespitose, green rosettes to 9 feet high; laterals to 15 in upper part of shaft.

255278. *AGAVE SHAWII* Engelm.

Col. No. 12608. Steep seaside slope between Ensenada and Rosarito, Baja California. May 28, 1953.

255279. *AGAVE SISALANA* Perrine

Sisal.

Col. No. 12224. Ocozococutla, Chiapas. Sept. 27, 1952.

255268 to 255299—Continued

255280. AGAVE TOUMEYANA Trel.

Col. No. 11623. Fish Creek Canyon, Apache Trail, Ariz. Mar. 6, 1952. Plants of variable size and leaf form; freely suckering rosettes.

255281 and 255282. AGAVE VILMORINIANA Berger

255281. Col. No. 16611. Rio Yaqui, 26 miles northwest of Sahuaripa, Sonora. May 14, 1957. Elevation 1,000 feet. Plant solitary, medium-sized, mostly radial rosettes, a few recurved, varying from yellow-green to green and grayish-green.

255282. Col. No. 16623. Thirteen miles south of Bacamora, Sonora. May 16, 1957. Elevation 2,500 feet. Plants narrow-leaved; leaves sharply deflexed at flowering time; flowers bright yellow; spikes slenderer than in the typical form.

255283. AGAVE sp.

Col. No. 8013. Sierra Charuco, Sonora-Chihuahua boundary. Apr. 17 to 25, 1948. Elevation 5,000 feet. Plant small, filiferous, with paint brush leaves; flowers red, long tubular, during spring and summer.

255284. AGAVE sp.

Col. No. 8332. Zarca Mesa, Chihuahua. Oct. 5, 1958. Elevation 7,000 feet. Plant with compact rosettes; leaves stiff, grayish.

255285. AGAVE sp.

Col. No. 10249. Sierra Charuco, Chihuahua. Mar. 7, 1951. Elevation 5,200 feet. Plant with solitary filiferous rosettes.

255286. AGAVE sp.

Col. No. 15845. Lomas de Chapultepec, D. F. Oct. 28, 1955. Elevation 8,000 feet. Plant large, green, mostly single rosettes; leaves ascending to 3 feet long, 7 inches wide, regularly toothed; panicle narrow, two feet high with about 35 laterals.

255287. AGAVE sp.

Col. No. 16436. Sixteen miles northwest of Tehuantepec, Oaxaca. Mar. 22, 1957. Elevation 500 feet. Reported endemic to this limestone formation, to 3,000 feet elevation. Plant few-leaved, light-gray; rosettes open, with variable small teeth; spikes to 15 feet high, flowering from near the base, pale yellow.

255288. AGAVE sp.

Col. No. 16595. Mazatan, Sonora. May, 1957.

255289. AGAVE sp.

Col. No. 16600. Between Nacori Grande and Matape, Sonora. May 12, 1957. Plants suckering green rosettes; leaves strictly ascending but floppy, to two feet long; teeth distal.

255290. AGAVE sp.

Col. No. 16603. Ahuaje de Pescado, 8 miles east of Matape, Sonora. May 13, 1957. Elevation 2,800 feet. Plants long-leaved; rosettes green; leaves linear, recurved.

255291. AGAVE sp.

Col. No. 16609. Seven miles east of Matape, Sonora. May 13, 1957. Plants suckering, gray-green; leaves short, compact, strictly ascending, floppy.

255292. AGAVE sp.

Col. No. 16612. Rocky cliffs four miles west of Sahuaripa, Sonora. May 15, 1957. Elevation 1,800 feet. Plant rosette green.

255268 to 255299—Continued**255293. AGAVE sp.**

Col. No. 16624. Limestone 15 miles south of Bacanora, Sonora. May 16, 1957. Elevation 3,000 feet. Plant small, gray, suckering rosettes; panicles to nine feet high; five to eight laterals.

255294. AGAVE sp.

Col. No. 16626. Limestone crest of Sierra Murrieta, 15 miles west of Baconora, Sonora. May 17, 1957. Elevation 4,500 feet. Plants green rosettes; stems short at maturity.

255295. AGAVE sp.

Col. No. 16637. Mountain pass east of Guaesabas, Sonora. May, 1957. Elevation 4,000 feet. Plants medium-sized; rosettes green, developing a slight trunk; leaves straight, rather stiff, to one foot long; spike to nine feet long; flowers yellow.

255296. AGAVE sp.

Col. No. 16733. Chaparral mesa five miles south of Valle Trinidad, Baja California. June 2, 1957. Elevation 3,400 feet. Plants dwarf, cespitose.

255297. AGAVE sp.

(No number.) In garden cultivation, Southern California. Plant dwarf.

255298. AGAVE sp.

(No notes.)

255299. AGAVE sp.

(No notes.)

255300. RUBUS (hybrid). Rosaceae.**Raspberry.**

From Great Britain. Plants purchased from Hillier & Sons, Winchester, Hants, England. Received Jan. 29, 1959.

'Golden Everest'. A yellow-fruited cultivar.

255301 to 255305. LOTUS CORNICULATUS L. Fabaceae.**Birdsfoot trefoil.**

From France and Italy. Seeds presented by the University of Michigan, East Lansing, Mich. Received Jan. 29, 1959.

255301 to 255304. Received from the Institut National de la Recherche Agronomique, Versailles, France.

255301. G8431.

255302. G8432. 'Indre-Moulins'.

255303. G8433. 'Indre-Levroux'.

255304. G8434. 'Sartha'.

255305. G8435. Universita Degli Studi di Perugia, Perugia, Italy.

255306. TRITICUM TURGIDUM L. Poaceae.**Poulard wheat.**

From Italy. Seeds presented by the Institute of Vegetable and Cereal Culture, Bologna. Received Feb. 2, 1959.

255307. NANDINA DOMESTICA Thunb. Berberidaceae.

From the United States. Plant collected at the Missouri Botanical Garden, St. Louis, Missouri. Received Feb. 2, 1959.

A white-fruited cultivar that reportedly comes true from seeds.

255308 to 255311.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 2, 1959.

255308. *IPOMOEA* sp. Convolvulaceae.

Col. No. 17601. Nacori Chico, Sonora. Climbing vine.

255309. *PHASEOLUS VULGARIS* L. Fabaceae.

Common bean.

Col. No. 17611. Purchased at Bacanora, Sonora.

255310. *SCHIZOCARPUM PALMERI* Cogn. & Rose. Cucurbitaceae.

Col. No. 17654. Macusari Dam, Rio Mayo, Sonora. Vine with yellow flowers.

255311. *SOLANUM SEAFORTHIANUM* Andr. Solanaceae.

Col. No. 17647. Algodones, Sierra Charuco, Sonora. Scandent shrub with bright purple flowers.

255312. *IPOMOEA REPTANS* L. Convolvulaceae.

From Singapore. Seeds presented by the Botanic Gardens, Singapore. Received Feb. 3, 1959.

The aquatic sweetpotato of southern Asia. Usually eaten as boiled greens, although some produce white, sweet, thickened roots.

255313 to 255316. *FRAGARIA* (hybrids). Rosaceae. **Strawberry.**

From Denmark. Plants presented by the Danish State Research Station, Spangsbjerg, Esbjerg. Received Feb. 3, 1959.

255313. 'Hansa'.

255314. 'Oberschlesien'.

255315. 'Spangsbjerg Freja'.

255316. 'Spangsbjerg Rubin'.

255317 and 255318. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Cuba. Cuttings presented by the Estacion Experimental de la Cana de Azucar, Jovellanos, Matanzas. Received Feb. 3, 1959.

255317. C.540-47.

255318. C.676-47.

255319. *PRUNUS ARMENIACA* L. Amygdalaceae.

Apricot.

From Turkey. Seedlings growing at the United States Plant Introduction Station, Chico, Calif. Numbered Feb. 3, 1959.

J 3-4. Selection from P.I. 121466, originally received as seed.

255320 to 255324. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Feb. 4, 1959.

255320. Co. 625.

255321. Co. 775.

255322. S.E.S. 201.

255323. S.E.S. 315.

255324. S.E.S. 521.

255325. *HEDEOMA FLORIBUNDA* Standl. Menthaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Jan. 26, 1959.

Col. No. 17668. Sierra de Yecora, Sonora. Elevation 14,000 feet. Bushy herb used as "Oregano" for seasoning meat.

255326. AGAVE SCHOTTII Engelm. Amaryllidaceae.

From the United States. Plant collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 9, 1950. Numbered Feb. 5, 1959.

Col. No. 10020. South slope of Catalina Mountain, Mount Lemon Road, Arizona. Elevation 4,000 feet. Plant caespitose; leaves yellowish-green.

255327. OPHIOPOGON INTERMEDIUS D. Don Liliaceae.

From Great Britain. Plant presented by the Royal Botanic Garden, Edinburgh, Scotland. Received Feb. 6, 1959.

255328 to 255330. CAPSICUM FRUTESCENS L. Solanaceae.**Redpepper.**

From Korea. Seeds held at the Agricultural Experiment Station, Clemson, S.C. Numbered Feb. 6, 1959.

Formerly grown at the National Institute of Horticulture, Seoul.

255328. An early, vigorous cultivar, to 93 cm. high; foliage dark green; fruit weight to 7 grams, mild, to 75 per plant, uniform.

255329. A vigorous medium-season cultivar to 83 cm. high; foliage green; fruit weight to 6.5 grams, mild, to 90 per plant, uniform.

255330. A vigorous medium-season cultivar to 76 cm. high; foliage dark green; fruit weight to 6 grams, pungent, to 130 per plant, uniform.

255331 to 255339.

From Kenya. Seeds presented by the Grassland Research Station, Kitale. Received Feb. 6, 1959.

255331 to 255336. PANICUM COLORATUM L. Poaceae.

255331. K52233. A small type of good quality herbage.

255332. K52430. Kisii. A giant form to 6 feet high; probably a polyploid.

255333. K52490. Solai. A standard commercial type. A satisfactory ley grass.

255334. K53743. Kitui District. A creeping form with long runners, low growth.

255335. Annual to 3 feet high; panicles very large, loose. Grows on seasonally water-logged black heavy clays.

255336. Annual to 3 feet high; panicles very large, loose. Grows on seasonally water-logged black heavy clays.

255337. PANICUM MASSAINSE Mez.

Namanga, semi-desert area.

255338. PANICUM POAEOIDES Stapf

Nairobi. Grows in seasonal swamps.

255339. PANICUM TRICHOCLADUM Hack.

K53904. A trailing perennial valued by the Africans as a fodder or for grazing.

255340 to 255343. BRACHIARIA BRIZANTHA (Hochst.) Stapf Poaceae.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria, Transvaal. Received Feb. 6, 1959.

255340. DL/58/87. Uganda.

255341. DL/58/88. 'Rust der Winter'.

255342. DL/58/89. Rustenburg, Pretoria.

255343. DL/58/90. Belgian Congo.

255344. ILEX AQUIFOLIUM L. Aquifoliaceae. English holly.

From Yugoslavia. Seeds presented by the Faculty of Agriculture, Forestry and Veterinarian Medicine, Ljubljana. Received Feb. 6, 1959. Borovnica. Elevation 2,000 feet.

255345. CUCURBITA MOSCHATA Duchesne Cucurbitaceae.**Cushaw.**

From Iran. Seeds held at the United States Regional Plant Introduction Station, Geneva, N.Y. Received from Cheyenne, Wyo., in July, 1957.

G 6511 B. Separated from P.I. 141640, *Cucurbita maxima*. Plants vigorous, late maturity, medium prolific; fruit 16 inches long, 11 inches in diameter, smooth, orange, netted; flesh orange.

255346 to 255348.

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received Feb. 9, 1959.

255346. BRACHIARIA BRIZANTHA (Hochst.) Stapf Poaceae.

255347 and 255348. SORGHUM BICOLOR (L.) Moench Poaceae.

255347. 'Sanpyaung'.

255348. AS-475.

255349 to 255354.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Department of Agriculture, Pretoria, Transvaal. Received Feb. 9, 1959.

Localities given are former sources of material.

255349. ARISTIDA CILIATA Desf. Poaceae.

B/50/31. DL/59/86. 'Gellap Oet'. Pretoria.

255350 and 255351. CHLORIS GAYANA Kunth Poaceae. Rhodesgrass.

255350. R 61. U/57/221. DL/59/84. Katambora. Marandellas, Southern Rhodesia.

255351. R 64. U/57/215. DL/59/83. Nzoia. Nakuru, Kenya.

255352 and 255353. DIGITARIA SMUTSII Stent Poaceae.

255352. 19/51. DL/59/80. 'Irene'. Pretoria.

255353. 19/54. DL/59/81. 'Northam'. Pretoria.

255354. SETARIA SPHACELATA (Schum.) Stapf & Hubb. Poaceae.

DL/59/82. 'Kazungula'. Pretoria.

255355 to 255398.

From Yugoslavia. Seeds presented by the University Botany Garden, Ljubljana. Received Feb. 9, 1959.

255355. AGROPYRON LITTORALE Dum. Poaceae.

Primorsko, Istra.

255356. ANTHOXANTHUM ODORATUM L. Poaceae.

Ljubljana.

255357. ANTHYLLIS VULNERARIA L. Fabaceae.

Kidneyvetch.

Ljubljana.

255358. BROMUS COMMUTATUS Schrad. Poaceae.

Sezana.

255359. CORONILLA CAPPADOCICA Willd. Fabaceae.

255360. DIOSCOREA CAUCASICA Lip. Dioscoreaceae.

255355 to 255398—Continued

255361. *FESTUCA CAPILLATA* Lam. Poaceae. Hair fescue.
Primorsko.
255362. *FESTUCA GIGANTEA* (L.) Vill. Great fescue.
Ljubljana.
255363. *FESTUCA SPECTABILIS* Jan. Primorsko.
255364. *KOELERIA GRACILIS* Pers. Poaceae.
Ljubljana.
255365. *LATHYRUS ANNUUS* L. Fabaceae.
Istra.
255366. *LATHYRUS CANESCENS* Gren. & Godr.
255367. *LATHYRUS CLYMENUM* L.
255368. *LATHYRUS SATIVUS* L. Grass peavine.
Istra.
255369. *LATHYRUS TINGITANUS* L.
255370. *LATHYRUS VERSICOLOR* (Maly) Beck
Istra.
255371. *LATHYRUS* sp.
255372. *LATHYRUS INCONSPICUUS* L.
255373. *LINUM CATHARTICUM* L. Linaceae.
Ljubljana.
255374. *LOTUS ORNITHOPODIOIDES* L. Fabaceae.
Istra.
255375. *LUPINUS ALBUS* L. Fabaceae. White lupine.
255376. *LUPINUS ANGUSTIFOLIUS* L. Blue lupine.
255377. *LUPINUS HIRSUTUS* L. European blue lupine.
255378. *LUPINUS LUTEUS* L. European yellow lupine.
255379. *LUPINUS POLYPHYLLUS* Lindl. Washington lupine.
255380. *MEDICAGO FALCATA* L. Fabaceae. Yellow-flowered alfalfa.
Istra.
255381. *MEDICAGO LITTORALIS* Rhode ex Loisel.
Istra.
255382. *MEDICAGO MINIMA* (L.) Grufb. Little medic.
Istra.
255383. *MEDICAGO SCUTELLATA* (L.) Mill. Snail medic.
255384. *MEDICAGO TURBINATA* (L.) All.
255385. *MELILOTUS SULCATA* Desf. Fabaceae.
255386. *MOLINIA CAERULEA* (L.) Moench Poaceae.
Ljubljana.
- 255387 and 255388. *ONOBRYCHIS CAPUT-GALLI* (L.) Lam. Fabaceae.
255387. Istra.
255388. (No notes.)
255389. *ORNITHOPUS COMPRESSUS* L. Fabaceae.

255355 to 255398—Continued255390. *OXYTROPIS CAMPESTRIS* DC. Fabaceae.

Alpe.

255391. *PHLEUM MICHELII* All. Poaceae.

Alpe.

255392. *SESLERIA ARGENTEA* Savi Poaceae.

Istra.

255393. *TRIFOLIUM INCARNATUM* L. Fabaceae.**Crimson clover.**255394. *TRIFOLIUM MONTANUM* L.

Ljubljana.

255395. *TRIFOLIUM PRATENSE* L.**Red clover.**

Ljubljana.

255396. *TRIFOLIUM RUBENS* L.

Ljubljana.

255397 and 255398. *VICIA ANGUSTIFOLIA* var. *SEGETALIS* (Thuill.) Koch
Fabaceae.

255397. Primorsko.

255398. Primorsko.

255399 to 255428.From Yugoslavia. Seeds presented by the Experimental Farm Cesenik, near
Domzale. Received Feb. 9, 1959.

Collected in the territory of Slovenia.

255399 to 255409. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.**Tall oatgrass.**

255399. Strain Nr. 8.

255405. Strain Nr. 99.

255400. Strain Nr. 32.

255406. Strain Nr. 118.

255401. Strain Nr. 39.

255407. Strain Nr. 136.

255402. Strain Nr. 61.

255408. Strain Nr. 152.

255403. Strain Nr. 78.

255409. Strain Nr. 164.

255404. Strain Nr. 93.

255410 to 255415. *DACTYLIS GLOMERATA* L. Poaceae.**Orchardgrass.**

255410. Strain Nr. 16.

255413. Strain Nr. 26.

255411. Strain Nr. 22.

255414. Strain Nr. 31.

255412. Strain Nr. 24.

255415. Strain Nr. 41.

255416. *FESTUCA ARUNDINACEA* Schreb. Poaceae.

Strain Nr. 31.

255417 to 255420. *FESTUCA ELATIOR* L.**Meadow fescue.**

255417. Strain Nr. 40.

255419. Strain Nr. 78.

255418. Strain Nr. 50.

255420. Strain Nr. 109.

255421 to 255428. *FESTUCA RUBRA* L.

255421. Strain Nr. 8.

255425. Strain Nr. 70.

255422. Strain Nr. 12.

255426. Strain Nr. 84.

255423. Strain Nr. 24.

255427. Strain Nr. 99.

255424. Strain Nr. 30.

255428. Strain Nr. 104.

255429 and 255430.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 9, 1959.

255429. *ASTER TANACETIFOLIUS* H.B.K. Asteraceae.

Col. No. 17617. Ten miles southwest of Batuc, Sonora. Diffuse annual with light purple rays and yellow disks.

255430. *ZINNIA LINEARIS* Benth. Asteraceae.

Col. No. 17649. Algodones by Sierra Charuco, Sonora. Elevation 3,200 feet. Small depauperate perennial with bright orange-red rays.

255431 to 255438. PRUNUS DOMESTICA L. Amygdalaceae.**Common plum.**

From Great Britain. Scions presented by the National Fruit Trials, Faversham, Kent, England. Received Feb. 10, 1959.

255431. 'Angelina Burdett'. Fruit medium sized, round, reddish purple; flavor excellent. Raised in England about 1850.

255432. 'Brahys Green Gage'. Similar to the 'Old Green Gage', but ripens later.

255433. 'Cox's Emperor'. Fruit large to very large, dual purpose, crimson-red; flesh golden yellow. A good cropper but susceptible to bacterial canker. Raised in England about 1785.

255434. 'Golden Esperen'. Fruit medium sized, oval, golden-yellow with a slight red flush; flesh greenish-yellow; flavor very good. Originated in Belgium about 1840.

255435. 'Late Transparent Gage'. Fruit medium-sized, round, greenish-yellow, juicy; flavor sweet.

255436. 'Laxton's Delight'. Fruit larger, better flavored than 'Denniston's Superb'; heavy cropper. Raised in England in 1913.

255437. 'Laxton's Goldfinch'. Tree, strong-growing, pendulous habit; fruit size medium to large, round, golden-yellow, of fair dessert quality.

255438. 'Royale de Vilvoorde'; 'Jodoigne Green Gage'. A form of 'Old Green Gage', ripening late September.

255439. CYRTOSPERMA MERKUSII Schott. Araceae.

From the Philippines. Tubers presented by the University of the Philippines, Central Experiment Station, Laguna. Received Feb. 10, 1959.

255440 to 255457.

From Kenya. Seeds presented by the Grassland Research Station, Kitale. Received Feb. 11, 1959.

255440 to 255454. *CYNODON DACTYLON* (L.) Pers. Poaceae. **Bermudagrass.**
From Kitale unless otherwise indicated.

255440. K51397.

255441. K51405. Outstanding in herbage quality and production; seeding qualities satisfactory.

255442. K51406. Good quality and seed production but not productive.

255443. K51407. Good seeding and herbage quality; not productive.

255444. K51412. Medium in all qualities.

255445. K51415. Quality and production medium; good persistence.

255446. K51424. Good all-round type with very good seed production.

255447. K51426. Outstanding in vigor and herbage quality; seed production medium.

25440 to 25457—Continued**255440 to 255454—Continued**

255448. K51449. Vigorous and of good herbage quality; seeding qualities poor.

255449. K52447. From Kabete, Kenya. Vigorous and of good herbage quality.

255450. K53672. From Kiboko, low, dry, hot country. Fine type; stems numerous, fine, wiry; leaves very numerous, small.

255451 to 255454. From Uganda. Large robust type; stolons thick; leaves large.

255451. K54289.

255453. K54301.

255452. K54300.

255454. K54302.

255455 to 255457. *CYNODON PLECTOSTACHYUM* (Schum.) Pilg.

Giant stargrass.

255455. K52350. From the Magadi area.

255456. K56424. From Ngare-Nairobi, Tanganyika.

255457. K57146. From the Magadi area.

255458 and 255459.

From Great Britain. Plant purchased from R. C. Notcutt, Ltd., Suffolk, England. Received Feb. 11, 1959.

255458. *MALUS* (hybrid.) Malaceae.

Crabapple.

'Meach'. (*M. sieboldii* × *M. pumila* var. *niedzwetskyana*). This cross was made in 1920 at the Department of Agriculture, Ottawa, Canada. Flowers single, purplish-red; fruit yellow, to 2.5 cm. in diameter. It is inferior to 'Rosybloom' types.

255459. *SALIX* × *SMITHIANA* Willd. Salicaceae.

Willow.

(*Salix caprea* × *S. viminalis*).

255460 to 255462. *ALLIUM CEPA* L. Liliaceae.

Onion.

From the Union of Soviet Socialist Republics. Seeds presented by the Gribouskaya Vegetable Breeding Experiment Station, Moscow. Received Feb. 11, 1959.

255460. 'Altaiskii'.

255461. 'Arzamasski 942'.

255462. 'Miachkovski 300'.

255463 to 255465. *TRIFOLIUM PANNONICUM* Jacq. Fabaceae.

Clover.

From Great Britain. Seeds presented by the Chelsea Physic Garden, London, England. Received Feb. 11, 1959.

255463. No. 1.

255464. No. 2.

255465. No. 3.

255466 to 255477.

From Yugoslavia. Seeds presented by the Experimental Farm, Jable, Menges, Slovenia. Received Feb. 11, 1959.

255466. *ARRHENATHERUM ELATIUS* (L.) Presl Poaceae.

Fall oatgrass.

X-1. 13.

255467. *DACTYLIS GLOMERATA* L. Poaceae.

X-10. 4.

255466 to 255477—Continued

255468. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.

X-1. 7.

255469. *FESTUCA RUBRA* L.

X -8. 6.

255470. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.

X -12. 8.

255471. *LUPINUS ALBUS* L. Fabaceae. White lupine.

S-16 'Pflugs Ultra'. Formerly from Germany.

255472 and 255473. *LUPINUS ANGUSTIFOLIUS* L. Blue lupine.

255472. S-1. A selection from 'Blaue v. Sengbusch'.

255473. S-8. Local strain.

255474. *LUPINUS CRUCKSHANKSII* Hook.

S-22.

255475. *LUPINUS LUTEUS* L. European yellow lupine.

S-12.

255476 and 255477. *POA PALUSTRIS* L. Poaceae. Fowl meadowgrass.

255476. X -4. 3.

255477. X -6. 1.

255478 and 255479. *CUCUMIS MELO* L. Cucurbitaceae. Muskmelon.

From Korea. Seeds presented by D. W. Kim, Seoul. Received Feb. 12, 1959.

255478. 'Daejon Charmi'. An excellent variety; foliage disease resistant; fruits dark; skin smooth; flesh sweet, starchy, salmon-colored.

255479. 'Songwhan Charmi'. Foliage dark green resistant to diseases; fruits rough, skin pale, soft; flesh salmon-colored, sweet, excellent quality.

255480 and 255481.

From the United States. Seeds held in storage at the United States Plant Introduction Station, Geneva, N.Y. Numbered Feb. 12, 1959.

255480. *ALLIUM CEPA* L. Liliaceae. Onion.

G 8572B. A selection from P.I. 140347 from Iran. To 10 inches high; bulb 2 inches by 2 inches; yellow neck about 1½ inches long; keeping quality fair.

255481. *TRIFOLIUM PRATENSE* L. Fabaceae. Red clover.

G 2542B. A selection from P.I. 239980, presented by the Plant Production Branch, FAO, Rome, Italy. Medium type to 14 inches high, 26 inch spread; stems medium leafy; relatively early blooming; heads many, red; medium aftergrowth. Susceptible to powdery mildew, relatively free from mosaic. Formerly from Koutsoufiana, Greece.

255482 to 255488. *THEOBROMA CACAO* L. Sterculiaceae. Cacao.

From the British West Indies. Seeds presented by the Cocoa Board, Department of Agriculture, St. Clair, Port-of-Spain, Trinidad. Received Feb. 13, 1959.

255482. ICS-1 × SCA-6.

255486. SCA-6 × UF-654.

255483. SCA-6 × ICS-6.

255487. SCA-12 × ICS-1.

255484. SCA-6 × DS-3.

255488. SCA-12 × ICS-6.

255485. SCA-6 × ICS-39.

255489. SOLANUM ANDIGENUM Juz. & Buk. Solanaceae.

From Ecuador. Seeds presented by the Instituto Inter-Americano de Ciencias Agrícolas, San Jose, Costa Rica. Numbered Feb. 13, 1959.

IAIAS 3321. 'Chola'.

255490 to 255500.

From Bolivia. Seeds presented by the Estacion Experimental del Altiplano, La Paz. Numbered Feb. 13, 1959.

255490. SOLANUM AHANHUIRI Juz. & Buk. Solanaceae.

CEEA 17.

255491. SOLANUM sp.

CEEA 3. 'Damiata'.

255492. SOLANUM sp.

CEEA 11. 'Janko Lloko'.

255493. SOLANUM sp.

CEEA 12. 'Ajipa'.

255494. SOLANUM sp.

CEEA 19. 'Macha Choque'.

255495. SOLANUM sp.

CEEA 110. 'Chiar Imilla'.

255496. SOLANUM sp.

CEEA 135. 'Huaca Nuno'.

255497. SOLANUM sp.

CEEA 163. 'Arekero'.

255498. SOLANUM sp.

CEEA 172. 'Piticana'.

255499. SOLANUM sp.

CEEA 181. 'Auzanca Blanca'.

255500. SOLANUM sp.

CEEA 184. 'Puca Tapla'.

255501 to 255509.

From Argentina. Seeds presented by the Universidad Nacional de Cuyo, Mendoza. Numbered Feb. 13, 1959.

Collected November 10, 1957. From Argentina except where otherwise noted.

255501. SOLANUM ACAULE Bitter Solanaceae.

Brucher 802. Near Tilcara. Elevation 4,000 meters.

255502 to 255506. SOLANUM ANDIGENUM Juz. & Buk.

255502. Brucher 728. Vale Seclantas, Salta. Possible eelworm and drought resistance.

255503. Brucher 741. Vale Cachi, Salta. Possible cold resistance.

255504. Brucher 761. Huichaira, Jujuy.

255505. Brucher 790. Lago Titicaca, Bolivia. Elevation 4,000 meters.

255506. Brucher 795. Ventilla, Bolivia. Elevation 3,000 meters.

255507. SOLANUM sp.

Brucher 762.

255501 to 255509—Continued

255508. *SOLANUM* sp.

Brucher 806. Tupiza, Bolivia. Cultivated.

255509. *SOLANUM* sp.

Brucher 807. Aguadita, Jujuy.

255510 to 255513.

From Paraguay. Plants collected by W. C. Gregory, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 13, 1959.

255510. *ARISTOLOCHIA* sp. Aristolochiaceae.

Col. No. 9586. Km. 73, Route 2, Ascuncion to Hernandaria. From deep underground rootstocks.

255511. *ARISTOLOCHIA* sp.

Col. No. 9590. Km. 80, Route 2. From underground rootstock.

255512. *ARISTOLOCHIA* sp.

Col. No. 9619. 'Pallita'. Arroyo Esteros, south of Itobati. Climbing, woodland type.

255513. *ARISTOLOCHIA* sp.

Col. No. 9619a. Arroyo Esteros, south of Itobati.

255514 to 255548.

From Mexico. Seeds collected and presented by the Department of Agriculture Science Service, Ottawa, Ontario, Canada. Numbered Feb. 13, 1959.

Collected between July and November, 1957.

255514. *SOLANUM BRACHYCARPUM* Correll Solanaceae.

CSC 377. 1957. (No data.)

255515 to 255518. *SOLANUM BULBOCASTANUM* Dun.

255515. CSC 234. 20 km. east of Mount Punguato, Morelia, Michoacan.

255516. CSC 300b. Ciudad Guzman, Jalisco.

255517. CSC 302. Jacona, Michoacan.

255518. CSC 313. Ciudad Guzman, Jalisco.

255519 to 255521. *SOLANUM CARDIOPHYLLUM* Lindl.

255519. CSC 289 $\times$ 290. Interclonal cross from plants collected near Queretaro, Queretaro.

255520. CSC 371. San Luis Potosi, San Luis Potosi.

255521. CSC 373. 'Papa Guera'. South of San Luis Potosi, San Luis Potosi.

255522. *SOLANUM JAMESII* Torr.

CSC 278. Guadalajara, Jalisco.

255523. *SOLANUM MORELIFORME* Bitter & Muench.

CSC 322. Sierra Madre del Este, Oaxaca.

255524. *SOLANUM OXYCARPUM* Schiede

CSC 323. Sierra Madre del Este, Oaxaca.

255525. *SOLANUM PINNATISECTUM* Dun.

CSC 222. 22 km. south of Morelia, Michoacan.

255526. *SOLANUM POLYTRICHON* Rydb.

CSC 356. Highway 45, Frenillo to Sombrerete, Zacatecas.

255514 to 255548—Continued

255527 to 255530. *SOLANUM STENOPHYLLIDIUM* Bitt.

Interclonal crosses. Collected between Aguascalientes and Calvillo, Aguascalientes.

255527. CSC 346 $\times$ 348.

255528. CSC 347 $\times$ 345.

255529. CSC 347 $\times$ 348.

255530. CSC 348 $\times$ 345.

255531 to 255535. *SOLANUM STOLONIFERUM* Schlecht.

255531. CSC 300. Carapan-Uruapan Highway, Michoacan.

255532. CSC 334. Guanajuato-Delores Hidalgo road, Guanajuato.

255533. CSC 341. 16 km. north of Leon, Guanajuato.

255534. CSC 366. North of Lagos de Moreno, Jalisco.

255535. CSC 368. San Juan del Rio, Queretaro.

255536 to 255542. *SOLANUM TRIFIDUM* Correll

255536 to 255541. Interclonal crosses.

255536. CSC 244 $\times$ 243. Between Carapan and Uruapan, Michoacan.

255537. CSC 299 $\times$ 244. Between Carapan and Uruapan, Michoacan.

255538. CSC 308 $\times$ 301. Jalisco.

255539. CSC 308 $\times$ 305. Jalisco.

255540. CSC 309 $\times$ 311. Nevado de Colima, Jalisco.

255541. CSC 312 $\times$ 308. Nevado de Colima, Jalisco.

255542. CSC 460. Km. 48, Carapan-Uruapan highway, Michoacan.

255543 and 255544. *SOLANUM VERRUCOSUM* Schlecht.

255543. CSC 304. Km. 23, Manzanillo highway, Sinaloa.

255544. CSC 327. Mexico City-Puebla highway.

255545. *SOLANUM* sp.

CSC 250. Resembles *S. polytrichon*. San Juan del Rio, Queretaro.

255546. *SOLANUM* sp.

CSC 315. Highway 110, Guadalupe to Jiquilpan.

255547. *SOLANUM* sp.

CSC 358. Km. 972, Highway 40, Durango to El Salto, Durango.

255548. *SOLANUM* sp.

CSC 362. Near Las Adjuntas, Durango.

255549. *SOLANUM LYCOPERSICOIDES* Dunal

From Peru. Seeds collected by M. Rick, Palca, Department Tacua. Numbered Feb. 16, 1959.

Collected Jan. 1957. Elevation 3,000 meters.

255550 and 255551. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Hawaii. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu. Received Feb. 16, 1959.

255550. No. 9233.

255551. No. 9261.

255552 to 255556.

From Yugoslavia. Presented by the Institut de Recherches Agronomiques, Titograd. Received Feb. 16, 1959.

255552. *PRUNUS AMYGDALUS* Batsch Amygdalaceae. **Almond.**
'Cemovski'. Cuttings.

255553 to 255555. *VITIS* (hybrids). Vitaceae. **Grape.**
Cuttings.

255553. 'Kratosija No. K-I-1'.

255554. 'Kratosija No. VIII-14-5'.

255555. 'Razaklija No. VIII-1-12'.

255556. *PONCIRUS TRIFOLIATA* (L.) Raf. Rutaceae. **Hardy orange.**
Seeds.

255557 to 255573.

From Yugoslavia. Seeds presented by the Faculty of Agriculture, Forestry and Veterinarian Medicine, Ljubljana. Received Feb., 1959.

255557. *ALLIUM CEPA* L. Liliaceae. **Onion.**
'Ptujaska'.

255558 to 255562. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae. **Cabbage.**

255558. 'Futosko Zelje'. Coka, Serbia.

255559. 'Kaseljako'. Kosovo. Late ripening.

255560. 'Likorisko'. Bulgaria.

255561. 'Srpaki Melez'. Coka, Serbia.

255562. 'Varazdinsko'. Varazdin.

255563 and 255564. *CAPSICUM FRUTESCENS* L. Solanaceae. **Red pepper.**

255563. 'Aleksinacka'. Aleksinac, Serbia.

255564. 'Kalinkovia'. Bulgaria. Early, high-yielding.

255565 to 255567. *CICHORIUM INTYBUS* L. Cichoriaceae. **Chicory.**

255565. 'Goriski Radic'. Gorica.

255566. 'Radicchio di Treviso'. Treviso.

255567. 'Trzaski Solatnik'. Istra. Leaves green, round, harvested for early spring and summer salad.

255568 and 255569. *LACTUCA SATIVA* L. Cichoriaceae. **Lettuce.**

255568. 'Dalmatinska Ledenka'. Selection from New York lettuce. Suitable to arid regions.

255569. 'Ljubljanska Ledenka'. Synonyms: 'New York Lettuce' and 'Los Angeles Lettuce'.

255570 and 255571. *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**

255570. 'Cipro'. Slovenia, Selo.

255571. 'Jeruzalemcan'. Jerusalem. Stringless variety, pods yellow.

255572. *VALERIANELLA OLITORIA* (L.) Poll. Valerianaceae. **Corn salad.**
'Ljubljanski'. Ljubljana.

255573. *PHASEOLUS COCCINEUS* L. Fabaceae. **Scarlet runner bean.**

L-90. 'Beli Turski Fizol'. Open-pollinated.

255574. *GOSSYPIUM* (hybrid). Malvaceae. **Cotton.**

From France. Seeds presented by the l'Institut de Recherches du Cotton et des Textiles Exotiques, Paris. Received Feb. 17, 1959.

Collected at Nuki-Hiva, Marquesas Islands, January, 1959.

255575. Gossypium (hybrid). Malvaceae. Cotton.

From Cuba. Seeds presented by C. L. Leinweber, Oklahoma State University of Agriculture and Applied Science, Stillwater, Oklahoma. Received Feb. 17, 1959.

Southern tip of Guantanamo Bay.

255576 to 255579. Carthamus tinctorius L. Asteraceae. Safflower.

From Iran. Seeds presented by the United States Operations Mission, Teheran. Received Feb. 17, 1959.

255576. No. 1. Fariman.

255577. No. 2. Village about 2 km. north of Gonabad.

255578. No. 3. Village of Kharve in the Neyshapour area.

255579. No. 4. Neyshapour.

255580 and 255581.

From the United States. Seeds held at the Regional Plant Introduction Station, Geneva, N.Y. Numbered Feb. 17, 1959.

255580. *Allium porrum* L. Liliaceae. **Leek.**

G5897B. Component of P.I. 234595, *Allium cepa*, from Australia in 1957. Vigor poor; bulbs 0.7" by 0.6', tapered; keeping quality poor; free from thrip damage.

255581. *Brassica oleracea* var. *capitata* L. Brassicaceae. **Cabbage.**

G4468B. Component of P.I. 226504, *Brassica oleracea* var. *botrytis* from Iran in 1955. Plant of medium vigor, to 22 inches high and 31 inches wide; leaves large; head ovoid, 10 inches by 8 inches, medium solid; susceptible to downy mildew.

255582. Allium sp. Liliaceae.

From Egypt. Seeds presented by the Department of Agriculture, Cairo. Received Feb. 17, 1959.

255583 to 255585.

From Greece. Seeds presented by the Ministry of Agriculture, Athens. Received Feb. 18, 1959.

255583. *Pinus heldreichii* var. *leucoderma* (Ant.) Markgr. Pinaceae. Malakassion mountain, Pindos. Elevation 1,550 meters.

255584. *Pinus nigra* Arnold Austrian pine. Forest, Kerassovon, Konitza. Elevation 1,200 meters.

255585. *Pinus sylvestris* L. Scotch pine. Kataphygion Forest, Kozani District. Elevation 900 meters.

255586. Prunus armeniaca L. Amygdalaceae. Apricot.

From Israel. Scions presented by the Ministry of Agriculture, Hakirya. Received Feb. 18, 1959.

'Canino'. Spanish variety introduced into Israel by way of Morocco. Trees prolific, yielding to 100 kg. per tree; fruits large, ripening the end of May; ship well.

255587. Fragaria (hybrid). Rosaceae. Strawberry.

From Poland. Seeds presented by the Research Institute of Pomology, Szczawno Zdrof. Received Feb. 18, 1959.

'Rugia'.

255588 to 255590. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Ecuador. Seeds presented by H. Kjellander, Hacienda Clementina, Guayaquil. Received Feb. 19, 1959.

255588. SCA 6 × ICS I.

255589. SCA 6 × IMC 67.

255590. SCA 12 × S 62.

255591 and 255592. VITIS VINIFERA L. Vitaceae. European grape.

From France. Cuttings presented by the Ecole Nationale d'Agriculture, Montpellier. Received Feb. 24, 1959.

255591. 'Seyve-Villard 20.366' (4a4).

255592. 'Seyve-Villard 39.639' (3s9).

255593 to 255596.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 25, 1959.

255593. *BORONIA LATIPINNA* J. H. Willis Rutaceae.

Col. No. S-305. End of Sundial road, Grampians, Western Australia. Open shrub to 8 feet high; branches few; leaves pinnate, dark green; flowers white or pale pink, waxy, about one-half inch wide.

255594. *BORONIA INORNATA* Turcz.

Col. No. S-445. Chauncey Line, South Australia. Thin shrub to 4 feet high; flowers pink.

255595. *PHEBALIUM GLANDULOSUM* Hook. Rutaceae.

Col. No. S-306. A. E. Lindner's garden, Vectis South, Victoria, Western Australia. Diffuse shrub to 3 feet high; leaves bright green, tuberculate; flowers golden yellow, in small umbels.

255596. *PHEBALIUM PUNGENS* Benth.

Col. No. S-493. Near Coonalpyn. Shrub to 3 feet high; flowers white, resembling *Eriostemon*.

255597. PRUNUS PERSICA (L.) Batsch Amygdalaceae. Peach.

From the Union of South Africa. Scions presented by the Western Province Research Station, Stellenbosch. Received Mar. 11, 1959.

'Walgant'. An early peach. Fruit round with a very slight point; skin yellow, no bloom, but hairy; flesh yellow; stone medium-size. Resistant to delayed foliation and common diseases. Fruit has excellent canning qualities.

255598. PRUNUS AMYGDALUS Batsch Amygdalaceae. Almond.

From Iran. Scions presented by the Agriculture Department, Shiraz. Received Feb. 25, 1959.

Collected in the village of Joshnian, Bavanat District, 244 km. from Shiraz. Annual bearer as flowers are produced in 3 flashes allowing buds to escape late frosts. Quality and quantity is good.

255599 to 255604.

From Australia. Scions presented by H. E. Franklin, Posieros, Queensland. Received Feb. 25, 1959.

255599. *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

GDWF1. An open pollinated seedling of 'Golden Delicious', believed to have 'Williams Favorite'; as pollen parent. Tree vigorous, a lateral and spur bearer of large size; fruits firm, color deep red, similar in shape to 'Jonathan'; flavor good, keeping and handling quality excellent, ripens 3-4 weeks ahead of 'Jonathan'; resistant to drought, heat and powdery mildew.

255559 to 255604—Continued

- 255600.** *PYRUS COMMUNIS* L. Malaceae. **Pear.**
 'Sensation Red Bartlett'. Similar to 'Bartlett' in habits of growth, flavor and ripening season, but otherwise superior; skin deep red; flesh white, fine-grained.
- 255601 to 255604.** *PRUNUS PERSICA* (L.) Batsch Amygdalaceae. **Peach.**
- 255601.** BMQ1; 'Blackburn' × 'May Queen'. Tree vigorous; fruit round, highly colored, yellow ground almost entirely overlaid with crimson, to 3.5 inches in diameter; ripens 6.5 weeks ahead of 'Elberta'; flesh firm, yellow; stone semifree.
- 255602.** HNQ1; 'J. H. Hale' × 'May Queen'. Tree vigorous, fruit yellow, 50 percent red overlay, round, to three inches in diameter; flesh firm, yellow, well colored; stone semifree.
- 255603.** HHMQ1; 'Halehaven' × 'May Queen'. Tree vigorous, fruits highly colored, yellow overlaid with red, to 2.5 inches in diameter; flesh firm, yellow; stone semifree; 8-9 weeks before 'Elberta', 7-10 days before 'Mayflower'.
- 255604.** HHMQ2; 'Halehaven' × 'May Queen'. Tree vigorous; fruit round, deep red, to three inches in diameter; flesh firm, yellow; freestone; ripens 6.5 weeks before 'Elberta'.

255605 to 255620. *PYRUS COMMUNIS* L. Malaceae. **Pear.**
 From France. Scions presented by the Research Station for Horticulture, Angers.
 Received Feb. 26, 1959.

- | | |
|--|--|
| 255605. 'Amiral Gervais'. | 255613. 'Le Nain Vert'. |
| 255606. 'Belle Guerandise'. | 255614. 'Madame Boutant'. |
| 255607. 'Beurre Dubuissan'. | 255615. 'Mariette de Millepieds'. |
| 255608. 'Beurre Vauban'. | 255616. 'Napoleon'. |
| 255609. 'Bon Chretien d'Hiver'. | 255617. 'Rene Dunan'. |
| 255610. 'Doyonne Flor Aine'. | 255618. 'Saigneur Espeien'. |
| 255611. 'Favorite Morel'. | 255619. 'Saint Michel Archange'. |
| 255612. 'Hebe'. | 255620. 'Zephirin Gregoire'. |

255621. *ASPARAGUS SPRENGERI* Regel Convallariaceae. **Sprenger asparagus.**

From Puerto Rico. Seeds presented by the Federal Experiment Station, Mayaguez. Received Feb. 26, 1959.

Vigorous vine to 10 feet high with spiny stems.

255622 to 255636.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 26, 1959.

255622. *ARCHONTOPHOENIX ALEXANDRAE* (F. Muell.) Wendl. & Drude
 Phoenicaceae. **Palm.**

Col. No. S-560. Brisbane Botanical Garden, Brisbane, Queensland.

255623. *BORONIA LEDIFOLIA* J. Gay Rutaceae.

Col. No. S-645. G. W. Althofer, Dripstone, New South Wales. Shrub to three feet high; flowers showy, pink, not fragrant.

255624. *BORONIA MUELLERI* Cheel

Col. No. S-216. Donated by Nigel Quick, Toorak, Victoria. Shrub to eight feet high; flowers pink, star shaped.

255625. *BORONIA PILOSA* Labill.

Col. No. S-567. Brisbane Botanical Garden.

255622 to 255636—Continued

255626. *BORONIA* sp.

Col. No. S-531. Great Northern highway, 70 miles north of Perth, Western Australia. Shrub to 12 inches high; foliage succulent grayish-green; flowers pink.

255627. *CARPENTARIA ACUMINATA* Becc. *Phoenicaceae*. **Palm.**

Col. No. S-556. Brisbane Botanical Garden. Slender palm. Rare.

255628. *CORREA BAUERLENII* F. Muell. *Rutaceae*.

Col. No. S-460. Royal Botanic Gardens, Melbourne, Victoria. Spreading shrub to 8 feet high; leaves ovate, dark glossy green, glandular dotted; flowers greenish-white, pendulous, about 1.5 inches long.

255629. *CORREA SPECIOSA* Ait.

Col. No. S-413. Adelaide Botanical Garden, Adelaide, South Australia. Shrub to five feet high; leaves dark green, elliptic; flowers greenish-cream.

255630. *FLINDERSIA BRAYLEANA* F. Muell. *Rutaceae*.

Col. No. S-589. Brisbane Botanical Garden. Tall tree; flowers white, in large clusters.

255631. *FLINDERSIA XANTHOXYLA* Domin

Col. No. S-572. Brisbane Botanical Garden. Much-branched tree to 100 feet high; leaves pinnate; flowers in panicles.

255632. *GEIJERA MUELLERI* Benth. *Rutaceae*.

Col. No. S-559. Brisbane Botanical Garden. Tree to 20 feet high; flowers small, white.

255633. *GEIJERA PARVIFLORA* Lindl.

Col. No. S-347. 'Wilga'. Adelaide Botanical Garden. Tree to eight feet high; leaves aromatic when crushed; flowers small, white.

255634. *GELEZNOWIA CALYCINA* Benth. *Rutaceae*.

Col. No. S-646. G. W. Althofer, Dripstone, New South Wales. Shrub to three feet high; flowers yellow, showy.

255635. *LIVISTONA DECIPIENS* Beccari *Phoenicaceae*. **Palm.**

Col. No. S-624. Brisbane Botanical Garden.

255636. *LIVISTONA HUMILIS* R. Br. **Palm.**

Col. No. S-576. Brisbane Botanical Garden. Palm to eight feet high.

255637. *CARTHAMUS LANATUS* L. *Asteraceae*.

From Afghanistan. Collected by the Research and Education Program of the University of Wyoming, United States Operations Mission, Kabul. Received Feb. 26, 1959.

255638 to 255641.

From Afghanistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Feb. 27, 1959.

255638. *CLEOME* sp. *Capparidaceae*.

Col. No. K-1793. Kabul River between Glaulbahar and Nadjerah.

255639. *CENTAUREA* sp. *Asteraceae*.

Col. No. K-1797. Twenty miles southeast of Glaulbahar. Plant to 18 inches high.

255640. *BIXA ORELLANA* L. *Bixaceae*. **Anatto-tree.**

Col. No. K-1803. Collected in Honduras.

255638 to 255641—Continued

255641. (Undetermined.)

Col. No. K-1796. Twenty-six miles west of Ghazni. Plant to 18 inches high.

255642 to 255658.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 2, 1959.

Presented by the Sydney Botanic Gardens, Sydney, New South Wales.

255642. *ACACIA COLLETTIOIDES* A. Cunn. Mimosaceae.

Col. No. S-693.

255643. *EUCALYPTUS CODONOCARPA* Blakely & McKie Myrtaceae.

Col. No. S-684.

255644. *EUCALYPTUS DIVES* Schauer

Col. No. S-682.

255645. *EUCALYPTUS EXIMIA* Schauer

Col. No. S-685.

255646. *EUCALYPTUS LAEVOPINEA* R. T. Baker

Col. No. S-683.

255647. *EUCALYPTUS LONGIFOLIA* Link

Woollybutt.

Col. No. S-679.

255648. *EUCALYPTUS SCOPARIA* Maiden

Col. No. S-681.

255649. *EUCALYPTUS SMITHII* R. T. Baker

Col. No. S-680.

255650. *EUCALYPTUS VIRIDIS* R. T. Baker

Col. No. S-678.

255651. *MYOPORUM DESERTII* Cunn. Myoporaceae.

Col. No. S-687.

255652. *PARROTIA PERSICA* (DC.) Meyer Hamamelidaceae.

Col. No. S-686.

255653. *PERSOONIA ACEROSA* Sieber Proteaceae.

Col. No. S-688.

255654. *PERSOONIA ANGULATA* R. Br.

Col. No. S-690.

255655. *PERSOONIA CALEYI* R. Br.

Col. No. S-689.

255656. *PERSOONIA LINEARIS* Andr.

Col. No. S-692.

255657. *PERSOONIA PINIFOLIA* R. Br.

Col. No. S-691.

255658. *PHALERIA CHERMSIDEANA* C. T. White Thymelaeaceae.

Col. No. S-694.

255659. COFFEA ARABICA L. Rubiaceae. Arabian coffee.

From Ethiopia. Seeds presented by the Coffee Development Project, Addis Ababa. Received Mar. 3, 1959.

'BE-14-Loulo'. Collected at 1,800 meters elevation near Yrga Ciaffie. Leaf leathery; midrib prominent both ventrally and dorsally; axillary glands dominant; fruit waxy in appearance after drying; epidermis especially tough. Unlike other 'Sidamo' coffees.

255660 to 255665.

From Afghanistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 2, 1959.

255660 and 255661. CAPSICUM FRUTESCENS L. Solanaceae. Redpepper.

255660. Col. No. K-1799. Herat bazaar. Fruit to three inches long; bright red.

255661. Col. No. K-1801. Herat.

255662. CITRULLUS LANATUS (Thunb.) Mansf. Cucurbitaceae. Watermelon.

Col. No. K-1800. Herat Province. Fruits to 24 inches long, cylindrical; flesh whitish to pinkish, sweet; rind medium-thick.

255663. CUCUMIS MELO var. FLEXUOSUS (L.) Naud. Cucurbitaceae.

Col. No. K-1802. Collected in Iran.

255664. ERUCA SATIVA Mill. Brassicaceae.**Rocket-salad.**

Col. No. K-1791. 'Turbak'. Charikar bazaar.

255665. LACTUCA sp. Cichoriaceae.

Col. No. K-1785. Twenty km. north of Kabul. Plants to six feet high

255666 to 255722.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 2, 1959.

From Victoria unless otherwise noted.

255666. ACACIA CALAMIFOLIA Sweet Mimosaceae.

Col. No. S-301. A. E. Lindner's garden, Vectis South. Dense symmetrical shrub to four feet high; phyllodes light green, to four inches long; flowers bright yellow.

255667. ACACIA JONESII Muell. & Maid.

Col. No. S-430. Miss Alison Ashby's garden, South Australia. Shrub to four feet high; flowers golden-yellow.

255668. ACACIA SOPHORAE var. SOPHORAE (Labill.) R. Br.

Col. No. 230. State Forest Nursery, Wail. Tree to 15 feet high; branches sometimes pendulous; foliage yellow-green, dense; flowers bright yellow; good ground cover, especially on coastal sand dunes; withstands wind-pruning.

255669. ACACIA MYRTIFOLIA (Sm.) Willd.

Col. No. S-456. B. Schubert's garden, Noble Park. Spreading shrub to three feet high and four feet across; phyllodes yellow-green, ovate, about one inch long; flowers pale yellow.

255670. ACACIA NOTABILIS F. Muell.

Col. No. S-231. State Forest Nursery, Wail. Spreading shrub to six feet high; phyllodes yellow-green, to six inches long; flowers large, golden yellow. For limestone or sandy regions with annual rainfall of 15 to 25 inches.

255666 to 255722—Continued

255671. *ACACIA PYCNANTHA* Benth.

Golden wattle.

Col. No. S-309. 'Golden Wattle'. A. E. Lindner's garden, Vectis South. Spreading tree to 15 feet high; branches somewhat pendulous; foliage yellow-green; phyllodes to eight inches long, about 0.5 inch wide; flowers deep yellow large.

255672. *ACACIA RUPICOLA* F. Muell.

Col. No. S-239. Mount Arapiles. Spreading shrub to six feet high, appearing as though varnished; flowers bright yellow; inflorescence globular.

255673. *ACACIA STRICTA* (Andr.) Willd.

Col. No. S-246. One-half mile south from Montrose, Dandenong Ranges. Shrub to six feet high; phyllodes linear-lanceolate, usually dark green; with a varnished appearance; flowers pale yellow.

255674. *ACACIA* sp.

Col. No. S-428. F. C. Payne's garden, Athelstone, South Australia. Spreading shrub to three feet high.

255675. *AGONIS MARGINATA* Schau. Myrtaceae.

Col. No. S-477. Miss Alison Ashby's garden, Blackwood, South Australia. Tall shrub; young branches with soft silky hairs; flowers white in terminal or axillary clusters.

255676. *BRACHYCOME MULTIFIDA* DC. Asteraceae.

Col. No. S-297. Western slopes, near summit of Dandenong Ranges. Sub-shrub to 12 inches high; leaves very finely divided; flowers pale blue, sometimes white; flower heads about 0.75 inches wide.

255677. *BRUNONIA AUSTRALIS* J. E. Smith Goodeniaceae.

Col. No. S-452. One-half mile south of Montrose, Dandenong Ranges. Small herbaceous plant; leaves in a rosette, soft rather woolly, to three inches long and one inch wide; flowers cobalt-blue in compact spherical heads.

255678. *CALLISTEMON CITRINUS* (Curtis) Skeels Myrtaceae.

Lemon bottlebrush.

Col. No. S-473. Miss Alison Ashby's garden, Blackwood, South Australia. Shrub to eight feet high; flowers red.

255679. *CALLISTEMON LINEARIS* DC.

Col. No. S-471. Miss Alison Ashby's garden, Blackwood. Shrub to eight feet high; stamens dark or light red, sometimes greenish.

255680. *CALLISTEMON PACHYPHYLLUS* Cheel

Col. No. S-500. Miss Alison Ashby's garden, Blackwood, South Australia. Shrub to 10 feet high; flowers showy, large, red.

255681. *CALLISTEMON PHOENICEUS* Lindl.

Col. No. S-446. Miss Alison Ashby's garden, South Australia. Shrub to 10 feet high; flowers brilliant red.

255682. *CALLISTEMON PINIFOLIUS* (Wendl.) DC.

Col. No. S-243. A. E. Lindner's garden, Vectis South. Decumbent shrub to seven feet high; leaves almost terete, to five inches long; flowers yellow-green; spikes to three inches long.

255683. *CALLISTEMON SALIGNUS* (J. E. Sm.) Sweet

Col. No. S-427. Collected by Adelaide Botanic Garden, Adelaide, South Australia.

255684. *CALLISTEMON TERETIFOLIUS* F. Muell.

Col. No. S-472. Spreading shrub to six feet high; leaves terete; flowers red.

255666 to 255722—Continued

255685. *CALOTHAMNUS GILESII* F. Muell. Myrtaceae.

Col. No. S-466. A. E. Lindner's garden, Vectis South. Erect shrub to five feet high and three feet across; leaves terete, to five inches long; flowers red.

255686. *CASSIA BICAPSULARIS* L. Caesalpiniaceae.

Col. No. S-227. State Forest Nursery, Wail. Glabrous shrub to ten feet high; flowers few in axillary racemes, bright yellow.

255687 and 255688. *CASUARINA STRICTA* Ait. Casuarinaceae.

255687. Col. No. S-221. State Forest Nursery, Wail. Tree to 30 feet high; branches pendulous; leaves minute; cones to 2.5 inches long.

255688. Col. No. S-435. 'Sheoak'. Round-headed tree to 20 feet high, branches drooping. Donated by Adelaide Botanic Gardens, Adelaide, South Australia.

255689. *CLEMATIS MICROPHYLLA* DC. Ranunculaceae.

Col. No. S-495. Roadside near Coonalpyn, South Australia.

255690. *DAVIESIA BREVIFOLIA* Lindl. Fabaceae.

Col. No. S-467. Serra Road, eastern slopes of Serra Range, Grampians. Diffuse shrub to four feet high, almost leafless; flowers deep blood-red.

255691. *ENCHYLAENA TOMENTOSA* R. Br. Chenopodiaceae.

Col. No. S-483. Coonalpyn, South Australia. Very low-spreading plant; foliage gray; fruits red or yellow.

255692 and 255693. *EPACRIS IMPRESSA* Labill. Epacridaceae.

255692. Col. No. S-307. Near southern end of Mount Arapiles. Robust diffuse shrub to three feet high; leaves crowded, to one inch long; flowers pink to red, large.

255693. Col. No. S-463. Straggly shrub to five feet high; flowers reddish pink.

255694. *EREMAEA BEAUFORTIODES* Benth. Myrtaceae.

Col. No. S-448. F. C. Payne's garden, Athelstone, South Australia. Shrub to five feet high; flowers in showy heads, bright orange.

255695. *EREMAEA EBRACTEATA* F. Muell.

Col. No. S-242. A. E. Lindner's garden, Vectis South. Shrub to four feet high; leaves small, rigid; flowers mauve to purple, in clusters.

255696. *EUCALYPTUS ANGULOSA* Schauer Myrtaceae.

Col. No. S-478. Collected near Coonalpyn, South Australia. Stems whitish; foliage dark green, coarse; flowers white.

255697. *EUCALYPTUS BAXTERI* (Benth.) Maid. & Blakely

Col. No. S-485. Near Coonalpyn, South Australia. Tree to 15 feet high; bark stringy; flowers white.

255698. *EUCALYPTUS REGNANS* F. Muell.

Col. No. S-245. Southern slopes of Dandenong Ranges, near Sassafras. Tree to 300 feet high and to 12 feet in diameter; bole to 150 feet, clear and straight; bark peeling in long narrow strips, light brown to gray; leaves glossy green, lanceolate to ovate; flowers white or creamy-white. Best hardwood tree in Australia; grows to six feet in a year.

255699. *GREVILLEA ASPLENIFOLIA* R. Br. Proteaceae.

Col. No. S-286. B. Schubert's Nursery, Noble Park. Spreading shrub or tree to 15 feet high; leaves linear-lanceolate, to 10 inches long; flowers pink to red, in simple one-sided racemes.

255666 to 255722—Continued**255700.** *GREVILLEA ILICIFOLIA* R. Br.

Col. No. S-450. Chauncey Line, South Australia. Shrub to six feet high; foliage hollylike; flowers red.

255701. *GREVILLEA OLEOIDES* var. *DIMORPHA* (F. Muell.) Benth.

Col. No. S-241. Southern end of Grampians. Open shrub to eight feet high; leaves to four inches long; flowers bright red.

255702. *GREVILLEA PRITZELII* Diels

Col. No. S-302. A. E. Lindner's garden, Vectis South. Shrubby plant to six feet high; leaves to three inches long, linear, mostly simple; flowers white, black, and green; perianth white; style black; stigma green.

255703. *HAKEA GIBBOSA* (Smith) Cav. Proteaceae.

Col. No. S-469. Miss Alison Ashby's garden, Blackwood, South Australia. Shrub to 12 feet high; leaves sharply pointed; flowers white or cream-colored.

255704. *HAKEA NODOSA* R. Br.

Col. No. S-479. F. C. Payne's garden, Athelstone, South Australia. Shrub to six feet high; leaves terete; flowers minute, yellow, in axillary clusters.

255705. *HELICHRYSUM BRACTEATUM* (Vent.) Willd. Asteraceae.

Col. No. S-429. Julia Range, South Australia. Annual or biennial to four feet high; flowers golden-yellow.

255706 and 255707. *INDIGOFERA AUSTRALIS* Willd. Fabaceae.

255706. Col. No. S-233. Mount Arapiles. Spreading, diffuse shrub to six feet high; leaves pinnate; leaflets to one inch long; flowers mauve-blue, delicate.

255707. Col. No. S-455. Mount Dandenong, near summit. Spreading diffuse shrub to six feet high; leaves pinnate; leaflets to one inch long; flowers mauve-blue, delicate.

255708 and 255709. *LASIOPETALUM DASYPHYLLUM* Sieb. Sterculiaceae.

255708. Col. No. S-299. A. E. Lindner's garden, Vectis South. Shrub to 15 feet high; young branches and lower surface of leaves rusty tomentose; flowers in dense cymose clusters.

255709. Col. No. S-499. F. C. Payne's garden, Athelstone, South Australia. Shrub to four feet high; leaves rusty, tomentose; flowers greenish.

255710. *LEPTOSPERMUM PUBESCENS* Lam. Myrtaceae.

Col. No. S-228. State Forest Nursery, Wail. Shrub or tree to 10 feet high; flowers white, large.

255711. *MELALEUCA DEANEI* F. Muell. Myrtaceae.

Col. No. S-434. Collected by Adelaide Botanic Garden, Adelaide, South Australia. Shrub to eight feet high; flowers in cylindrical spikes to two inches long.

255712. *MELALEUCA ERICIFOLIA* Sm.

Col. No. S-218. State Forest Nursery, Wail. Erect shrub to six feet high; flowers small, white.

255713. *MELALEUCA FULGENS* R. Br.

Col. No. S-426. Shrub to seven feet high; flowers red, gold-tipped.

255714. *MELALEUCA HUEGELII* Endl.

Col. No. S-454. A. E. Lindner's garden, Vectis South. Erect shrub to six feet high; branches spreading; leaves sessile, ovate to ovate-lanceolate, less than 0.25 inch long; flowers in dense spikes to three inches long, white.

255666 to 255722—Continued**255715 and 255716. MELALEUCA MICROMERA Schauer**

255715. Col. No. S-287. A. E. Lindner's garden, Vectis South. Spreading shrub to eight feet high; branches many, short; leaves minute; flowers in dense clusters.

255716. Col. No. S-288. A. E. Lindner's garden, Vectis South. Spreading shrub to eight feet high; branches short, many; leaves minute; flowers in dense clusters.

255717. MELALEUCA STEEDMANII C. A. Gardn.

Col. No. S-475. F. C. Payne's garden, Athelstone, South Australia. Shrub to five feet high; flowers brilliant red.

255718. MELALEUCA WILSONII F. Muell.

Col. No. S-220. State Forest Nursery, Wail. Spreading shrub to five feet high; foliage and branches dense; flowers mauve or purple.

255719. MELALEUCA sp.

Col. No. S-476. Miss Alison Ashby's garden, Blackwood. Small shrub; flowers pink.

255720. OLEARIA ARGOPHYLLA (Labill.) F. Muell. Asteraceae.

Col. No. S-296. Monbulk State Forest, 25 miles east of Melbourne. Spreading tree to 20 feet high; leaves ovate, downy on lower surface; flower heads clustered, white.

255721. STYPHELIA sp. Epacridaceae.

Col. No. S-451. One mile west of Halls Gap, Grampians. Compact spreading shrub to four feet high; upright branches; leaves dense, somewhat pressed against the stems; flowers golden-yellow.

255722. VIOLA HEDERACEA Labill. Violaceae.**Violet.**

Col. No. S-468. Near summit of Mount Dandenong. Plant to three inches high; flowers white and dark blue.

255723 to 255726. CITRUS (hybrids). Rutaceae.

From Puerto Rico. Scions presented by the Agriculture Extension Service, University of Puerto Rico, Rio Piedras. Received Mar. 2, 1959.

(*C. sinensis* × *C. paradisi*). Apparently a natural cross which was developed from a nucellar embryo because there is very little, if any, difference between the parent and the seedlings. Fruits are borne singly, on ends of branches and compare in size with grapefruit, shape globose to pyriform; rind much like a grapefruit in aroma and color. The inner white pulp is not bitter; segments nine to eleven, adhere only slightly to the rind. The mild-flavored sweet juice is neither acid nor bitter but combines the flavor of the orange and grapefruit.

255723. 'Chironja M-1'.**255725.** 'Chironja M-3'.**255724.** 'Chironja M-2'.**255726.** 'Chironja T-1'.**255727 and 255728. SACCHARUM (hybrids). Poaceae. Sugarcane.**

From Venezuela. Cuttings presented by the Centro de Investigaciones Agro-nomicas, Caracas. Received Mar. 3, 1959.

255727. 'Carmeleta 19-2-59'.**255728.** 'Salangore 19-2-59'.**255729 to 255733. FRAGARIA VESCA L. Rosaceae.****European Strawberry.**

From Sweden. Plants presented by Bertil Hylmo, Bjuv. Received Mar. 3, 1959.

255729. F-12; 'Finn'. Fruit large; Swedish freezing variety.

255729 to 255733—Continued

255730 to 255733. Bred in Germany. Fruit firm, suited for freezing.

255730. F-24.; 'Senga 54'.

255731. F-32.; 'Senga 145'.

255732. F-33.; 'Senga 146'.

255733. F-38.; 'Senga Sengana'. Extremely good cropper.

255734. *GLYCINE MAX* (L.) Merr. Fabaceae.

Soybean.

From India. Seeds presented by the agricultural attache, United States Embassy, New Delhi. Received Mar. 3, 1959.

'Punjab. No. 1'. Kulu Valley, a temperate climate valley in northwest Punjab, Himalayan foothills. Used as human food; said to have no bitter taste or pungent smell.

255735 to 255744.

From Turkey. Seeds presented by the Turkish Sugar Corporation, Ankara. Received Mar. 4, 1959.

255735 and 255736. *PANICUM MILIACEUM* L. Poaceae.

Proso millet.

255735. Capkis.

255736. Yoldasan, Icme.

255737. *SETARIA ITALICA* (L.) Beauv. Poaceae.

Foxtail millet.

Vartak, Icme.

255738. *SORGHUM HALEPENSE* (L.) Pers. Poaceae.

Johnsongrass.

Vezirhan. A sweet type.

255739. *SORGHUM SUDANENSE* (Piper) Stapf Poaceae.

Sudangrass.

Acmanuk.

255740 to 255743. *SORGHUM BICOLOR* (L.) Moench

255740. Pelitozii. A sweet type.

255741. Daricayiri village.

255742. Icme, Derearyan.

255743. Par. Large white grain type.

255744. *SORGHUM BICOLOR* var. *SUBGLOBOSUM* (Hack.) Snowden

Taslik village.

255745 and 255746.

From Australia. Seeds presented by the Division of Plant Industry, Canberra. Received Mar. 4, 1959.

255745. *GLYCINE CLANDESTINA* Wendl. Fabaceae.

Mt. Corea, A.C.T.

255746. *PSORALEA ERIANTHA* Benth. Fabaceae.

Charlesville, Queensland.

255747 to 255750.

From Northern Rhodesia. Seeds presented by W. C. Verboom, Department of Agriculture, Kasama. Received Mar. 4, 1959.

255747. *GLYCINE JAVANICA* L. Fabaceae.

255748. *GLYCINE SCHLIEBENII* Harms

255749. *LISTIA HETEROPHYLLA* E. Mey. Fabaceae.

255750. *VIGNA CAERULEA* Baker Fabaceae.

255751 to 255754.

From Chile. Seeds collected by W. Q. Loegering, Cereal Crops Research Branch, Plant Industry Station, Beltsville, Md. Received Mar. 5, 1959.

255751 to 255753. *HORDEUM CHILENSE* Roem. & Schult. Poaceae.

255751. B.334. Road to Tavellones, 29 km. from Santiago.

255752. B.355. Pan American Highway, 198 km. north of Santiago.

255753. B.361. Los Vilos, towards Illapel.

255754. *HORDEUM CHILENSE* Roem. & Schult.

B.372. Eight km. west of Peleguen.

255755 to 255816.

From Nigeria. Seeds presented by the Ministry of Agriculture and Natural Resources, Moor Plantation, Ibadan. Received Mar. 5, 1959.

255755. *VIGNA CYLINDRICA* (L.) Skeels Fabaceae.

Catjang-pea.

255756 to 255816. *VIGNA SINENSIS* (Torner) Savi

Common cowpea

255756. 'Bechuana White' 252-1.	255787. No. V40.
255757. 'Kuziama'.	255788. No. V42.
255758. 'Obuasi'. 259-1.	255789. No. V43.
255759. 'Dr. Saunders Upright'.	255790. No. V45.
255760. 'Ushiki C'.	255791. No. V46.
255761. No. V1-302-1.	255792. No. V48.
255762. No. V2-303-1.	255793. No. V51.
255763. No. V4.	255794. No. V52.
255764. No. V5.	255795. No. V53.
255765. No. V6.	255796. No. V61.
255766. No. V7.	255797. No. V63.
255767. No. V10.	255798. No. V64.
255768. No. V12.	255799. No. V65.
255769. No. V13.	255800. No. V66.
255770. No. V14.	255801. No. V67.
255771. No. V16.	255802. No. V68.
255772. No. V18.	255803. No. V69.
255773. No. V19.	255804. No. V71.
255774. No. V21.	255805. No. V72.
255775. No. V23.	255806. No. V73.
255776. No. V24.	255807. No. V74.
255777. No. V26.	255808. No. V84.
255778. No. V27.	255809. No. V85.
255779. No. V28-2.	255810. No. V86.
255780. No. V29.	255811. No. V87.
255781. No. V30.	255812. No. V90.
255782. No. V32.	255813. No. V93.
255783. No. V34.	255814. No. V94.
255784. No. V36.	255815. No. V95.
255785. No. V37.	255816. No. V28-1.
255786. No. V38.	

255817 to 255819.

From Ghana. Material collected by E. P. Imle, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 5, 1959.

255817. *VANILLA* sp. Orchidaceae.

Col. No. 108. Near Tafo.

255818. (Undetermined).

Col. No. 109. Near Tafo. Wild shrubby vine; fruits tricarpellate, red, indehiscent; seeds black, partly covered by white arils, three per capsule.

255819. *RAPHIA* sp. Phoenicaceae.

Palm.

Col. No. 110. Near Tafo. Tall palm, called raffia.

255820 to 255827.

From Afghanistan. Seeds collected by P. F. Knowles, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 6, 1959.

255820. *BROMUS LANCEOLATUS* Roth. Poaceae.

Col. No. K1795. Kabul River, between Culbahar and Nadjerah. Plants to 12 inches high.

255821. *CARTHAMUS LANATUS* L. Asteraceae.

Col. No. K1786. One-half mile northeast of Charikar.

255822 and 255823. *CARTHAMUS OXYACANTHA* Bieb.

255822. Col. No. K1792. Ghulbahar Textile Mill. Heads to 0.5 inch in diameter.

255823. Col. No. K1798. Salih Tagaw, north of Sarobi.

255824. *HORDEUM VULGARE* L. Poaceae.

Common barley.

Col. No. K1787. Charikar bazaar.

255825. *PHASEOLUS AUREUS* Roxb. Fabaceae.

Mung bean.

Col. No. K1790. Charikar bazaar.

255826 and 255827. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

255826. Col. No. K1788. Charikar bazaar.

255827. Col. No. K1789. Charikar bazaar.

255828. *FICUS* sp. Moraceae.

From South West Africa. Seeds presented by C. V. Porter, Windhoek. Received Apr. 29, 1959.

Elevation 5,500 feet. Plants survive heavy frosts.

255829 to 255868.

From Italy. Seeds presented by the Istituto di Genetica Vegetale, Piacenza. Received Mar. 9, 1959.

255829 to 255840. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

255829. 58-4. 'Barese o a Pruno'.

255835. 58-88. 'Pirro'.

255830. 58-49. 'Lampadina'.

255836. 58-92. 'Prezioso'.

255831. 58-78. 'Panerazio'.

255837. 58-93. 'Prospero 21'.

255832. 58-79. 'Paullo'.

255838. 58-94. 'Prospero 39'.

255833. 58-86. 'Pigmeo'.

255839. 58-117. 'San Marzano'.

255834. 58-87. 'Pilastro'.

255840. 58-142. 'Vestivio'.

255829 to 255868—Continued

255841 to 255845. *LYCOPERSICON* (hybrids).

255841. 57-505. 'Rutger's' × 'Lampadina'.

255842. 57-506. 'Lampadina' × N.D.A.C. 38.

255843. 57-510. Line 3700-3 × 'Ponderosa'.

255844. 57-534. 'Lampadina' × N.D.A.C. 38.

255845. 57-535. 'Campione' × 'Lampadina'.

255846. *LYCOPERSICON ESCULENTUM* f. *PYRIFORME* (Dun.) C. H. Mull.

57-546-34. N.D.A.C. 38 × 'Lampadina'.

255847 to 255850. *LYCOPERSICON* (hybrids).

255847. 57-547-19. N.D.A.C. 38 × 'Lampadina'.

255848. 57-548-21. N.D.A.C. 38 × 'Lampadina'.

255849. 57-549-25. N.D.A.C. 38 × 'Lampadina'.

255850. 57-550-1. Line 3700-3 × 'Lampadina'.

255851. *LYCOPERSICON ESCULENTUM* f. *PYRIFORME* (Dun.) C. H. Mull.

57-551-16. Line 3700-3 × 'Lampadina'.

255852 to 255868. *LYCOPERSICON* (hybrids).

255852. 57-553-29. Line 276 × 'Paullo'.

255853. 57-557-13. Line 275 × 'Lampadina'.

255854. 57-558-6. Line 275 × 'Lampadina'.

255855. 57-564-14. Line 3700-3 × 'Lampadina'.

255856. 57-565-10. Line 3700-3 × 'Lampadina'.

255857. 57-566-8. Line 3700-3 × 'Lampadina'.

255858. 57-567-7. Line 3700-3 × 'Ponderosa'.

255859. 57-582-8. *Lycopersicon pimpinellifolium* × 'Ponderosa'.

255860. 57-583-13. *Lycopersicon pimpinellifolium* × 'Ponderosa'.

255861. 57-584-2. 'San Marzano' × (15 × 21) No. 2.

255862. 57-585-15. 'Blood Orange' × 'Cuor di Bue'.

255863. 57-586-3. 'Blood Orange' × 'Cuor di Bue'.

255864. 57-598-3. 'Palla d'Oro' × 'Cuor di Bue'.

255865. 57-599-5. 'Ponderosa' × 'Cuor di Bue'.

255866. 57-600-12. 'San Marzano' × 'Cuor di Bue'.

255867. 57-606-9. 'Tangerine' × 'Cuor di Bue'.

255868. 57-552-15. Line 276 × 'Paullo'.

255869 to 255896.

From Poland. Seeds presented by the Polish Academy of Sciences, Institute of Plant Breeding, Poznan. Received Mar. 10, 1959.

255869. *AGROSTIS ALBA* L. Poaceae.

Redtop.

S.W.H.N. Poznan.

255870 and 255871. *BROMUS INERMIS* Leyss. Poaceae.

Smooth brome.

255870. 'Antoninska'. Poznan.

255871. 'Brudzynska'. Poznan.

255869 to 255896—Continued

- 255872 and 255873. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
 255872. 'Grebalsowska'. Krakow.
 255873. 'Motycka'. Lublin.
- 255874 and 255875. *FESTUCA ARUNDINACEA* Schreb. Poaceae. Tall fescue.
 255874. 'Grebalsowska'. Krakow.
 255875. 'Pulawska'. Lublin.
- 255876 to 255878. *FESTUCA ELATIOR* L. Meadow fescue.
 255876. 'Grebalsowska'. Krakow.
 255877. 'Motycka'. Lublin.
 255878. 'Nakielska'. Bydgoszcz.
- 255879 and 255880. *FESTUCA RUBRA* L. Red fescue.
 255879. 'Grebalsowska'. Krakow.
 255880. 'Nakielska'. Bydgoszcz.
- 255881 and 255882. *LOLIUM MULTIFLORUM* Lam. Poaceae. Italian ryegrass.
 255881. S.W.H.N. Poznan.
 255882. 'Motycki'. Lublin.
- 255883 to 255886. *MEDICAGO SATIVA* var. *VARIA* (Mart.) Urban Fabaceae. Alfalfa.
 255883. 'Kleszczewska'. Poznan.
 255884. 'Polanowicka'. Bydgoszcz.
 255885. 'Pulawska'. Lublin.
 255886. 'Wielkopolska'. Poznan.
255887. *PHALARIS ARUNDINACEA* L. Poaceae. Reed canarygrass.
 'Motycka'. Lublin.
- 255888 and 255889. *PHLEUM PRATENSE* L. Poaceae. Timothy.
 255888. 'Grebalsowska'. Krakow.
 255889. S.W.H.N. Poznan.
255890. *POA PRATENSIS* L. Poaceae. Kentucky bluegrass.
 'Pulawska'. Lublin.
255891. *TRIFOLIUM HYBRIDUM* L. Fabaceae. Alsike clover.
 'Zorza'. Bydgoszcz.
255892. *TRIFOLIUM INCARNATUM* L. Crimson clover.
 'Opolska'. Opole.
- 255893 to 255896. *TRIFOLIUM PRATENSE* L. Red clover.
 255893. 'Bialy Kwiat'. Lublin.
 255894. 'Hruszowska Ciemna'. Lublin.
 255895. 'Hruszowska Jasna'. Lublin.
 255896. 'Pulawska'. Lublin.
255897. *SOLANUM TUBEROSUM* L. Solanaceae. Potato.
 From Belgium. Tubers presented by the Agriculture Research Station, Libramont. Received Mar. 11, 1959.
 'Electre'.

255898 to 255901. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From Japan. Cuttings presented by the Aomori Apple Experiment Station, Kuroishi-City, Aomori-Prefecture. Received Mar. 11, 1959.

255898. 'Tohoku 2'. ('McIntosh' × 'Worcester'). Compares with 'American Summer Pearmain'; fruit color resembles 'McIntosh', weight 180 grams, quality excellent, keeps relatively well; ripens early September; storage period to three weeks.

255899. 'Tohoku 3'. ('Jonathan' × 'Worcester'). Compares with 'McIntosh'; fruit attractive, solid red, sweet; weight 180 grams; superior to 'McIntosh'; ripens to late September; storage period to three weeks.

255900. 'Tohoku 4'. ('Jonathan' × 'Worcester'). Compares with 'McIntosh' and 'Fameuse'; fruit color and shape resembles 'Jonathan', sweet, weight to 180 grams; harvest time mid to late September; storage period to four weeks.

255901. 'Tohoku 7'. ('Ralls' × 'Delicious'). Compares with 'Ralls'; fruit color resembles 'Delicious', 'Ralls' shape, texture firm, very juicy, excellent quality, weight to 250 grams; harvest time mid-November; storage until late April.

255902 to 255908. PISTACIA CHINENSIS Bunge Anacardiaceae.**Chinese pistache.**

From the United States. Plants growing at the United States Plant Introduction Station, Chico, Calif. Numbered Apr. 7, 1959. Collected in China in 1908.

255902. C-27532. Good habit medium large male tree; branches acute, strong; assumes autumnal foliage in midseason, red to scarlet red with variations of yellow or orange, resists rain and wind, color remains until they drop; anther clusters are brick red. This selection may be subject to delayed dormancy and would probably do better in cooler climates.

255903. C-27533. Small, globose female tree with wide-angled branching; foliage color variable according to weather, coloring matures in mid-season. Fruits abundantly.

255904. C-27568. Medium large, globose, male tree; foliage coloring in mid-season, bright and attractive. Holds leaves well.

255905. C-27538. Medium size, vase shaped male tree with open center and flat top; bark very rough and coarse, colored with reds and yellows, giving a mottled effect; foliage color matures in midseason to later. One of the better selections for color. Holds leaves only moderately well.

255906. C-27545. Medium size, good form, male tree; foliage colors blend to give a mottled effect; leaves drop easily in wind.

255907. C-27573. Medium small, oblate male tree; branches dense, acute; foliage color varies from bright orange-red to orange-yellows, colors mid-season to moderately late. Holds leaves well.

255908. C-27539. Medium size globose male tree with dense top; one of the earliest tree to color; mature leaves drop readily.

255909. BERBERIS THUNBERGII DC. Berberidaceae.**Japanese barberry.**

From Great Britain. Plants purchased from R. Kaye Ltd., Silverdale, Carnforth, Lancashire, England. Received Mar. 12, 1959.

'Atropurpurea Superba'.

255910 and 255911. VITIS VINIFERA L. Vitaceae.**European grape.**

From Italy. Scions presented by Vito Di Pierro, Noicattaro, Bari. Received Mar. 12, 1959.

255910. 'Almeria'.

255911. 'Regina'.

255912 to 255919. LINUM USITATISSIMUM L. Linaceae.**Common flax.**

From Czechoslovakia. Seeds presented by the Research Institute for Fiber Plants, Sumpark. Received Mar. 12, 1959.

255912. 'Bernburger Oel Faserlein'. From East Germany. Oil-spin flax; fiber production average; seed production good.

255913. 'Dachnelt'. Ex-Netherlands. Oil seed flax; seed production good; fiber coarse.

255914. 'Flachskopf'. From East Germany. Oil-spin flax; fiber production average; seed production good.

255915. 'Horal'. Early, fine spin flax; fiber production good; seed production low.

255916. 'Modran'. Fine spin flax; fiber and seed production good, but fiber content low.

255917. 'Rekord'. Coarse spin flax; fiber and seed production average.

255918. 'Textilak'. Fine spin flax; fiber production good; seed production low.

255919. 'Zdar'. Oil-spin flax; fiber coarse, production average; seed production good.

255920 to 255924.

From Brazil. Plants collected by W. C. Gregory, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 12, 1959.

255920. *ARISTOLOCHIA* sp. Aristolochiaceae.

Col. No. 9746. Bata Guacu, Mato Grosso.

255921. *ARISTOLOCHIA* sp.

Col. No. 9777. Twenty km. west of Bata Guacu, road to Campo Grande, Mato Grosso.

255922. *ARISTOLOCHIA* sp.

Col. No. 9796. Ten km. east of Bata Guacu-Campo Grande and Campo Grande-Rio Brillante road intersection, Mato Grosso. Low tuberous-rooted perennial.

255923. *ARISTOLOCHIA* sp.

(No field number). Three km. from Bata Guacu on Xavatina road, Mato Grosso.

255924. *ARISTOLOCHIA* sp.

(No field number). Between Fazenda Pozo Alto and Xavatina on Bata Guacu road, Mato Grosso. Climbing woody vine.

255925. THEOBROMA CACAO L. Sterculiaceae.**Cacao.**

From Costa Rica. Seedlings presented by the Instituto Inter-Americano de Ciencias Agricolas, San Jose. Numbered Mar. 12, 1959.

255926. HIBISCUS MUTABILIS L. Malvaceae. Cotton rosemallow.

From Panama. Seeds collected by E. Griffith, Fort Clayton, Canal Zone. Numbered Mar. 12, 1959.

Flowers open pure white in the morning changing to a deep red by evening.

255927 and 255928.

From India. Seeds presented by R. D. Asana, Division of Botany, Indian Agricultural Research Institute, New Delhi. Received Mar. 12, 1959.

255927. *BRACHIARIA RAMOSA* (L.) Stapf Poaceae.

255927 and 255928—Continued

255928. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae. Guar.

'Pusa Sadabhar'. Short duration crop, attaining maturity in about three months.

255929 to 255932. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Guatemala. Tubers collected by J. G. Hawkes, Department of Botany University of Birmingham, Birmingham, England. Received Mar. 13, 1959.

255929. No. 1788. From Huehuetenango.

255930 to 255932. From San Marcos.

255930. No. 1858.

255931. No. 1860.

255932. No. 1861.

255933 to 255938. CUCUMIS SATIVUS L. Cucurbitaceae. Cucumber.

From the Netherlands. Seeds presented by the Instituut voor de Versdelling Van Tuinbouwgewassen, Wageningen. Received Mar. 16, 1959. All are capable of producing parthenocarpic fruit.

255933. 55112. T2. ('Highmoor' × 'Lange Groene Broei', forcing type with long green fruits) × 'Lange Groene Broei'. (Selfed 5 times.) Plants with long internodes, leaves large; fruits long, conical base; skin a good green color. Good yielder.

255934. 55117. 'Esvier'. ('Highmoor' × 'Lange Groene Broei', forcing type with long green fruits) × 'Lange Groene Broei'. (Selfed 5 times.) Plants with long internodes; leaves large, fruit medium to long, bottleneck base, somewhat spined; skin a good green. Good yielder.

255935. 58087. 'Amato'. ('Donkere Spiers', forcing type, dark green color fruits × 'Highmoor') × 'Donkere'. (Selfed 3 times.) Plants with long internodes; leaves large; fruit rather long, bottleneck base; skin susceptible to forming pale stripes in low temperature. Good yielder.

255936. 58088. 'Nidin'. (Sp 5, scab resistant × Spot resistant) × Spot resistant. (Selfed 3 times.) Plant with short internodes; leaves medium to small; fruit rather long, round top, conical or short bottleneck base; skin of a good green color, surface covered with fine spines. Good yielder.

255937. 58089. 'Hybrid KC 291'. One plant susceptible and one plant resistant to scab. Testing results variable.

255938. 58090. 'Hybrid KD 574'. One plant susceptible and one plant resistant to scab. Testing results variable.

255939 and 255940.

From Japan. Seeds presented by the Faculty of Agriculture, Kyoto University, Kyoto. Received Mar. 16, 1959.

255939. *MISCANTHUS INTERMEDIUS* Honda Poaceae.

Collected in Yamagata Prefecture, north Japan. Plant to two meters high; flowering August to October. (Hexaploid, $2n=114$.)

255940. *MISCANTHUS TINCTORIUS* Hack.

Collected in Gifu Prefecture, central Japan. Plants to 1.8 meters high; flowering August to October. (Diploid, $2n=38$.)

255941. CUCURBITA (hybrid). Cucurbitaceae.

From the United States. A selection from *Cucurbita moschata* × *maxima*, P.I. 162889, from Paraguay. Numbered Mar. 16, 1959.

Plant vigorous; leaves dark-green; season 115 days; fruit bulbous, 11.5 inches by 5 inches, green striped, black netted; neck 4 inches by 3 inches; flesh color excellent; seeds oval, pointed, flat, about 0.6 inch long, light tan, glossy, not ridged around margin.

255942 to 255945.

From Australia. Scions presented by the New South Wales Department of Agriculture, Sydney. Received Mar. 17, 1959.

255942 to 255944. Bred by the New South Wales Department of Agriculture and named in 1955.

255942. *PRUNUS* sp. Amygdalaceae.

'Ransom'. An open-pollinated 'St. Margaret' seedling. Resembles 'St. Margaret' but is several days earlier and a heavy cropper. Fruit large, red-black, more resistant to splitting than 'St. Margaret'.

255943. *PRUNUS* sp.

'Regina'. A seedling of 'St. Margaret' $\times$ 'Black Eagle'. Season similar to 'Rival'. Resistant to splitting. Fruit large, round, heart-shaped, dark red, of sweet flavor, prolific; stalk short; stone medium-sized.

255944. *PRUNUS* sp.

'Rival'. An open-pollinated seedling of 'St. Margaret'. Fruit large, redblack, broadly heart-shaped; stalk short; flesh firm, vinous flavor; stone moderately large. Fruit is 'Early Lyons' type, only slightly susceptible to splitting and ripens with the midpick of this variety.

255945. *PRUNUS* sp.

'Rons'. Originated about 1928, New South Wales Department of Agriculture, Young. Seedling of 'Eagles Seedling' $\times$ unknown. Ripens 7 to 10 days before 'St. Margaret'. Fruit large, round, heart-shaped, dark red, in heavy clusters; flavor excellent; stalks short.

255946 to 255960.

From the United States. Seeds held at the United States Regional Plant Introduction Station, Geneva, New York. Numbered Mar. 18, 1959.

255946 and 255947. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

255946. G6837. 'Pillnitzer-Zucker'. (Var. *inodorus* $\times$ *cantalupensis*.)

From Pillnitzer Experiment Station, East Germany. Plants vigorous; vines long; fruit set heavy, medium early; fruit globe 6.5 by 6.5 inches, orange, ribbed, smooth, no netting; flesh deep orange, excellent quality. Free of mosaic.

255947. G7818. 'Hochgenuss'. (var. *cantalupensis* $\times$ *reticulatus*.)

From Germany. Plants vigorous, vine medium long; fruit set good; fruits four by six inches, globose, deeply grooved, no netting, orange, raised dark green areas especially along grooves, excellent quality; seed cavity large.

255948. *CUCUMIS MELO* var. *CANTALUPENSIS* Naud.

G6838. 'Delicious of Pillnitz'. From Pillnitz Experiment Station, East Germany. Plant vigor poor; vine short; set fair, medium early; fruit six by six inches, globose, orange, rough, raised dark green patches. Susceptible to mosaic.

255949. *CUCUMIS MELO* var. *INODORUS* Naud.

G6671. 'Orange Rind'. From Greece. Plants vigorous; vine long; late-maturing; fruit long oval, nine by five inches, orange, grooved at stem end, no netting; excellent quality; flesh cream; seed cavity orange.

255950 to 255953. *CUCUMIS MELO* var. *RETICULATUS* Naud.

255950. G6670. 'Yellow Skin'. From Greece. Plant vigorous, late-maturity; set medium heavy; fruit five by five inches, globose, yellow, slightly ribbed and medium-netted, good quality.

255951. G7355. 'Wynne'. From Haiti. Plants vigorous, late-maturing; vine long; set poor; fruit blunt, oblong, nine by six inches, grooved, slightly netted. Tolerant of mosaic and powdery mildew.

255946 to 255960—Continued**255950 to 255953—Continued**

255952. G7409. 'Maine Monoecious Oblong'. Breeding line from University of Maine, Orono. Plants very early, vigorous, homozygous for monoecious flowers; fruit oval to oblong, 6.5 by 5 inches, orange, ribbed, well netted; flesh orange; flavor good. Fruits crack at stem end on ripening.

255953. G7410. 'Maine Monoecious Globe'. Breeding line from University of Maine, Orono. Valuable crossover breaking linkage between monoecious flowers and elongate fruit. Plant vigorous, very early; homozygous for monoecious flowers; vine long; fruit globose, 6 by 5 inches, orange, ribbed, well-netted.

255954. CUCURBITA MOSCHATA Duchesne Cucurbitaceae. **Cushaw.**

G5321. 'Hyuga No. 14'. Commercial variety from Japan. Plant late maturing, runner, moschata leaf pattern; fruit flat globose, 4.5 by 6.75 inches, very dark green, rough, to 20 deep forked grooves, light green warts. Free of mosaic.

255955. LYCOPERSICON ESCULENTUM Mill. Solanaceae. **Tomato.**

G5317. 'Piovano'. From breeding tests at the University of Mendoza, Argentina. Plant indeterminate, medium vigor, late maturity, to three fruits per cluster; fruit 2 by 3 inches, flat globose, to 7 locules, red; flesh sweet.

255956 and 255957. PHASEOLUS COCCINEUS L. Fabaceae.

Scarlet runner bean.

255956. G6753. 'Mayan White Runner'. From Guatemala. Plant vigorous, climber; flowers white, large; pods five by 0.6 inches, green, round; seeds large, white, round.

255957. G6754. 'Carters Prize Winner'. From England. Plant very vigorous, climber; flowers scarlet; pods 7.1 by 0.8 inches, green, flat; seeds large, light purple.

255958 to 255960. PHASEOLUS VULGARIS L.

Common bean.

255958. G2213. 'Scarlet Beauty Dwarf'. From Cornwall, England. Bush-half runner, vigorous; flowers white; pod 6 by 0.5 inches, green, round; seed medium-size, red to dark brown, kidney shape.

255959. G2214. 'Topnotch Dwarf French Wax'. From Cornwall, England. Bush, poor vigor, flowers white; pods 3 by 0.6 inches, wax, flat; seed medium-size, plump, oval, white with brown eye.

255960. G5327. 'Fratelli Ingegnoli'. From Italy. Plant vigorous, climber; flowers purple; pods 8 by 0.7 inches, green, striped-purple, round; seed large, kidney-shaped, grey, striped-black.

255961. LOTUS TETRAGONOLOBUS L. Fabaceae.

From Great Britain. Seeds presented by Kathleen Hunter and Wheal Frances, Callestick, Cornwall, England. Received Mar. 18, 1959.

G2212. Annual, prostrate, only fair vigor, to eight inches high, spread 29 inches, hirsute; leaflets elliptic, to one inch long; flowers one or two, purplish-red; pod to three inches long, 4-angled, 4-winged; seeds globose-oblong, smooth, brown, 2 mm. in diameter.

255962. MEDICAGO SATIVA L. Fabaceae.

Alfalfa.

From Canada. Seeds presented by the Forage Crops Laboratory, Saskatoon, Saskatchewan. Received Mar. 18, 1959.

G5379. 'Rambler'. Strong creeping root characteristic; compares favorably with well-known alfalfa varieties in yield, winter hardiness and drought resistance. Plant medium vigor, to 28 inches high and 72 inches wide, very leafy, variable in habit and leaf characteristics, poor aftergrowth, spreading underground from root proliferations. Tolerant of black stem.

255963. SORGHUM BICOLOR (L.) Moench Poaceae.

From Ethiopia. Seeds presented by the Pioneer Hi-Bred Corn Co., Plainview, Tex. Received Mar. 18, 1959.

'Watch'. A cultivated type from Jimma, common in central Africa. Plant and glume red; seeds white; heads moderately open, approximately 10 by 6 inches; late maturity; tall grain type.

255964 and 255965.

From Hong Kong. Plants presented by the Forestry Division, Department of Agriculture, Fisheries and Forestry, Kowloon. Received Mar. 18, 1959.

255964. CAMELIA GRANTHAMIANA Sealy Theaceae.

255965. CINNAMOMUM CASSIA Blume Lauraceae.

255966 and 255967.

From Brazil. Plants collected by W. C. Gregory, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 19, 1959.

255966. ARISTOLOCHIA sp. Aristolochiaceae.

Col. No. 9686. Twenty km. from Capitan-Bado on the Capitan-Bado-Amambay road, Mato Grosso. Climbing woody perennial.

255967. ARISTOLOCHIA sp.

Col. No. 9732. On the Rio Amambay-Ponta Pova road, Mato Grosso. Climbing woody perennial.

255968. SOLANUM TUBEROSUM L. Solanaceae.**Potato.**

From Germany. Tubers presented by the Max Planck Institute of Plant Breeding Cologne (Vogelsang). Received Mar. 19, 1959.

No. 55,957/2.

255969 to 255972.

From Tasmania. Seeds presented by the Tasmanian Regional Laboratory, Commonwealth Scientific and Industrial Research Organization, Hobart. Received Mar. 20, 1959.

255969. BILLARDIERA LONGIFLORA Labill. Pittosporaceae.

255970. GAULTHERIA HISPIDA R. Br. Ericaceae.

255971. LEPTOSPERMUM PUBESCENS Lam. Myrtaceae.

255972. LEPTOSPERMUM SCOPARIUM Forst.

255973. HUMULUS LUPULUS L. Moraceae.**Common hop.**

From Yugoslavia. Cuttings presented by the Institute za Hmeljarstvo, Zalec. Received Mar. 20, 1959.

'Savinia-Golding'.

255974 to 255986. ZEA MAYS L. Poaceae.**Corn.**

From the United States. Seeds held at the United States Plant Introduction Station, Geneva, New York. Numbered Mar. 20, 1959.

255974. G6758. 'Extra Early Russian Flint'. Presented by the Department of Horticulture, University of Massachusetts, Amherst, Mass. Plants low, very early, free of smut, few suckers; ears 10.5 by 3.8 cm., slender; seeds small, yellow.

255975. G6759. 'West Brookfield White Sweet'. Grown near West Brookfield, Mass. Plants early maturing, much suckered, free of smut, susceptible to rust; ears long, slender, 13.0 by 3.5 cm.; seeds flattened and much wrinkled, serrate edges, exceptionally tender pericarp, white.

255974 to 255986—Continued

255976. G7357. 'Golden Bantam'. Presented by H. McKinney, Geneva, N.Y. Plants medium height, later than average, open pollinated, much suckered; stalks purple; ear 13.0 by 3.5 cm.; seeds yellow, sweet. Susceptible to smut and aphids.

255977. G7358. 'Golden Bantam'. Presented by J. D. Shipton and G. Shipton, Pittsfield, Mass. Open-pollinated plants, medium height, later than average; stalks much suckered, relatively free of smut; seeds yellow, sweet.

255978. G7370. 'Rhode Island White-cap Flint'. Presented by the Rhode Island Agricultural Experiment Station, Kingston, R.I. Plant to 2 meters high, early, high yield; ears 20 to 25 cm. long; kernels in 8 rows, short, thick; high oil content. Used for flour to make Rhode Island Johnny cakes, also for feed grain and silage.

255979. G7390. 'Parker Flint'. Presented by the Massachusetts Agricultural Experiment Station, Amherst, Mass. Plant 1.5 meters high, variable, early; stalks purple; most ears 8-rowed; seeds glossy, dull brown, flat, some flints, some bluish, some dent.

255980. G7401. Selfed and bulked for three generations at the Maine Agricultural Experiment Station, Orono, Maine. Selfed selection from P.I. 213776, which was a 'Northwestern Dent' from Mandan, N. D. Plants of medium height, early, brown and yellow dent; stalks purple; ears 10.0 cm. by 4.2 cm.

255981. G7402. 'Burnell Golden Bantam'. Presented by Frank Goldsmith, South Paris, Maine. Plant to 1.5 m. high, much suckered; stalks purple; ears 14.0 by 4.2 cm. with high row count; seeds yellow, sweet.

255982. G7403. 'Baxters Golden Bantam'. Presented by R. M. Bailey, Brownfield, Maine. Plants of medium height, late, much suckered and free from smut; stalks purple; ears 13.5 by 4.5 cm., 12-rowed; seeds yellow, sweet.

255983. G7404. 'Pease Crosby Sweet Corn'. Presented by R. M. Bailey, Monmouth, Maine. Selected, maintained and grown for processing in central and western Maine. Open-pollinated plant to 2 meters high, very early; much suckered; stalks purple; ears 17.0 by 3.8 cm., 6- to 18-rowed; seeds light yellowish-gray.

255984. G7405. 'Knowlton'. Presented by R. M. Bailey near Monmouth, Maine. Open-pollinated plant to 2 meters high; ears 14.0 by 3.3 cm., 8-rowed; seeds yellow flint; slight smut.

255985. G7406. Presented by R. M. Bailey, Agricultural Experiment Station, Orono, Maine. Stalks to 2 meters high; medium early; ears 20.0 by 4.3 cm., 8-rowed; seeds yellow, flint; slight smut; susceptible to rust.

255986. G7407. 'Hubbard Flint'. Presented by R. M. Bailey, Agricultural Experiment Station, Orono, Maine, from R. G. Hubbard, Castleton, Vt. Stalks to two meters high; ears maturing medium early, 16.0 by 4.3 cm., 8-rowed; seeds yellow, heterozygous for cytoplasmic sterility, open-pollinated; free from smut.

255987. CYNARA SCOLYMUS L. Asteraceae. Globe artichoke.

From Portugal. Seeds presented by Jose Francisco Pereira Assuncao, Posto Agrario, Tavira. Received Mar. 20, 1959.

'Provence'.

255988. CAPSICUM PUBESCENS Ruiz. & Pav. Solanaceae.

From Guatemala. Seeds presented by the Servicio Cooperativo Inter-Americano de Agricultura, Guatemala City. Received Mar. 20, 1959.

255989 and 255990.

From Great Britain. Scions presented by the John Innes Horticultural Institute, Bayfordbury, Hertford, Herts, England. Received Mar. 23, 1959.

255989 and 255990—Continued

255989. *PRUNUS AVIUM* L. Amygdalaceae. Sweet cherry.
'Merton Glory'.

255990. *PYRUS COMMUNIS* L. Malaceae. Pear.
'Fertility'.

255991. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

From Great Britain. Seeds presented by Elsoms Ltd., Spalding, Linco, England.
Received Mar. 23, 1959.

'Chartainvilliers'.

255992 to 256002.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England.
Received Mar. 23, 1959.

255992. *ACER PALMATUM* Thunb. Aceraceae. Japanese maple.
'Koreanum'.

255993. *AESCULUS CHINENSIS* Bunge Aesculaceae.

255994. *FRAXINUS EXCELSIOR* f. *DIVERSIFOLIA* (Ait.) Lingels. Oleaceae. Ash.

255995. *FRAXINUS OXYCARPA* Willd.

'Reywoods'.

255996. *LABURNUM ANAGYROIDES* f. *QUERCIFOLIUM* (Loud.) Schneider Fabaceae.

255997. *SALIX BALFOURIANA* C. K. Schneid. Salicaceae.

255998. *SALIX DAPHNOIDES* Vill. Daphne willow.
'Aglia'.

255999. *SALIX FARGESII* Burkill

256000. *SORBOPYRUS AURICULARIA* (Knopp) Schneider Malaceae.
(*Pyrus communis* × *Sorbus aria*).

256001. *ULMUS HOLLANDICA* Mill. Ulmaceae. Dutch elm.
'Pendula'.

256002. *VITIS VINIFERA* L. Vitaceae. European grape.
'Purpurea'.

256003. *JUGLANS REGIA* L. Juglandaceae. Persian walnut.

From France. Scions presented by G. Herman, Domaine de Castang, Bergerac (Dordogne). Received Mar. 24, 1959.

'Marbeau'.

256004. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.

From France. Seeds presented by Tourneur Freres, Coulommiers. Received Mar. 24, 1959.

No. 505.

256005 to 256008. *TRITICUM* (hybrids). Poaceae.

From the United States. Seeds presented by C. O. Johnson, Agricultural Experiment Station, Manhattan, Kansas. Received Mar. 24, 1959.

(Chinese × *Aegilops umbellata*).

256005. P54-41.2-1. 132-138, greenhouse, 1955.

256006. P54-47. 4-7. 263-266, greenhouse, 1955.

256007. P54-44.1-6. Aberdeen, Idaho, 1956.

256008. P54-47. 4-6. Aberdeen, Idaho, 1956.

256009 to 256015.

From Pakistan. Seeds presented by the Office of the Cotton Botanist, Agricultural Research Service, Tandojam. Received Mar. 24, 1959.

256009 and 256010. *Gossypium arboreum* L. Malvaceae.

Asiatic tree cotton.

256009. 'Sind N.R.' A commercial variety.

256010. 'Tandojam Desi No. 1'.

256011 to 256015. *Gossypium* (hybrids).

Cotton.

256011. 51.041 (V1508). Formerly from U.S.S.R.

256012. 108F. Formerly from U.S.S.R.

256013. M4. A commercial variety.

256014. M100. A new long staple variety.

256015. S.T.J., MSVT, C/VI.

256016 to 256019. *Triticum aestivum* L. Poaceae.

Common wheat.

From Sweden. Seeds presented by W. Weibull, A.B., Landskrona. Received Mar. 24, 1959.

Spring types.

256016. 'Weibull's Original Sevenno' ('Margiun' × 'Hativi Inversiable') × ('Extra Kolbin' × 'Swedish Land'). Spikes white; early-maturing; straw short and very stiff; grain red, medium size and good quality.

Shatter resistant.

256017. 'Weibull's No. 5050'.

256018. 'Weibull's No. 5323'.

256019. 'Weibull's No. 5583'.

256020 to 256025. *Malus* (hybrids). Malaceae.

Crabapple.

From the Netherlands. Trees presented by the Arboretum, Wageningen. Received Mar. 24, 1959.

A collection of flowering crabapples.

256020. 'Hedwigiae'.

256021. 'Hoseri'.

256022. 'Kobendzii'.

256023. 'Makowieckiana'.

256024. 'Wierdakii'.

256025. 'Szaferi'.

256026 to 256034.

From Spain. Seeds presented by the Centro de Mejora del Maiz, Departamento de Agricultura, Madrid. Received Mar. 24, 1959.

256026 to 256028. *Secale cereale* L. Poaceae.

Rye.

256026. 1573; Line 28.

256027. 1567; Line 30.

256028. 1570; Line 33.

256029 and 256030. *Triticum dicoccoides* Koern. Poaceae.

256029. 1572; DS-9.

256030. 1571; 'Triticale 9'.

256026 to 256034—Continued

- 256031 and 256032.** *TRITICUM DICOCCUM* Schrank Emmer.
 256031. 1569; 'Escanda de Malvedo'.
 256032. 1568; 'Triticale 6'.
256033. *TRITICUM DURUM* Desf. Durum wheat.
 1565; 'Triticale 1'.
256034. *TRITICUM POLONICUM* L. Polish wheat.
 1641; 3108A. 'Enano de Andujar'.

256035 to 256042.

From Pakistan. Seeds presented by the Central Jute Committee, Jute Research Institute, Tejgaon, Dacca. Received Mar. 25, 1959.

- 256935 to 256037.** *HIBISCUS CANNABINUS* L. Malvaceae. Kenaf.
 256035. 'Mesta Green'.
 256036. 'Mesta Kistapur'.
 256037. 'Mesta Purplish'.
256038 to 256041. *HIBISCUS SABDARIFFA* L. Roselle.
 256038. 'Altissima Green'.
 256039. 'Altissima Red'.
 256040. 'Rozelle Green'.
 256041. 'Rozelle Red'.
256042. *SIDA* sp. Malvaceae.
 'Berela'.

256043 to 256047.

From Southern Rhodesia. Seeds presented by the Grasslands Agricultural Research Station, Marandellas. Received Mar. 25, 1959.

- 256043.** *DIGITARIA* sp. Poaceae.
 'Shamva' (cf. *D. milaniana* (Rendle) Stapf). A promising stoloniferous grass in Southern Rhodesia.
256044 to 256046. *ECHINOCHLOA PYRAMIDALIS* (Lam.) Hitchc. & Chase Poaceae.
 256044. 'Chirunder'. Stoloniferous.
 256045. 'Devuli'. Upright.
 256046. 'Parfuri'. Stoloniferous.

These three ecotypes have potential value in swampy areas or areas subjected to periodical inundations; for grazing or fodder; also for conservation purposes such as protection of the earth walls of dams.

- 256047.** *UROCHLOA* sp. Poaceae.
 'Sabi'. An upright bunchgrass.

256048 to 256080.

From Afghanistan. Seeds collected by Arnold Krochmal, United States Operations Mission, Kabul. Received Mar. 25, 1959.

- 256048 and 256049.** *ALLIUM CEPA* L. Liliaceae. Onion.
 256048. No. 1.
 256049. No. 2.

256048 to 256080—Continued

- 256050 and 256051. *ALLIUM PORRUM* L. Leek.
 256050. No. 1.
 256051. No. 2.
- 256052 and 256053. *BETA VULGARIS* L. Chenopodiaceae.
 256052. No. 1.
 256053. No. 2.
- 256054 and 256055. *BRASSICA RAPA* L. Brassicaceae. Turnip.
 256054. No. 1.
 256055. No. 2.
- 256056 to 256058. *CAPSICUM FRUTESCENS* L. Solanaceae. Redpepper.
 Collected at Peshawar.
 256056. No. 1. Chile.
 256057. No. 2. Istalif.
 256058. No. 3. Peshawar.
- 256059 and 256060. *CICER ARIETINUM* L. Fabaceae. Chickpea.
 256059. No. 1.
 256060. No. 2.
- 256061 and 256062. *CORIANDRUM SATIVUM* L. Apiaceae. Coriander.
 256061. No. 1.
 256062. No. 2.
- 256063 and 256064. *CUCURBITA PEPO* L. Cucurbitaceae. Pumpkin.
 256063. No. 1.
 256064. No. 2.
- 256065 and 256066. *DAUCUS CAROTA* L. Apiaceae. Carrot.
 256065. No. 1.
 256066. No. 2.
- 256067 and 256068. *HIBISCUS ESCULENTUS* L. Malvaceae. Okra.
 256067. No. 1.
 256068. No. 2.
- 256069 and 256070. *LAGENARIA LEUCANTHA* (Duch.) Rusby Cucurbitaceae. Calabash gourd.
 256069. No. 1.
 256070. No. 2.
- 256071 and 256072. *LUFFA AEGYPTIACA* Mill. Cucurbitaceae. Suakwa towelgourd.
 256071. No. 1.
 256072. No. 2.
- 256073 and 256074. *PHASEOLUS AUREUS* Roxb. Fabaceae. Mung bean.
 256073. No. 1.
 256074. No. 2.
- 256075 and 256076. *RAPHANUS SATIVUS* L. Brassicaceae. Radish.
 256075. No. 1.
 256076. No. 2.

256048 to 256080—Continued

256077 and 256078. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**

256077. No. 1.

256078. No. 2.

256079 and 256080. *SPINACIA OLERACEA* L. Chenopodiaceae. **Common spinach.**

256079. No. 1.

256080. No. 2.

256081 to 256107.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 25, 1959.

256081. *ACACIA ACINACEA* Lindl. Mimosaceae.

Col. No. S-249. East of Djerriwarrh Creek, Victoria. Glabrous, diffuse shrub to five feet high; flowers clear yellow.

256082. *ACACIA ACUMINATA* Benth.

Col. No. S-208. Raspberry Jam or Jam Tree. Wimmera Forest Nursery, Wail, Victoria. Slender, vase-shaped tree to 40 feet high, flowers yellow.

256083. *ACACIA HAKEOIDES* A. Cunn.

Col. No. S-195. 'Hakea wattle'. Wimmera Forest Nursery, Wail, Victoria. Spreading shrub to six feet high, foliage somewhat yellowish; flowers bright yellow; usually floriferous.

256084. *ACACIA HOWITTII* F. Muell.

Col. No. S-200. Wimmera Forest Nursery, Wail, Victoria. Erect spreading tree to 20 feet high; foliage pendulous; flowers pale yellow.

256085. *ACACIA MICROCARPA* F. Muell.

Col. No. S-199. Wimmera Forest Nursery, Wail, Victoria. Small, diffuse shrub; flowers yellow.

256086 and 256087. *ACACIA PYCNANTHA* Benth. **Golden wattle.**

256086. Col. No. S-204. Wimmera Forest Nursery, Wail, Victoria. Tree to 12 feet high and 15 feet across; branches pendulous; flowers bright yellow, large.

256087. Col. No. S-205. Mount Arapiles, Victoria. Flowers two months earlier than typical form.

256088. *ACACIA RETINODES* Schlecht.

Col. No. S-201. Edges of water courses and damp places in temperate regions, Wimmera Forest Nursery, Wail, Victoria. Erect to spreading tree to 20 feet high and 15 feet wide; flowers pale yellow, flowering over long period.

256089. *ACACIA RIGENS* A. Cunn.

Col. No. S-194. Wimmera Forest Nursery, Wail, Victoria. Compact shrub to three feet high; foliage dense; floriferous.

256090. *ACACIA SALICINA* Lindl.

Col. No. S-193. Near water courses in desert areas, Wimmera Forest Nursery, Wail, Victoria. Tree to 50 feet high; foliage pendulous; flowers pale yellow.

256091. *ACACIA STENOPHYLLA* A. Cunn.

Col. S-202. Along water courses in semi-arid areas, Wimmera Forest Nursery, Wail, Victoria. Tree to 20 feet high; phyllodes to 15 inches long and 0.25 inch wide; pendulous; flowers pale yellow.

256081 to 256107—Continued

256092. ACACIA VERNICIFLUA A. Cunn.

Col. No. S-190. Wimmera Forest Nursery, Wail, Victoria. Tree to 15 feet high; foliage glutinous, graceful, often dense; flowers clear yellow.

256093. ACACIA VICTORIAE Benth.

Col. No. S-191. Desert areas, Wimmera Forest Nursery, Wail, Vict
Tree to 12 feet high; foliage glaucous; flowers pale yellow.

256094. ACACIA sp.

Col. No. S-197. Wimmera Forest Nursery, Wail, Victoria. Tree to 15 feet high; branches tending to weep; flowers bright yellow.

256095. ACTINOSTROBUS sp. Pinaceae.

Col. No. S-235. Coorow, Western Australia. Evergreen tree to 12 feet high; superficially resembles *Cupressus*.

256096. BANKSIA COLLINIA R. Br. Proteaceae.

Col. No. S-214. 'Hillside Banksia'. Labertouche, Victoria. Upright shrub to 10 feet high; flowers yellowish, in cylinders to 18 inches long.

256097. CALOTHAMNUS BLEPHAROSPERMUS F. Muell. Myrtaceae.

Col. No. S-248. Geraldton, Western Australia. Straight-limbed fan-shaped shrub to five feet high; spikes of red flowers on old leafless wood.

256098. CODONOCARPUS COTINIFOLIUS (Desf.) F. Muell. Phytolaccaceae.

Col. No. S-215. 'Bell-fruit'. Auyan, Victoria. Tree to 20 feet high, usually dioecious.

256099. EUCALYPTUS ALPINA Lindl. Myrtaceae.

Hilltop eucalyptus.

Col. No. S-203. Mirranatwa Gap, Grampiana, Victoria. Shrub to 20 feet high; leaves bright green; flowers yellow.

256100. EUCALYPTUS EREMOPHILA (Diels) Maiden

Col. No. S-207. Victoria. Bushy tree to 20 feet high; flowers yellowish.

256101. EUCALYPTUS ERYTHRONEMA Turcz.

Col. No. S-209. Dooen, Victoria. Tree to 20 feet high; flowers crimson.

256102. EUCALYPTUS FORRESTIANA Diels

Col. No. S-210. 'Fuchsia Gum'. Wimmera Forest Nursery, Wail, Victoria. Umbrella-shaped mallee to 20 feet high; flowers inconspicuous; fruits showy.

256103. EUCALYPTUS PLATYPUS Hook.

Col. No. S-206. Wimmera Forest Nursery, Wail, Victoria. Bushy multiple-trunked tree to 20 feet high; flowers lemon-colored. A good windbreak.

256104. EUCALYPTUS TETRAPTERA Turcz.

Col. No. S-212. Greenlake, Victoria. Coarse shrub to 10 feet high; leaves large; fruits bright red.

256105. EUCALYPTUS (hybrid).

Col. No. S-213. Jeparit, Victoria. (*E. erythronema* × *E. steedmanii*). The F₁ hybrid is bushier than either parent and has showy pink flowers.

256106. HAKEA MULTILINEATA Meisn. Proteaceae.

Col. No. S-225. Wimmera Forest Nursery, Wail, Victoria. Dense, bushy shrub to eight feet high; flowers bright rose-pink, eight inches long. The best form seen.

256107. LASIOPETALUM DASYPHYLLUM Sieb. Sterculiaceae.

Col. No. S-250. 'Shrubby Velvet Bush'. Golton's Gorge, Victoria. Shrub to eight feet high; young branches rusty, flat, stiff; leaves cordate, ovate to lanceolate, to four inches long with short dense stellate hairs beneath; flowers pink or brownish, in dense cymes.

256108. MALUS SYLVESTRIS Mill. Malaceae. Common apple.

From New Zealand. Scions presented by the Department of Scientific and Industrial Research, Auckland. Received Mar. 26, 1959.

'Greenmeadows Cox's Orange Pippin'.

256109 to 256182. SORGHUM BICOLOR (L.) Moench Poaceae.

From India. Seeds presented by the Rockefeller Foundation, New Delhi. Received Mar. 25, 1959.

- 256109. I.S. No. 1147. G.2.
- 256110. I.S. No. 1148. G.4.
- 256111. I.S. No. 1151. 'Aisuri'.
- 256112. I.S. No. 1152. 'Satpani'.
- 256113. I.S. No. 1159. A.S. 4548. Ti-2. Yanger, Nigeria.
- 256114. I.S. No. 1176. A.S. 675. Mappalai Cholan, Palakuppam.
- 256115. I.S. No. 1179. A.S. 1093. Singara Cholan, Nagari.
- 256116. I.S. No. 1180. A.S. 2046. 'Jonna Saballva'.
- 256117. I.S. No. 1185. A.S. 4289. Singarapu Jonna, Chitor.
- 256118. I.S. No. 1188. A.S. 4522. Ramudi Talambrahu, Guntur.
- 256119. I.S. No. 1193. A.S. 6021. Wintersome, S. Rhodesia.
- 256120. I.S. No. 1195. A.S. 6189. Nambeu, Nyasaland.
- 256121. I.S. No. 1197. A.S. 6190. Nalunguni, Nyasaland.
- 256122. I.S. No. 1203. A.S. 4079. Mawannadi Juar, C.P. India.
- 256123. I.S. No. 1205. A.S. 4248. Vani Jowar, Nadyal.
- 256124. I.S. No. 1206. A.S. 5794. Abyssinea.
- 256125. I.S. No. 1221. A.S. 5236. Ting Hsian, China.
- 256126. I.S. No. 1222. A.S. 5237. China.
- 256127. I.S. No. 1239. A.S. 2699. Pallaku Jola, Kollegal.
- 256128. I.S. No. 1240. A.S. 2700. Pallaku Jola, Kollegal.
- 256129. I.S. No. 1246. A.S. 4259. 'Red Irungu'. Maduri.
- 256130. I.S. No. 1247. A.S. 4269. 'Red Irungu'. Maduri.
- 256131. I.S. No. 1249. A.S. 4524. Irungu Cholan, Koilpatti.
- 256132. I.S. No. 1256. A.S. 5412. Irungu, Koilpatti.
- 256133. I.S. No. 1304. A.S. 3998. Karaviru, Bukola.
- 256134. I.S. No. 1314. A.S. 1745. 'Dwarf Feterita'.
- 256135. I.S. No. 1339. A.S. 4627. N.T.
- 256136. I.S. No. 1342. A.S. 4643. Mdutubiya, Kurmila, Tanganyika.
- 256137. I.S. No. 1371. A.S. 1034. Napa Jonna, Macherala, Pal-ad.
- 256138. I.S. No. 1379. A.S. 2033. N.T.
- 256139. I.S. No. 1410. A.S. 4569. 'White Cholan'. Pollachi.
- 256140. I.S. No. 1432. A.S. 7443. Gidda Jonna, Chittor.
- 256141. I.S. No. 1438. A.S. 2181. N.T.
- 256142. I.S. No. 1444. A.S. 3898. Bor, Baluchistan.
- 256143. I.S. No. 1449. A.S. 5033. 'Uppu Vellai Cholan' Maniagaram-Palayam.
- 256144. I.S. No. 1463. A.S. 367. 'White Cholan'. Coimbatore.
- 256145. I.S. No. 1464. A.S. 387. Nir Jola, Kosgi.

256109 to 256182—Continued

256146. I.S. No. 1465. A.S. 391. 'Vellai Cholam'. Salem.
256147. I.S. No. 1466. A.S. 586. Yerra Jonna, Coimbatore.
256148. I.S. No. 1469. A.S. 591. Palapu Jonna, Markapur.
256149. I.S. No. 1478. A.S. 1030. Palapu Jonna, Donakanda.
256150. I.S. No. 1479. A.S. 1042. Yerra Jonna, Royachoti.
256151. I.S. No. 1480. A.S. 1064. Mottai Vellai Cholam'. Erode.
256152. I.S. No. 1486. A.S. 1672. 'Mottai Vellai Cholam'. Erode.
256153. I.S. No. 1488. A.S. 2137. Red grain.
256154. I.S. No. 1499. A.S. 3775. 'Ennai Vellai'. Gobichettipalayam.
256155. I.S. No. 1500. A.S. 3814. Nilwa Juar, Sabour, S.E. Bihar Range.
256156. I.S. No. 1501. A.S. 3832. 'Vellai Cholam'. Karur.
256157. I.S. No. 1503. A.S. 3850. 'Roma Cholam'. Tinnelvely.
256158. I.S. No. 1509. A.S. 4999. 'Vellai Cholam'. Koilpatti.
256159. I.S. No. 1510. A.S. 5029. 'Vellai Cholam'. Idikarai.
256160. I.S. No. 1511. A.S. 5037. 'Vellai Cholam'. Satvamangalam.
256161. I.S. No. 1512. A.S. 5044. Palapu Jonna, Nellore Dt.
256162. I.S. No. 1513. A.S. 5045. 'Sen Cholam'. Agoor.
256163. I.S. No. 1514. A.S. 5046. 'Sen Cholam'. Gudiyattam.
256164. I.S. No. 1515. A.S. 5049. 'Sen Cholam'. Masinaikenpatti.
256165. I.S. No. 1516. A.S. 5050. 'Sen Cholam'. Gobichettipalayam.
256166. I.S. No. 1517. A.S. 5052. 'Sen Cholam'. Tanthoni, Karur.
256167. I.S. No. 1518. A.S. 5053. 'Sen Cholam'. Kulithalsi.
256168. I.S. No. 1519. A.S. 5055. 'Sen Cholam'. Dindgul.
256169. I.S. No. 1521. A.S. 5058. 'Maddapala Cholam'. Guidiyatham.
256170. I.S. No. 1522. A.S. 5059. 'Gidda Jonna'. Pallipet, Tiruttani.
256171. I.S. No. 1523. A.S. 5061. 'Vallei Cholam'. Tiruttani.
256172. I.S. No. 1524. A.S. 5965. Mobbu Jonna, Chittor.
256173. I.S. No. 1544. A.S. 7951. 'Vellai Cholam'. Chittor.
256174. I.S. No. 1554. K.S. 152. 'Vaelli Cholam'. Koilpatti.
256175. I.S. No. 1555. K.S. 152.
256176. I.S. No. 1571. A.S. 6713. Br. sheath, glume leathery.
256177. I.S. No. 1573. A.S. 7053.
256178. I.S. No. 1579. A.S. 9375. Co. 5 x A.S. 3790.
256179. I.S. No. 1592. C.O. 15. 'Vellai Cholam'. Azhukku.
256180. I.S. No. 1594. C.O. 17. 'Vellai Cholam'. Katta.
256181. I.S. No. 1597. K. 2. 'Vellai Cholam'.
256182. I.S. No. 2174. TPT. 1. 'Talavirichan Cholam'. Pearly.
- 256183. PRUNUS AMYGDALUS Batsch Amygdalaceae. Almond.**

From Iran. Presented by the International Cooperation Administration, Tehran.
Received Mar. 26, 1959.

From native shrubby plants growing on calcareous slopes 40 km. north of Abyek.
Intense drought and summer heat prevail in area.

256184. STRONGYLODON MACROBOTRYS A. Gray Fabaceae.

From the Philippines. Seeds purchased from Mona Lisa Steiner, Pasay City.
Received Mar. 26, 1959.

256185. CINNAMOMUM sp. Lauraceae.

From Peru. Seeds collected by E. E. Smith, near Quillabamba, Dept. Cuzco.
Received Mar. 26, 1959.

256186 to 256244.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 26, 1959.

From the Adelaide Botanic Garden, Adelaide, South Australia.

256186. ACACIA ARGYROPHYLLA Hook. Mimosaceae.

Col. No. S-311. Spreading shrub to eight feet high.

256187. ACACIA JUNIPERINA Willd.

Prickly wattle.

Col. No. S-314. Shrub to four feet high; foliage prickly; flowers pale yellow.

256188. ACACIA LIGULATA A. Cunn.

Col. No. S-315. 'Umbrella Bush'. Shrub to eight feet high.

256189. ACACIA NOTABILIS F. Muell.

Col. No. S-316. 'Flinders Range Wattle'. Showy shrub to six feet high and eight feet wide.

256190. ACACIA OSWALDII F. Muell.

Col. No. S-317. Variable shrub to ten feet high.

256191. ACACIA RIGENS A. Cunn.

Col. No. S-318. Shrub to four feet high; flowers showy.

256192. ACACIA SOWDENII Maid.

Col. No. S-319. 'Myall'. Tree to 20 feet high; crown round; trunks multiple.

256193. ACACIA SUAVEOLENS (J. E. Sm.) Willd.

Col. No. S-508. 'Sweet Acacia'. Shrub to six feet high.

256194. ACACIA VICTORIAE Benth.

Col. No. S-320. 'Elegant Wattle'. Spiny tree to 12 feet high.

256195. ACACIA WATTSIANA F. Muell.

Col. No. S-321. Shrub to six feet high.

256196. ACROTRICHE DEPRESSA R. Br. Epacridaceae.

Col. No. S-322. 'Native Currant'. Shrub to two feet high; fruits used for making jam.

256197. ARGANIA SPINOSA (L.) Skeels Sapotaceae.

Col. No. S-337. 'Argan tree'. Tree to 20 feet high.

256198. ATRIPLEX PALUDOSA R. Br. Chenopodiaceae.

Col. No. S-325. 'Marsh Saltbush'. Silvery gray shrub to three feet high.

256199. ATRIPLEX SPONGIOSA F. Muell.

Col. No. S-393. 'Pop Saltbush'. Annual to 18 inches high.

256200. ATRIPLEX VESICARIA Heward

Col. No. S-394. 'Bladder Saltbush'. Shrub to two feet high.

256201. BILLARDIERA LONGIFLORA Labill. Pittosporaceae.

Col. No. S-380. Twining plant; flowers tubular; berries purple, showy.

256186 to 256244—Continued

256202. *BRUNONIA AUSTRALIS* Sm. Goodeniaceae.

Col. No. S-410. Biennial or perennial to 12 inches high; flower heads bright blue.

256203. *CALLISTEMON ACUMINATUS* Cheel Myrtaceae. **Bottlebrush.**

Col. No. S-381. Tall shrub; flowers bright red.

256204. *CALLISTEMON BRACHYANDRUS* Lindl.

Col. No. S-382. Tall shrub; branches drooping; flowers small, red and gold, profuse.

256205. *CALLISTEMON LINEARIS* DC.

Col. No. S-383. Large shrub; leaves linear; flowers large, bright red.

256206. *CALLISTEMON RUGULOSUS* DC.

Col. No. S-384. 'Scarlet Bottlebrush'. Large shrub; flowers pink or red.

256207. *CALLISTEMON TERETIFOLIUS* F. Muell.

Col. No. S-386. Shrub to five feet high; leaves terete; flowers bright red.

256208. *CALLITRIS CUPRESSIFORMIS* Vent. Pinaceae.

Col. No. S-387. Tree to 20 feet high.

256209. *CALOTHAMNUS VALIDUS* S. Moore Myrtaceae.

Col. No. S-388. Shrub to about 10 feet high; leaves terete; flowers red.

256210. *CARMICHAELIA WILLIAMSII* T. Kirk Fabaceae.

Col. No. S-389. Shrub to four feet high; branches compressed; flowers yellow.

256211. *CHORIZEMA CORDATUM* Lindl. Fabaceae.

Col. No. S-411. Small shrub; leaves broad; flowers showy, orange.

256212. *CHORIZEMA ILICIFOLIA* Labill.

Col. No. S-390. Small shrub; leaves hollylike; flowers showy.

256213. *EREMOPHILA LONGIFOLIA* (R. Br.) F. Muell Myoporaceae.

Col. No. S-417. 'Wild Plum Tree'. Shrub or small tree; branches drooping; leaves linear; flowers red.

256214. *EUCALYPTUS ALPINA* Lindl. ex Mitchell Myrtaceae.

Hilltop eucalyptus.

Col. No. S-339. Struggling tree to 15 feet high; flowers white.

256215. *EUCALYPTUS CALYCOGONA* Turcz.

Col. No. S-340. Tree to 20 feet high; flowers pink.

256216. *EUCALYPTUS GRACILIS* F. Muell.

Col. No. S-343. 'Red' or 'White Mallee'. Tall, slender tree.

256217. *EUCALYPTUS INCRASSATA* Labill.

Col. No. S-506. 'Mallee Box'. Tree to 24 feet high; foliage grayish-green; bark smooth, white.

256218. *EUCALYPTUS LEUCOXYLON* var. *MACROCARPA* J. E. Br.

Col. No. S-505. 'Yellow Gum'. Large shrub; bark rough; flowers large, red or white.

256219. *EUCALYPTUS RADIATA* Sieber

Col. No. S-502. 'Common Peppermint'. Occasional tree to 150 feet high; bark persistent.

256186 to 256244—Continued

256220. *EUCALYPTUS TORQUATA* Leuhm.

Col. No. S-345. 'Coral Gum'. Tree to 30 feet high; buds ornamental; flowers pink.

256221. *EUCALYPTUS TRIANTHA* Link.

Col. No. S-501. Tree to 100 feet high.

256222. *EUCALYPTUS* (hybrid).

Col. No. S-346. 'Augusta Wonder'. Tree to 12 feet high; flowers bright red.

256223. *EUCARYA SPICATA* (R. Br.) Sprag. & Summ. Santalaceae.

Col. No. S-338. Tree to six feet high.

256224. *HAKEA PUGIONIFORMIS* Cav. Proteaceae.

Col. No. S-249. Spiny shrub to five feet high; leaves terete; flowers white.

256225. *HETERODENDRUM OLEAEFOLIUM* Desf. Sapindaceae.

Col. No. S-396. 'Bullock Bush'. Shrub to 10 feet high; foliage bluish-green; flowers insignificant.

256226. *HOVEA PUNGENS* Benth. Fabaceae.

Col. No. S-365. Shrub to three feet high; leaves linear-lanceolate, pungent; flowers purple-blue.

256227. *LEPTOSPERMUM ABNORME* F. Muell. Myrtaceae.

Col. No. S-370. Shrub to 10 feet high; flowers white.

256228. *LOTUS AUSTRALIS* Andrews Fabaceae.

Col. No. S-372. Shrubby perennial to three feet high; flowers attractive, pink or white.

256229. *MELALEUCA LINARIFOLIA* Sm. Myrtaceae.

Col. No. S-373. 'Snow in Summer'. Small tree; leaves linear-lanceolate; flowers white.

256230. *MELALEUCA NEGLECTA* Ewart & Wood.

Col. No. S-375. 'Honey myrtle'. Shrub; foliage heathlike; flowers white.

256231. *MELALEUCA UNCINATA* R. Br.

Col. No. S-376. 'Broombush'. Shrub to eight feet high; flowers in yellowish heads.

256232. *MYRIOCEPHALUS STUARTII* (F. Muell. & Sond.) Benth. Asteraceae.

Col. No. S-377. 'Poached-egg Daisy'. Annual to two feet high; foliage gray, woolly; flowers rays white, center large, yellow.

256233. *NITRARIA SCHROBERI* L. Zygophyllaceae.

Col. No. S-378. 'Nitre-Bush'. Low spreading shrub; leaves gray-green; flowers small; berries brown.

256234. *OLEARIA PANNOSA* Hook. Asteraceae.

Col. No. S-350. Shrub to six feet high; leaves gray-green, tomentose; flowers large, white.

256235. *ORTHROSANTHUS CHIMBORACENSIS* (H.B.K.) Baker Iridaceae.

Col. No. S-351. Irislike plant to two feet high; flowers pale-blue.

256236. *PROSTANTHERA BEHRIANA* Schlecht. Menthaceae.

Col. No. S-356. Shrub to five feet high; foliage small, gray, mint-scented; flowers large, pale mauve.

256186 to 256244—Continued**256237.** *PROSTANTHERA LASIANTHOS* Labill.

Col. No. S-357. 'Xmas Bush'. Shrub or small tree; foliage deep green; flowers in heads, white.

256238. *PULTENAEA DAPHNOIDES* Wendl. Fabaceae.

Col. No. S-399. Shrub to five feet high; flowers showy heads of orange and brown.

256239. *SOLANUM AVICULARE* Forst. f. Solanaceae.

Col. No. S-402. 'Kangaroo Apple'. Shrub to eight feet high; flowers large, purple; fruits large, orangelike.

256240. *GOSSYPIUM STURTIANUM* J. H. Willis. Malvaceae.

Col. No. S-412. 'Sturts Desert Rose'. Small shrub; leaves rounded; flowers mauve.

256241. *STYPHELIA ACEROSA* (Gaertn.) Laing. & Blackwell Epacridaceae.

Col. No. S-414. Shrub to four feet high; leaves small, prickly; berries red, in masses.

256242. *SWAINSONA GREYANA* Lindl. Fabaceae.

Col. No. S-361. Shrubby perennial; leaves grayish; flowers in large spikes pink.

256243. *VERTICORDIA DENSIFLORA* Lindl. Myrtaceae.

Col. No. S-364. Shrub to three feet high; flowers in flat heads, pink.

256244. Undetermined.

Col. No. S-352. 'Morning Iris'. Irislike plant to 18 inches high; flowers pale blue.

256245 and 256246.

From Germany. Trees presented by J. Timm & Co., Baumschulen, Elmshorn. Received Mar. 27, 1959.

256245. *EUONYMUS EUROPAEUS* L. Celastraceae. **European burningbush.**
'Selecta'.**256246.** *MALUS PRUNIFOLIA* (Willd.) Borkh. Malaceae. **Pearleaf crabapple.****256247.** *FRAGARIA CHILOENSIS* (L.) Duchesne Rosaceae.
Chiloe strawberry.From Bolivia. Plants presented by the Servicio Agrícola Inter-Americano, La Paz. Received Mar. 27, 1959.
'Criolla'.**256248.** *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Germany. Tubers presented by the Max Planck Institute of Plant Breeding, Kolnvogelsang. Received Mar. 27, 1959.

No. 55,957/97.

256249. *VIGNA SINENSIS* (Torner) Savi Fabaceae.
Common cowpea.

From Nigeria. Seeds presented by the Ministry of Agriculture and Natural Resources, Moor Plantation, Ibadan. Received Mar. 30, 1959.

No. V-62.

256250 and 256251.

From Mexico. Seeds collected by Meyer and Rogers, Nuevo Leon. Numbered Mar. 27, 1959.

256250 and 256251—Continued

256250. AGAVE sp. Amaryllidaceae.

No. 2994. Cerro del Viejo, District Zaragoza. August 1948. Elevation 3,100 meters.

256251. MANFREDA sp. Amaryllidaceae.

No. 2792. Shaded cliffs, limestone, Tamualipas-Nuevo Leon border. July, 1948. Elevation 1,500 meters.

256252. CRATAEGUS AZAROLUS L. Malaceae.

Hawthorn.

From Italy. Seeds presented by the Istituto Botanico Dell' Universita, Siena. Received Mar. 30, 1959.

256253. BRASSICA OLERACEA var. CAPITATA L. Brassicaceae.

Cabbage.

From Indonesia. Seeds presented by the United States Operations Mission, Djakarta. Received Mar. 30, 1959.

Resistance to attack from common cabbage looper and some cabbage viruses.

256254 to 256258.

From Great Britain. Seeds purchased from Hillier & Sons, Winchester, England. Received Mar. 30, 1959.

256254. BETULA ERMANNII var. SUBCORDATA Koidz. Betulaceae.

256255. ENKIANTHUS CAMPANULATUS (Miq.) Nicholson Ericaceae.

256256. MAGNOLIA WILSONII (Finet & Gagn.) Rehder Magnoliaceae.

Wilson magnolia.

256257. PINUS GRIFFITHII McClell. Pinaceae.

Pine.

256258. TETRACENTRON SINENSE Oliver Magnoliaceae.

256259 to 256261. LYCOPERSICON ESCULENTUM Mill. Solanaceae.

Tomato.

From the United States. Seeds presented by the University of California, Davis. Numbered Mar. 30, 1959.

256259. LA 212 52 L 352-18 (gs) (true breeding).

256260. 2-44 56 L 455-2x456 (ms₆) ('San Marzano').

256261. 2-98 55 L 671-4x672-2 (ms₈) ('San Marzano').

256262. PELARGONIUM GRAVEOLENS L'Her. Geraniaceae.

Origin unknown. From the Drug Garden, Plant Industry Station, Beltsville, Md. May 1957. Numbered Mar. 30, 1959.

256263. PELARGONIUM (hybrid).

Origin unknown. From the Drug Garden, Plant Industry Station, Beltsville, Md. May 1957. Numbered Mar. 30, 1959.

256264 to 256321.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Mar. 30, 1959.

256264. ACACIA AURICULAEFORMIS A. Cunn. ex Benth. Mimosaceae.

Col. No. S-541. Brisbane Botanic Garden, Brisbane, Queensland. Small tree; phyllodes glaucous; pods large, twisted; flowers in spikes to three inches long.

256265. ACACIA DRUMMONDII Lindl.

Col. No. S-519. H. G. Kershaw, St. Ives, New South Wales. Shrub to three feet high; leaves pinnate; flowers catkinlike, in heads.

256265 to 256321—Continued

256266. *ACTINOTIS HELIANTHI* Labill. Apiaceae. **Flannel-flower.**

Col. No. S-517. Garden of P. J. Parry, Kariong, New South Wales. Grey tomentose erect annual to two feet high; flowers in large heads, white.

256267 to 256271. Botanic Garden, Brisbane, Queensland.

256267. *ALSTONIA CONSTRICTA* F. Muell. Apocynaceae.

Col. No. S-608. Tree to 20 feet high; flowers white.

256268. *ANGOPHORA SUBVELUTINA* F. Muell. Myrtaceae.

Col. No. S-555. Spreading tree to 40 feet high; bark rough; leaves grayish, sessile; flowers white, showy.

256269. *BARKLYA SYRINGIFOLIA* F. Muell. Fabaceae.

Col. No. S-598. Slow-growing tree to 40 feet high; foliage glossy green; flowers bright yellow.

256270. *BAUHINIA CUNNINGHAMII* Benth. Caesalpinaceae.

Col. No. S-584. No data.

256271. *BAUHINIA HOOKERI* F. Muell.

Col. No. S-578. Spreading tree to 20 feet high; flowers large; petals white, stamens and pistil red.

256272. *BILLARDIERA SCANDENS* J. E. Sm. Pittosporaceae.

Col. No. S-533. Highway between Montrose and Kalorama, northwest slopes of Dandenong Ranges, Victoria. Evergreen twining vine to six feet high; flowers blue.

256273. *BRUNONIA AUSTRALIS* J. E. Sm. Goodeniaceae.

Col. No. S-529. Goonoo Forest, 16 miles from Dubbo, New South Wales. Perennial herb; leaves in rosettes from which flower stalks to one foot high rise; heads one inch in diameter; flowers blue.

256274. *CALLISTEMON PACHYPHYLLUS* Cheel Myrtaceae.

Col. No. S-587. Botanic Garden, Brisbane, Queensland. Shrub to 15 feet high.

256275. *CALLITRIS CUPRESSIFORMIS* Vent. Pinaceae.

Col. No. S-551. Botanic Garden, Brisbane. Conical evergreen tree to 40 feet high.

256276. *CALOTHAMNUS LONGISSIMUS* F. Muell. Myrtaceae.

Col. No. S-512. Alison Ashbys's garden, Blackwood, South Australia. Straggly shrub; flowers inconspicuous.

256277. *CASSIA DELOLATA* F. Muell. Caesalpinaceae.

Col. No. S-557. Botanic Garden, Brisbane, Queensland. Shrub; flowers yellow.

256278. *CERATOPETALUM GUMMIFERUM* J. E. Sm. Cunoniaceae.

Col. No. S-633. 'Christmas Bush'. G. W. Althofer, Dripstone, New South Wales. Tree to 30 feet high; flowers white, profuse; bracts bright red.

256279. *CLEMATIS GLYCINOIDES* DC. Ranunculaceae.

Col. No. S-514. Wilds near Pymble, New South Wales. Evergreen woody climber; flowers white.

256280 and 256281. *CRASPEDIA RICHEA* Cass. Asteraceae.

256280. Col. No. S-651. Mt. Buffalo, Victoria. Alpine herbaceous perennial; leaves in rosettes; flowers yellow, to one inch in diameter.

256281. Col. No. S-650. Mogriguy, New South Wales. Lowland herbaceous perennial; leaves in rosettes; flowers in heads, yellow, arise from rosettes.

256265 to 256321—Continued

256282. *CYCAS MEDIA* R. Br. Cycadaceae.

Col. No. S-628. Botanic Garden, Brisbane, Queensland. Plant slow growing, to 12 feet high.

256283. *DILLWYNIA ERICIFOLIA* Sm. Fabaceae.

Col. No. S-515. Wilds near Pymble, New South Wales. Erect, heathlike shrub to four feet high; flowers yellow, in clusters.

256284. *ELAEOCARPUS CYANEUS* Ait. Elaeocarpaceae.

Col. No. S-579. Botanic Garden, Brisbane, Queensland. Tree to 10 feet high.

256285. *EREMOPHILA MACULATA* (Ker.) F. Muell. Myoporaceae.

Col. No. S-566. Northern Territory. Shrub to three feet high; flowers red or yellow.

256286 to 256289. From Botanic Garden, Brisbane, Queensland.

256286. *ERYTHRINA VESPERTILIO* Benth. Fabaceae.

Coral tree.

Col. No. S-622. Small tree; flowers salmon.

256287. *EUCALYPTUS STAIGERIANA* F. Muell. Myrtaceae.

Col. No. S-581. Tree to 40 feet high.

256288. *FICUS PLATYPODA* (Miquel) A. Cunn. Moraceae.

Col. No. S-593. A tall tree; fruits attractive.

256289. *GOODIA PUBESCENS* Sims. Fabaceae.

Col. No. S-590. Shrub to 12 feet high; yellow flowers with purple markings, in racemes.

256290. *GREVILLEA BANKSII* R. Br. Proteaceae.

Col. No. S-520. H. G. Kershaw, St. Ives, New South Wales. Shrub to six feet; flowers creamy-white.

256291. *HAKEA DACTYLOIDES* (Gaertn.) Cav. Proteaceae.

Col. No. S-522. Tall shrub; flowers small, whitish, in axillary clusters.

256292 to 256294. Botanic Garden, Brisbane, Queensland.

256292. *HIBISCUS HETEROPHYLLUS* Vent. Malvaceae.

Col. No. S-558. Sparsely branched tree to 20 feet high, flowers white to purplish-pink.

256293. *HIBISCUS RADIATUS* Cav.

Col. No. S-543. Sub-shrub; flowers pink or white.

256294. *HIBISCUS SPLENDENS* Fras. ex R. Grah.

Col. No. S-561. Shrub; flowers pink, center deeper.

256295. *IPOGON LATIFOLIUS* R. Br. Proteaceae.

Col. No. S-635. G. W. Althofer, Dripstone, New South Wales. Shrub to six feet high; flowers rose-pink.

256296. *KERAUDRENIA INTEGRIFOLIA* Steud. Sterculiaceae.

Col. No. S-599. Northern Territory. Shrub to two feet high; calyx purplish.

256297. *KOCHIA SEDIFOLIA* F. Muell. Chenopodiaceae. **Summer-cypress.**

Col. No. S-604. Botanic Garden, Brisbane, Queensland. Shrub to four feet high.

256265 to 256321—Continued

256298 and 256299. *LAMBERTIA FORMOSA* Smith Proteaceae.

256298. Col. No. S-523.

256299. Col. No. S-647. G. W. Althofer, Dripstone, New South Wales. Shrub to four feet high; flowers red, interesting; seed pods unusual.

256300. *LEPTOSPERMUM CORIACEUM* Cheel Myrtaceae.

Col. No. S-509. Coonalpyn, South Australia. Shrub to six feet high; foliage grayish-green; flowers white.

256301 to 256303. Botanic Garden, Brisbane, Queensland.

256301. *MACADAMIA INTEGRIFOLIA* Maiden & Betcher Proteaceae.

Col. No. S-626. Ornamental evergreen tree to 20 feet high; fruit edible, shell hard.

256302. *MACROZAMIA MACDONELLII* F. Meull. Cycadaceae.

Col. No. S-631. Foliage gray.

256303. *MELALEUCA CHEELII* C. T. White Myrtaceae.

Col. No. S-617. Shrub to eight feet high; flowers white, in spikes.

256304. *MELALEUCA GLOMERATA* F. Muell.

Col. No. S-615. Northern Territory. Xerophytic shrub to 10 feet high; flowers white.

256305 and 256306. *MELALEUCA LEUCADENDRON* L. **Cajeput-tree.**

256305. Col. No. S-562. Northern Territory. Shrub to 15 feet high; flowers light green.

256306. Col. No. S-582. Maryborough, Queensland. Tree to 20 feet high.

256307. *OLEARIA GUNNIANA* (DC.) Hook. f. Asteraceae.

Col. No. S-648. G. W. Althofer's garden, Dripstone, New South Wales. Shrub to three feet high; flowers pink, daisylike.

256308. *OPERCULINA TURPETHUM* (L.) Manso. Convolvulaceae.

Col. No. S-614. Northern Territory. Woody vine; flowers white.

256309. *PAVETTA INDICA* L. Rubiaceae.

Pawatta.

Col. No. S-605. Botanic Garden, Brisbane, Queensland. Shrub to six feet high; flowers numerous, white, jasmine scented.

256310. *PERSOONIA JUNIPERINA* Labill. Proteaceae.

Col. No. S-518. H. G. Kershaw, St. Ives, New South Wales. Bushy shrub to six feet high; foliage fine, needlelike.

256311. *PETREA VOLUBILIS* L. Verbenaceae.

Col. No. S-632. Botanic Garden, Brisbane, Queensland. Vine; flowers lavender-blue, profuse.

256312. *PITHECELLOBIUM GRANDIFLORUM* Benth. Mimosaceae.

Col. No. S-616. Botanic Garden, Brisbane, Queensland. Tree to six feet high; flowers precocious; stamens white, pink tipped.

256313. *PROSTANTHERA NIVEA* A. Cunn. Menthaceae.

Col. No. S-526. G. W. Althofer's garden, Dripstone, New South Wales. Shrub to five feet high; flowers pale blue.

256314. *PROSTANTHERA ROTUNDIFOLIA* R. Br.

Col. No. S-528. 'Mint bush'. Jones Creek Road, 10 miles from Dubbo, New South Wales. Bush to six feet high; foliage small; flowers mauve.

256315. *PROSTANTHERA* sp.

Col. No. S-528. Goonoo Forest, 16 miles from Dubbo, New South Wales. Open shrub to four feet high; flowers lavender.

256265 to 256321—Continued

256316. *RHODOSPHAERA RHODANTHEMA* (F. Muell.) Engler Anacardiaceae.

Col. No. S-629. Botanic Garden, Brisbane, Queensland. Tree to 30 feet high; flowers masses of pink to red; fruits masses of pink, turning brown.

256317 and 256318. *SYNCARPIA GLOMULIFERA* (J. E. Sm.) Niedenzu Myrtaceae.

256317. Col. No. S-524. Wild near Pymble, New South Wales. Medium to large evergreen tree; flowers white, very showy.

256318. Col. No. S-539. Botanic Garden, Brisbane, Queensland.

256319. *TELOPEA SPECIOSISSIMA* (J. E. Sm.) R. Br. Proteaceae.

Col. No. S-636. 'Waratah'. G. W. Althofer garden, Dripstone, New South Wales. Attractive shrub to eight feet high; flowers in large heads, bright red.

256320. *THOMASIA MACROCARPA* Hueg. Sterculiaceae.

Col. No. S-653. G. W. Althofer, Perth, Western Australia. Shrub to five feet high; flowers pale violet.

256321. *TURRAEA OBTUSIFOLIA* Hochst. Meliaceae.

Col. No. S-610. Botanic Garden, Brisbane, Queensland. Evergreen shrub to four feet high; foliage fine; flowers small, white, profuse.

256322 to 256329. ALLIUM CEPA L. Liliaceae.**Onion.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Mar. 30, 1959.

256322. 'Amarela Globular', 'Seelina'.

256323. 'Amarela Globular', 'Rio Grande'.

256324. 'Amarela Globular', 'Sintese No. 32'.

256325. 'Baia Periforme', 'Sintese No. 22'.

256326. 'Baia Periforme', 'Sintese No. 26'.

256327. 'Baia Periforme', 'Sintese No. 30'.

256328. 'Pera Baia', 'Sintese No. 13'.

256329. 'Pera Vermelha', 'Sintese No. 14'.

256330 and 256331.

From Italy. Cuttings presented by the Central Experiment Station, Department of Forestry, Rome. Received Mar. 31, 1959.

256330. *POPULUS* sp. Salicaceae.

No. 1-214.

256331. *POPULUS* sp.

No. 1-455.

256332. *PRUNUS PERSICA* (L.) Batsch Amygdalaceae.

Peach.

From Italy. Scions presented by Arturo Ansaloni, Bologna. Received Mar. 31, 1959.

'Gialla Precoce Morettini'.

256333. *EUONYMUS* sp. Celastraceae.

From Japan. Plants presented by Tsuneshige Rokujo, Toshima-Ku, Senkawa-Machi, Tokyo. Received Mar. 31, 1959.

256334 to 256344.

From Pakistan. Seeds collected by the United States Operations Mission, Herat. Received Mar. 31, 1959.

256334 to 256344—Continued

- 256334 and 256335. *HELIANTHUS ANNUUS* L. Asteraceae. Common sunflower.
 256334. No. 1.
 256335. No. 2.
 256336. *HORDEUM* sp. Poaceae.
 256337 and 256338. *MEDICAGO SATIVA* L. Fabaceae. Alfalfa.
 256337. No. 1.
 256338. No. 2.
 256339 and 256340. *ORYZA SATIVA* L. Poaceae. Rice.
 256339. No. 1.
 256340. No. 2.
 256341 and 256342. *VIGNA SINENSIS* (Torner) Savi Fabaceae. Common cowpea.
 256341. No. 1.
 256342. No. 2.
 256343 and 256344. *TRIFOLIUM RESUPINATUM* L. Fabaceae. Persian clover.
 256343. No. 1.
 256344. No. 2.

256345 to 256375.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 1, 1959.

Collected in South Australia.

256345. *ACTINOTUS LEUCOCEPHALUS* Benth. Apiaceae.
 Flowers white, silky velvet.
 256346. *CALADENIA FLAVIA* R. Br. Orchidaceae. Orchid.
 256347. *CALADENIA PATERSONII* R. Br. Orchid.
 256348. *CALADENIA ROEI* Benth. Orchid.
 256349. *CALYTHRIX* sp. Myrtaceae.
 256350. *CHAMAESCILLA CORYMBOSA* F. Muell. Liliaceae.
 256351. (Undetermined). Pittosporaceae.
 256352. *CONOSPERMUM* sp. Proteaceae.
 256353. *DIURIS LONGIFOLIA* R. Br. Orchidaceae. Orchid.
 256354. *DIURIS SETACEA* R. Br. Orchid.

Flowers yellow.

256355. *HELIPTERUM MANGLESII* (Lindl.) F. Muell. Asteraceae.
 256356. *HELIPTERUM* sp.
 256357. *HELIPTERUM* sp.
 256358. *HELIPTERUM* sp.
 256359. *HELIPTERUM* sp.
 256360. *KENNEDYA PROSTRATA* R. Br. Fabaceae.
 256361. *MELALEUCA CORDATA* Benth. Myrtaceae.
 256362. *MELALEUCA STEEDMANII* C. A. Gardn.
 256363. *MELALEUCA* sp.
 256364. *PODOLEPSIS ARISTATA* Benth. Asteraceae.

256345 to 256375—Continued**256365.** *THELYMITRA ANTENNIFERA* Hook. f. Orchidaceae.**Orchid.****256366.** *VERTICORDIA GRANDIS* Drumm. Myrtaceae.**256367.** *VERTICORDIA* sp.

Shrub to 18 inches high.

256368. *VERTICORDIA* sp.

Shrub to 18 inches high; flowers yellow.

256369. *LEPTOSPERMUM* sp. Myrtaceae.

Shrub to eight feet high; flowers precociously.

256370. (Undetermined).

Flowers blue, three-petaled, tiny, fragile.

256371. (Undetermined).

Flowers cream-colored; markings red.

256372. (Undetermined).

Shrub to 10 feet high; flowers yellow, buttercup shape.

256373. (Undetermined).

'Sun Dew Creepers'.

256374. (Undetermined).

'Pride of the West'. Twining.

256375. (Undetermined).**256376.** *GLYCINE MAX* (L.) Merr. Fabaceae.**Soybean.**

From India. Seeds presented by Howard L. Roach, New Delhi. Received Apr. 1959.

256377 and 256378.

From Italy. Cuttings presented by the Central Experiment Station, Department of Forestry, Rome. Received Apr. 1, 1959.

256377. *POPULUS* sp. Salicaceae.

No. 1-154.

256378. *POPULUS* sp.

No. 1-262.

256379 and 256380.

From Nepal. Scions and seeds presented by G. N. Gibb, Katmandu.

Received Apr. 2, 1959.

256379. *PRUNUS* sp. Amygdalaceae.

Collected by the Charge de Affairs, British Embassy, Katmandu at 6,000 feet elevation. Cherry tree to 60 feet high; flowers red.

256380. *PYRUS COMMUNIS* L. Malaceae.**Pear.**

'Naspati'. Wild variety.

256381. *CITRUS RETICULATA* Blanco Rutaceae. **Mandarin orange.**

From Hawaii. Scions presented by the Agricultural Experiment Station, Oahu. Received Apr. 2, 1959.

Tree perennial bearer, fruiting heavy in spring months; fruits large. A recently developed variety which shows promise for commercial use in California.

256382 to 256427.

From El Salvador, Costa Rica, and Guatemala. Seeds collected by R. W. Allard and Carl Tucker, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 2, 1959.

Collected in El Salvador except where otherwise noted.

256382 to 256422. *PHASEOLUS LUNATUS* L. Fabaceae. **Lima bean.**

- 256382. No. 1. 'Chilipuca Blanca'. Chalchuapa market.
- 256383. No. 2. 'Chilipuca Baya'. Chalchuapa market.
- 256384. No. 3. 'Chilipuca Zarda Roja'. Chalchuapa market.
- 256385. No. 4. 'Chilipuca Roja'. Santa Telca.
- 256386. No. 5. 'Chilipuca Amarilla'. Chalchuapa market.
- 256387. No. 7. 'Juruma'. Texistegue.
- 256388. No. 8. 'Chilipuca Zarda'. Chalchuapa market.
- 256389. No. 9. 'Chilipuca Negra Redonda'. Chalchuapa market.
- 256390. No. 10. 'Chilipuca Negra Plana'.
- 256391. No. 12.

256392 to 256399. 'Chilipuca'. From Santa Ana market.

- | | |
|-----------------|-----------------|
| 256392. No. 13. | 256396. No. 17. |
| 256393. No. 14. | 256397. No. 18. |
| 256394. No. 15. | 256398. No. 19. |
| 256395. No. 16. | 256399. No. 20. |

256400 to 256406. 'Chilipuca'. Chalchuapa market.

- | | |
|-----------------|-----------------|
| 256400. No. 21. | 356404. No. 25. |
| 256401. No. 22. | 256405. No. 26. |
| 256402. No. 23. | 256406. No. 27. |
| 256403. No. 24. | |

256407 to 256416. Collected in vacant lot, San Jose, Costa Rica.

- | | |
|-----------------|-----------------|
| 256407. No. 28. | 256412. No. 33. |
| 256408. No. 29. | 256413. No. 34. |
| 256409. No. 30. | 256414. No. 35. |
| 256410. No. 31. | 256415. No. 36. |
| 256411. No. 32. | 256416. No. 37. |

256417. No. 38. San Josecito, Alejuela, Costa Rica.

256418. No. 39. San Josecito, Alejuela, Costa Rica.

256419 to 256422. Farm of Marcus Morera, near Alejuela, Costa Rica.

- 256419. No. 40.
- 256420. No. 41.
- 256421. No. 42.
- 256422. No. 43.

256423 and 256424. *PHASEOLUS VULGARIS* L.

Common bean.

- 256423. No. 6.
- 256424. No. 11. 'Menudo Blanco Arroz'.

256425. *PHASEOLUS* sp.

- No. 44. 'Cuba'. Farm of Hipolito Garcia, San Isidro, Costa Rica.

256382 to 256427—Continued

256426 and 256427. From Guatemala.

256426. *PHASEOLUS* sp.

No. 45. Chickicastenango.

256427. *PHASEOLUS* sp.

No. 46. Chickicastenango.

256428. *Gossypium* (hybrid). *Malvaceae*.

Cotton.

From Panama. Seeds presented by Anderson Clayton & Co., Houston, Texas.
Received Apr. 3, 1959.

Collected in Panama City area.

256429 to 256482.

From Australia. Collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 3, 1959.

Botanical Garden, Brisbane, Queensland, Jan. 1959.

256429. *ABUTILON LEUCOPETALUM* F. Muell. *Malvaceae*.

Col. No. S-586. Xerophytic shrub to four feet high; flowers pale yellow.

256430. *ACACIA BIDWILLII* Benth. *Mimosaceae*.

Col. No. S-545. Tree to 20 feet high; flowers pale yellow.

256431. *ACACIA LINIFOLIA* var. *PROMINENS* (A. Cunn.) Moore.

Col. No. S-536. Broad-headed tree to 20 feet high; flowers bright yellow.

256432. *ALCHORNEA ILICIFOLIA* F. Muell. *Euphorbiaceae*.

Col. No. S-588. Shrub to 12 feet high.

256433. *ALPINIA CAERULEA* Benth. *Zingiberaceae*.

Col. No. S-613. Herb to six feet high; flowers blue.

256434. (Undetermined). *Myrtaceae*.

Col. No. S-553. Shrub; flowers white.

256435. (Undetermined).

Col. No. S-591. Shrub; young growth pinkish; flowers white or pale pink.

256436. *BLANDFORDIA FLAMMEA* Lindl. *Liliaceae*.

Col. No. 573. Herb; leaves in narrow rosettes; flowers in racemes, drooping, red and yellow.

256437. *STERCULIA TRICHOSIPHON* Benth. *Sterculiaceae*.

Col. No. S-542. Deciduous tree to 20 feet high.

256438. *CALLISTEMON PACHYPHYLLUS* Cheel *Myrtaceae*.

Col. No. S-625. 'Viridis'. Flowers green.

256439. *CASSIA DESOLATA* F. Muell. *Caesalpinaceae*.

Col. No. S-575. 'Tomentosa'.

256440. *CASSIA MARKSIANA* Domin.

Col. No. S-585. Rainforest tree to 80 feet high; flowers yellow, in long racemes.

256441. *COCHLOSPERMUM FRASERI* Planch. *Cochlospermaceae*.

Col. No. S-595. Precocious deciduous tree to 20 feet high; flowers large, yellow.

256442. *DENHAMIA PITTIPOROIDES* F. Muell. *Celastraceae*.

Col. No. S-600. Evergreen rainforest tree; leaves toothed when young.

256429 to 256482—Continued

256443. *DODONAEA MEGAZYGA* F. Muell. Sapindaceae.

Col. No. S-606. Spindly shrub; fruits attractive.

256444. *EPACRIS OBTUSIFOLIA* Sm. Epacridaceae.

Col. No. S-612. Diffuse shrub to three feet high; flowers white.

256445. *EREMOPHILA LATROBEI* F. Muell. Myoporaceae.

Col. No. S-544. Shrub to 14 feet high; flowers red.

256446. *EREMOPHILA LONGIFOLIA* (R. Br.) F. Muell.

Col. No. S-549. Shrubby plant; flowers brownish-red.

256447. *EUCALYPTUS MICROTHECA* F. Muell. Myrtaceae.

Col. No. S-597. Tree to 40 feet high; bark white.

256448. *EUCALYPTUS PHAEOTRICA* Blakely & McKie

Col. No. S-552. Tall tree.

256449. *FICUS OPPOSITA* Miq. Moraceae.

Col. No. S-577. Small spreading tree.

256450. *GOMPHRENA CANESCENS* R. Br. Amaranthaceae.

Col. No. S-603. Annual to 18 inches high; flowers pink.

256451. *GOMPHRENA FLACCIDA* R. Br.

Col. No. 550. Herb to 18 inches high; flowers pink.

256452. *GREVILLEA CHRYSODENDRUM* R. Br. Proteaceae.

Col. No. S-592. Tree to 20 feet high; flowers orange.

256453. *GREVILLEA HELIOSPERMA* R. Br.

Col. No. S-580. Tree to 12 feet high; flowers red.

256454. *GREVILLEA MIMOSOIDES* R. Br.

Col. No. S-564. Tree to 20 feet high; phyllodes acacialike; flowers white; pericarp resin caustic.

246455. *HAKEA ARBORESCENS* R. Br. Proteaceae.

Col. No. S-570. Tree; young growth reddish to bronze; flowers small, white.

256456. *HIBISCUS PANDURAEFORMIS* Burm. f. Malvaceae.

Col. No. S-554. Shrub; flowers yellow.

256457. *HOVEA ACUTIFOLIA* A. Cunn. Fabaceae.

Col. No. S-611. Shrub to six feet high; flowers intense mauve, close to the stem.

256458. *INDIGOFERA PRATENSIS* F. Muell. Fabaceae.

Col. No. S-569. Shrubby plant to two feet high; flowers bright pink.

256459. *IXORA TIMORENSIS* Decne. Rubiaceae.

Col. No. S-583. Rainforest shrub to six feet high; flowers white.

256460. *LEPTOSPERMUM LIVERSIDGEI* R. T. Baker & H. G. Sm. Myrtaceae.

Col. No. S-540. Shrub to 12 feet high; branches erect; leaves lemon-scented when crushed; flowers pink or white.

256461. *LEPTOSPERMUM MICROCARPUM* Cheel

Col. No. S-565. Shrub; flowers white.

256462. *LEPTOSPERMUM SEMIBACCATUM* Cheel

Col. No. S-563. Shrub to three feet high; flowers white and pink.

256429 to 256482—Continued

- 256463.** *MELALEUCA ARGENTEA* W. V. Fitzg. Myrtaceae.

Col. No. S-621. Tall tree; foliage weeping; flowers greenish, turning reddish at maturity.

- 256464.** *MILLETTIA MAIDENIANA* F. M. Bailey Fabaceae.

Col. No. S-627. Vine; flowers pale lavender, in racemes.

- 256465.** *NEWCASTLIA SPODIOTRICHA* F. Muell. Verbenaceae.

Col. No. S-537. Shrub; foliage white trichome-covered.

- 256466.** *NOTELAEA LONGIFOLIA* Vent. Oleaceae.

Col. No. S-609. Tree to 20 feet high; crown broad; flowers numerous, white or cream-colored.

- 256467.** *NOTOXYLINON AUSTRALE* Lewton Malvaceae.

Col. No. S-568. (No data).

- 256468.** *OLEARIA STUARTII* F. Muell. Asteraceae.

Col. No. S-619. Small, densely glandular, viscid, divaricately branched shrub.

- 256469.** *ORTHOTHYLAX GLABERRIMUS* Skottsb. Philydraceae.

Col. No. S-601. Wet rocky slopes and creek banks. Irislike herb; inflorescences large; flowers pink in bud, opening white.

- 256470.** *OWENIA VERNICOSA* F. Muell. Meliaceae.

Col. No. S-630. Deciduous tree to 30 feet high; leaves shining green, pinnate, clustered at ends of branches; flowers white.

- 256471.** *PLUMBAGO ZEYLANICA* L. Plumbaginaceae.

Col. No. S-594. Shrub to three feet high; flowers white.

- 256472.** *POMADERRIS PILIFERA* N. A. Wakefield Rhamnaceae.

Col. No. S-168. Shrub.

- 256473.** *SOLANUM STUARTIANUM* F. Muell. Solanaceae.

Col. No. S-574. (No data).

- 256474.** *STERCULIA RAMIFLORA* (R. Br.) Benth. Sterculiaceae.

Col. No. S-607. Tree to 20 feet high.

- 256475.** *TEMPLETONIA HOOKERI* Benth. Fabaceae.

Col. No. S-548. (No data).

- 256476.** *TERNSTROEMIA CHERRYI* Merr. Theaceae.

Col. No. S-547. Tree to 30 feet high.

- 256477.** *POLYSCIAS ELEGANS* (Moore & F. Muell.) Harms Araliaceae.

Col. No. S-538. Fast growing tree; foliage attractive; inflorescences large; flowers smoky-violet.

- 256478.** *TRACHYMENE COERULEA* R. Grah. Apiaceae.

Col. No. S-546. Herb; stems to three feet high; leaves in rosettes; flower heads smoky-blue.

- 256479.** *TRICHINIUM CALOSTACHYUM* F. Muell. Amaranthaceae.

Col. No. S-620. Annual herb; inflorescence purplish-red.

- 256480.** *TRICHINIUM MACROCEPHALUM* R. Br.

Col. No. S-571. Herb; flowers green.

- 256481.** *TRICHINIUM NOBILE* Lindl.

Col. No. S-603. Perennial herb; leaves in rosettes; flowers in spikes, purple, red or pink.

256429 to 256482—Continued**256482.** *XANTHOSTEMON OPPOSITIFOLIUS* F. M. Bailey Myrtaceae.

(No data).

256483 to 256485. *MALUS SYLVESTRIS* Mill. Malaceae.**Common apple.**

From Sweden. Scions presented by the Balsgard Fruit Breeding Institute, Fjalkestad. Received Apr. 3, 1959.

256483. 'Ingrid Marie O.P.' BM 6029.**256484.** 'Ingrid Marie' × 'Filippa'. BM 31021.**256485.** 'Yellow Transparent' × 'Red Ananas'.**256486 to 256488.** *VITIS VINIFERA* L. Vitaceae. **European grape.**

From France. Cuttings presented by Maclet-Botton, Villefranche-en-Beaujolais, Rhone. Received Apr. 3, 1959.

256486. 'Burdin 7061'.**256487.** 'Burdin 7705'.**256488.** 'Joannes Seyve 26-205'.**256489 to 256492.** *MESPILUS GERMANICA* L. Malaceae. **Medlar.**

From Great Britain. Trees presented by the John Innes Horticultural Institute, Bayfordberry Hertford, Herts, England. Received Apr. 6, 1959.

256489. 'C. M. Asnieresii'.**256491.** 'C. M. Bonnierii'.**256490.** 'C. M. Batesonii'.**256492.** 'C. M. Burnnii'.**256493 and 256494.**

From the British West Indies. Seeds presented by R. S. Cowan, Trinidad. Received Apr. 6, 1959.

256493. *ANEMOPAEGMA CHRYSOLEUCUM* (H. B. K.) Sandwith Bignoniaceae.**256494.** *ONOHUALCOA HELIICALYX* (O. Ktze.) Sandwith Bignoniaceae.**256495 to 256501.**

From the United States. Plants presented by the Missouri Botanical Garden, St. Louis, Missouri; now growing at the United States Plant Introduction Station, Glenn Dale, Md. Numbered Apr. 6, 1959.

256495. *ACER CARPINIFOLIUM* Sieb. & Zucc. Aceraceae. **Hornbeam maple.**Formerly from Japan. An ornamental with foliage resembling *Carpinus*.**256496.** *CARPINUS TURZANINOVII* Hance Betulaceae. **Hornbeam.**

Formerly from the Arboretum, Kornik, Poland. A small tree grown for autumnal foliage.

256497. *CORNUS MAS* L. Cornaceae.**Cornelian-cherry.**

Formerly from Ankara, Turkey.

256498. *COTONEASTER RACEMIFLORA* var. *NUMMULARIA* (Fisch. & Mey.) Dipp. Malaceae.

Formerly from Ankara, Turkey. Deciduous species; fruit red, in clusters.

256499. *MAGNOLIA SALICIFOLIA* (Sieb. & Zucc.) Maxim. Magnoliaceae.**Anise magnolia.**

Formerly from Toyama Prefecture, Japan. A variable species.

256500. *PLATANUS ORIENTALIS* L. Platanaceae.**Oriental planetree.**

Formerly from Turkey.

256495 to 256501—Continued

256501. *ROBINIA PSEUDOACACIA* L. Fabaceae. Common locust.

Formerly from Vilmorin-Andrieux Nursery, Paris, France.

A columnar form with the habit of the Lombardy poplar.

256502 and 256503. *ZEPHYRANTHES CANDIDA* (Lindl.) Herb. Amaryllidaceae.

From Chile and Argentina. Bulbs collected and presented by Messrs.

Blood and Tremelling. Numbered Apr. 6, 1959.

256502. Mountain side west of Tucuman, Argentina. Collected April, 1938.

256503. "El Vergel", Angol, Chile.

256504. *ACER CAPILLIPES* Maxim. Aceraceae.

From the United States. Seeds presented by the Missouri Botanical Garden, St. Louis, Missouri. Received Jan., 1958. Numbered Apr. 6, 1959.

Formerly from Rochester, New York.

256505. *CORNUS FLORIDA* var. *URBINIANA* Waug. Cornaceae.

From Mexico. Seed collected by F. G. Meyer, Tamaulipas and Nuevo Leon. Numbered Apr. 6, 1959.

Collected at 5,000 feet elevation.

256506. *FAGUS ORIENTALIS* Lipsky Fagaceae.

From Turkey. Seeds collected by Baki Kasapligil, near Ankara.

Numbered Apr. 6, 1959.

256507. *HAMAMELIS JAPONICA* Sieb. & Zucc. Hamamelidaceae. Japanese witch-hazel.

From Japan. Seeds collected by S. Kirino, Toyama Prefecture.

Received in 1954. Numbered Apr. 6, 1959.

Deciduous shrub to 15 feet high; flowers vary from clear yellow through reddish-yellow. Spring flowering.

256508. *PINUS BUNGEANA* Zucc. Pinaceae. Lacebark pine.

From Korea. Donor unknown. Received in 1955. Numbered Apr. 6, 1959.

Evergreen tree; exfoliating bark white, green beneath.

256509. *PLATANUS ORIENTALIS* L. Platanaceae. Oriental planetree.

From Turkey. Presented by an unknown donor, Ankara. Received in 1954. Numbered Apr. 6, 1959.

256510. *XANTHOCERAS SORBIFOLIA* Bunge Sapindaceae.

From the United States. Seeds presented by the Missouri Botanical Garden, St. Louis, Missouri. Numbered Apr. 6, 1959.

Deciduous shrub to eight feet high; leaves pinnately divided; flowers in terminal racemes, white with a yellow eye. Propagated from root cuttings.

256511. *PINUS HALEPENSIS* var. *BRUTIA* (Ten.) Henry Pinaceae.

From Canada. Seeds presented by Montreal Botanical Garden, Montreal. Received in 1956. Numbered Apr. 6, 1959.

Formerly from the U.S.S.R.

256512 to 256520.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 6, 1959.

From the Botanical Garden, Adelaide.

256512 to 256520—Continued

256512. *CALLISTEMON* sp. Myrtaceae.

Col. No. S-474. Shrub to eight feet high.

256513 and 256514. *CORREA TURNBULLII* E. Ashby Rutaceae.

256513. Col. No. S-437. Open shrub to five feet high; flowers hanging, tubular, red and green.

256514. Col. No. S-449. Shrub to five feet high; flowers red and green.

256515. *DICHOPOGON STRICTUS* Baker Liliaceae.

Col. No. S-433. 'Chocolate Lily'. Bulbous plant to two feet high; flowers pale mauve, in spikes.

256516. *EUCALYPTUS FASCICULOSA* F. Muell. Myrtaceae.

Col. No. S-441. Tree to 50 feet high.

256517. *LAVATERA PLEBEIA* Sims Malvaceae.

Treemallow.

Col. No. S-431. Biennial or perennial herb to 10 feet high; flowers pink or white.

256518. *MYRTUS COMMUNIS* var. *ROMANA* Mill. Myrtaceae.

Col. No. S-432.

256519. *PELARGONIUM ALCHEMILLOIDES* (L.) L'Her. Geraniaceae.

Col. No. S-743. Weedy herb to two feet high; flowers mauve.

256520. *PROSTANTHERA BEHRIANA* Schlecht. Menthaceae.

Col. No. S-442. Shrub to six feet high; foliage gray; flowers pale mauve.

256521 to 256526. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

From Israel. Seeds presented by the Ministry of Agriculture, Agriculture Research Station, Rehovoth. Received Apr. 6, 1959.

256521. 4-S.

256524. 223.

256522. 64A.

256525. B/4.

256523. 101/7.

256526. B/9.

256527 to 256539.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 6, 1959.

256527 to 256533. From Alison Ashby's Garden, Blackwood. December, 1958.

256527. *HAKEA CORYMBOSA* R. Br. Proteaceae.

Col. No. S-492. Shrub to six feet high; heads spiny, dense; flowers greenish.

256528. *LEPTOSPERMUM SCOPARIUM* Forst. Myrtaceae.

Manuka.

Col. No. S-470. Shrub to 10 feet high; flowers bright pink, in dense masses along the stems.

256529. *MELALEUCA MACRONYCHIA* Turz. Myrtaceae.

Col. No. S-440. Shrub to 10 feet high; flowers reddish.

256530. *MELALEUCA PENTAGONA* Labill.

Col. No. S-513. Floriferous shrub to 12 feet high; flower heads pink.

256531. *POMADERRIS FERRUGINEA* Sieb. Rhamnaceae.

Col. No. S-488. Shrub to six feet high; leaves rusty beneath; flowers in clusters, rusty appearing.

256527 to 256539—Continued**256527 to 256533—Continued**

256532. *PHYMATOCARPUS PORPHYROCEPHALUS* F. Muell. Myrtaceae.

Col. No. S-481. Shrub to five feet high resembling *Melaleuca* spp.; flowers reddish, in small heads.

256533. *REGELIA INOPS* Schau. Myrtaceae.

Col. No. S-496. Shrub to four feet high; flowers in heads, mauve-pink.

256534. *DODONAEA BURSARIFOLIA* F. Muell. Sapindaceae.

Col. No. S-444. Glabrous shrub to three feet high; flowers inconspicuous; seed pods small, attractive.

256535. *DODONAEA HUMILIS* Endl.

Col. No. S-439. Low shrubby ground cover; fruits reddish, winged.

256536. *HELICHRYSUM APICULATUM* D. Don. Asteraceae.

Col. No. S-443. Perennial to 18 inches high; foliage gray; flowering stalks in basal rosette; flowers in heads, yellow, everlasting.

256537. *HIBBERTIA STRICTA* R. Br. Dilleniaceae.

Col. No. S-434. Shrub to two feet high; flowers bright yellow.

256538. *LOUDONIA BEHRRI* Schlecht. Halorrhagidaceae.

Col. No. S-436. 'Golden Pennants'. Shrub to 18 inches high; flowers in heads, yellow.

256539. *POMADERRIS OBCORDATA* Fenzl. Rhamnaceae.

Col. No. S-447. Shrub to three feet high; leaves small; flowers in pinkish heads.

256540 to 256542. CYDONIA OBLONGA Mill. Malaceae. **Quince.**

From Great Britain. Rooted layers presented by the East Malling Research Station, Kent, England. Received Apr. 8, 1959.

256540. Quince A.

256541. Quince D.

256542. Quince F.

256543 to 256545. FRAGARIA (hybrids). Rosaceae. **Strawberry.**

From the Netherlands. Plants presented by the Institute Voor de Veredeling van Tuinbouwgewassen, Wageningen. Received Apr. 8, 1959.

256543. 'Komsomolka'.

256544. 'Krasavica Zagorla'.

256545. 'Rosirskaia'.

256546 to 256595.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 9, 1959.

Purchased from G. W. Althofer, Dripstone, New South Wales. January 1959.

256546. *ACACIA BIDENTATA* Benth. Mimosaceae.

Col. No. S-702. Spreading, almost prostrate under shrub; flowers yellow.

256547. *ACACIA MURRAYANA* F. Muell.

Col. No. S-701. Small tree; often very floriferous.

256548. *ACACIA NITIDULA* Benth.

Col. No. S-654. A low diffuse shrub.

256546 to 256595—Continued

256549. *ACACIA UNDULAEFOLIA* var. *HUMILIS* Benth.

Col. No. S-639. Shrub to five feet high; flowers deep cream-colored.

256550. *ANGIANTHUS TOMENTOSUS* Wendl. Asteraceae.

Col. No. S-644. Shrub to six feet high; flowers yellow.

256551. *ASTEROLASIA ASTERICOPHORA* Druce. Rutaceae.

Col. No. S-663. Shrub to three feet high; flowers yellow.

256552. *BALAUSTION MICROPHYLLUM* Chiov. Myrtaceae.

Col. No. S-637. 'Mullewa'. Shrub, flowers red.

256553. *BILLARDIERA CYMOSA* F. Muell. Pittosporaceae.

Col. No. S-545. Evergreen woody vine to 10 feet high; flowers tubular, pale blue-lavender.

256554. *BOSSIAEA HETEROPHYLLA* Vent. Fabaceae.

Col. No. S-704. Shrub to three feet high; stems flattened; flowers brown and yellow.

256555. *CALLISTEMON PINIFOLIUS* (Wendl.) DC. Myrtaceae.

Col. No. S-710 (no date).

256556. *CALYTHRIX DEPRESSA* Turcz. Myrtaceae.

Col. No. S-634. 'Watheroo'. Shrub to three feet high; flowers cream-colored with deep yellow center.

256557. *CALYTHRIX TETRAGONA* Labill.

Col. No. S-638. Shrub to four feet high; flowers white, star-shaped.

256558. *CASSIA CIRCINNATA* Benth. Caesalpiniaceae.

Col. No. S-643. Erect shrub several feet high; leaves phyllodineous; flowers yellow.

256559. *CHORIZEMA DICKSONII* R. Grah. Fabaceae.

Col. No. S-669. Shrub to three feet high; flowers red.

256560. *CONOSPERMUM INCURVUM* Lindl. Proteaceae.

Col. No. S-672. 'Laxiflorum'. Shrub to four feet high.

256561. *DAVIESIA CORDATA* J. E. Sm. Fabaceae.

Col. No. S-668. 'Lesmurdie'. Shrub to six feet high.

256562. *ERYNGIUM ROSTRATUM* Cav. Apiaceae.

Col. No. S-671. 'Molong'. Herb to one foot high; flowers blue.

256563. *EUCALYPTUS BLOXSOMEI* Maiden Myrtaceae.

Col. No. S-744. Tree to 40 feet high.

256564. *EUCALYPTUS CALOPHYLLA* Lindl. Myrtaceae.

Port Gregory gumtree.

Col. No. S-666. Tree to 40 feet high; flowers showy, ranging from white to deep pink.

256565. *EUCALYPTUS EUDESMIOIDES* F. Muell.

Col. No. S-711. Tree to eight feet high; flowers white.

256566. *EUCALYPTUS OBTUSIFLORA* DC.

Col. No. S-642. 'Dendromorpha'. Tree to 40 feet high; trunk whitish and smooth on upper part, scaly at base.

256567. *EUCALYPTUS PYRIFORMIS* Turcz. Myrtaceae.

Col. No. S-706. 'Aurea'. Flowers yellow.

256546 to 256595—Continued

256568. *GOMPHOLOBIUM UNCINATUM* A. Cunn. Fabaceae.
Col. No. S-674. Sub-shrub to one foot high; flowers orange-red.
256569. *GOMPHOLOBIUM VIRGATUM* Sieber Fabaceae.
Col. No. S-675. Shrub to two feet high; flowers clear yellow, with green on the keel.
256570. *GREVILLEA CRITHMIFOLIA* R. Br. Proteaceae.
Col. No. S-657. Shrub to five feet high; flowers creamy-white.
256571. *GREVILLEA PUNICEA* R. Br.
Col. No. S-662. 'Turramurra'. Shrub to five feet high; flowers pink.
256572. *GREVILLEA RAMOSISSIMA* Meissn.
Col. No. S-656. Shrub to three feet high; flowers white, profuse.
256573. *GREVILLEA SYNAPHAE* R. Br. Proteaceae.
Col. No. S-658. 'Bindoon'. Shrub to three feet high; flowers yellow.
256574. *HAKEA MULTILINEATA* Meissn. Proteaceae.
Col. No. S-641. Broad-leaved shrub to 10 feet high; flowers green.
256575. *HELICHRYSUM DIOSMAEFOLIUM* Sw. Asteraceae.
Col. No. S-640. Shrub to five feet high; flowers white, in corymbs.
256576. *HIBBERTIA MONTANA* Steud. Dilleniaceae.
Col. No. S-673. 'Bindoon'. Shrub to five feet high; flowers yellow.
256577. *HIBISCUS MANIHOT* L. Malvaceae.
Col. No. S-677. Shrub to 10 feet high; flowers yellow.
256578. *HOVEA TRISPERMA* Benth. Fabaceae.
Col. No. S-665. Sub-shrub to two feet high; flowers purple.
256579. *IPOPOGON DIVERGENS* R. Br. Proteaceae.
Col. No. S-700. Shrub to five feet high; flowers pink.
256580. *LASIOPETALUM BAUERI* Steetz. Sterculiaceae.
Col. No. S-659. Shrub to three feet high; flowers pink and green.
256581. *LESCHENAULTIA EXPANSA* R. Br. Goodeniaceae.
Col. No. S-661. Sub-shrub to two feet high; flowers china-blue.
256582. *LESCHENAULTIA FORMOSA* R. Br.
Col. No. S-655. Woody perennial to two feet high; flowers scarlet red.
256583. *MARIANTHUS ERUBESCENS* Putterl. Pittosporaceae.
Col. No. S-652. 'Ruby Bell Creeper'. Vine; flowers red, bell-shaped.
256584. *MELALEUCA SUBTRIGONA* Schau. Myrtaceae.
Col. No. S-741. Shrub to five feet high.
256585. *MELALEUCA TERETIFOLIA* Endl.
Col. No. S-699. Shrub to eight feet high; flowers white.
256586. *MELALEUCA WEBSTERI* S. Moore
Col. No. S-698. Shrub to 10 feet high; flowers cream-colored.
256587. *OLEARIA* sp. Asteraceae.
Col. No. S-649. Shrub to three feet high; flowers lavender-blue.
256588. *OLEARIA FLORIBUNDA* Benth.
Col. No. S-707. Shrub to three feet high; flowers blue.

256546 to 256595—Continued

256589. *PANDOREA OXLEYI* Domin Bignoniaceae.

Col. No. S-705. Twining vine, sometimes shrubby; flowers whitish.

256590. *PELARGONIUM AUSTRALE* Jacq. Geraniaceae.

Col. No. S-709. Short-lived herbaceous perennial; flowers pinkish-mauve.

256591. *PROSTANTHERA NIVEA* A. Cunn. Menthaceae.

Co. No. S-676. Shrub to eight feet high; flowers white.

256592. *RULINGIA PANNOSA* R. Br. Sterculiaceae.

Col. No. S-663. Shrub to three feet high.

256593. *THYSANOTUS MULTIFLORUS* R. Br. Liliaceae.

Col. No. S-670. 'Fringe Lily'. Herb to 18 inches high; flowers violet; margins fringed.

256594. *VERONICA PERFOLIATA* R. Br. Scrophulariaceae.

Col. No. S-527. Sprawling subshrub to three feet high; leaves gray, perfoliate; flowers deep violet.

256595. *VERTICORDIA PHOLIDOPHYLLA* F. Muell. Myrtaceae.

Col. No. S-667. Shrub to four feet high; flowers pink and white.

256596. *HORDEUM* sp. Poaceae.

From Sweden. Seeds presented by W. Weibull, A. B., Landskrona. Received Apr. 9, 1959.

256597 and 256598.

From Panama. Seeds presented by the United States Operations Mission, Panama City. Received Apr. 9, 1959.

Wild on the slopes of Cerro Azul, Province of Panama.

256597. *DIOCLEA* sp. Fabaceae.

256598. *PHASEOLUS* sp. Fabaceae.

256599 to 256609.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received April 9, 1959.

Near Coonaplyn, New South Wales.

256599. *CALLITRIS ROBUSTA* (Parl.) F. M. Bailey Pinaceae.

Co. No. S-484. 'Native Pine'. Xerophytic tree to 20 feet high; foliage fresh, green, under dry conditions.

256600. *CALYTRIX TETRAGONA* Labill. Myrtaceae.

Col. No. S-480. Shrub to three feet high; foliage small, needlelike; flowers star-shaped, white to pink, in dense heads.

256601. *CASUARINA DISTYLA* Vent. Casuarinaceae.

Col. No. S-490. Shrub to eight feet high, new growth has coppery coloring.

256602. *DODONAEA HEXANDRA* F. Muell. Sapindaceae.

Col. No. S-511. Slender intricate shrub to three feet high; leaves nearly filiform.

256603. *HAKEA MUELLERIANA* J. M. Black Proteaceae.

Col. No. S-491. Shrub to six feet high; foliage sharp, pointed; flowers white, in masses.

256604. *IONIDIUM FLORIBUNDUM* (Lindl.) Walp. Violaceae.

Col. No. S-610. Shrub to two feet high; flowers blue and yellow.

256599 to 256609—Continued

256605. *LASIOPETALUM BEHRRI* F. Muell. Sterculiaceae.

Col. No. S-498. Shrub to three feet high; leaves thick; flowers pinkish-green.

256606. *OLEARIA CILIATA* F. Muell. Asteraceae.

Col. No. S-482. Subshrub; foliage finely cut; flowers daisylike, violet with yellow center.

256607. *PIMELEA GLAUCA* R. Br. Thymelaeaceae.

Col. No. S-486. Shrub to two feet high; flowers white, in heads.

256608. *PIMELEA OCTOPHYLLA* R. Br.

Col. No. S-487. Shrub to two feet high; flowers in fluffy heads, creamy-white.

256609. *WESTRINGIA EREMICOLA* A. Cunn. Menthaceae.

Col. No. S-489. Shrub to three feet high; flowers mauve, similar to *Eremophila*.

256610 to 256614. PLATANUS ORIENTALIS L. Platanaceae.**Oriental planetree.**

From Iran. Seeds presented by the Research Center of Forest Ecology, Novchahr. Received Apr. 6, 1959.

From Agricultural College of Karadj, December, 1958.

256610. No. 1.

256613. No. 4.

256611. No. 2.

256614. No. 5.

256612. No. 3.

256615 to 256629. SORGHUM BICOLOR (L.) Moench Poaceae.

From India. Seeds presented by the United States Embassy, New Delhi. Received Apr. 9, 1959.

256615. No. 1.

256623. No. 9.

256616. No. 2.

256624. No. 10.

256617. No. 3.

256625. No. 11.

256618. No. 4.

256626. No. 12.

256619. No. 5.

256627. No. 13.

256620. No. 6.

256628. No. 14.

256621. No. 7.

256629. No. 15.

256622. No. 8.

256630 to 256664.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 4, 1959.

256630. *ACACIA CASIELLA* Maid. & Blakely Mimosaceae.

Col. No. S-52. Mudgee, N.S.W. Compact, tall, spreading shrub; foliage glaucous; flowers pale yellow, in masses.

256631. *ANIGOZANTHOS HUMILIS* Lindl. Amaryllidaceae.

Col. No. S-236. 'Yellow Cat's Paw'. North of Moora, Victoria. Perennial herb to 12 inches high; flowers clear yellow.

256632 to 256635. Wimmera Forest Nursery, Wimmera, Victoria.

256632. *ACACIA MONTANA* Benth. Mimosaceae.

Col. No. S-198. Grown in heavy soils with 14 to 15 inches rainfall. Shrub to eight feet high; flowers yellow.

256630 to 256664—Continued**256632 to 256635—Continued**

256633. *ACACIA MYRTIFOLIA* (Sm.) Willd.

Col. No. S-196. Diffuse shrub to eight feet high, and three feet across; flowers pale yellow.

256634. *ACACIA TRINEURA* F. Muell.

Col. No. S-192. 'Three Nerved Acacia'. Tree to 12 feet high; trunk to seven inches in diameter; foliage graceful sometimes pendulous; flowers bright yellow.

256635. *LAURENTIA AXILLARIS* (Lindl.) E. Wimm. Campanulaceae.

Col. No. S-211. Herbaceous ground cover; flowers numerous, campanulate, pure white to mauve, almost to blue.

256636 to 256664. Victoria.

256636. *ACACIA ACULEATISSIMA* Macbride Mimosaceae.

Col. No. S-247. Prostrate shrub to 12 inches high; phyllodes pungent linear, under 0.5 inch long; flowers yellow.

256637. *ACACIA ASPERA* Lindl.

Col. No. S-459. Brisbane Ranges. Spreading shrub or small tree to seven feet high and eight feet across; branches numerous; phyllodes linear to linear-lanceolate; flowers bright yellow; pods and foliage covered with very sticky glandular trichomes.

256638. *ACACIA DRUMMONDII* Benth.

Col. No. S-229. State Nursery, Wail. Shrub to six feet high; foliage small, bipinnate, light green; flowers in spikes, about one inch long, golden yellow.

256639. *ACACIA GLANDULICARPA* F. M. Reader

Col. No. S-234. State Nursery, Wail. Compact symmetrical shrub to five feet high and eight feet across; phyllodes about 0.75 inch long, undulate, deep green; flowers golden-yellow.

256640. *ACACIA ULICIFOLIA* (Salisb.) A. B. Court

Col. No. S-303. A. E. Lindner's garden, Vectis South. Congested and compact dwarf shrub; foliage bright green; phyllodes to one inch long, terete; flowers pale yellow.

256641. *AGONIS JUNIPERINA* Schau. Myrtaceae.

Col. No. S-453. A. E. Lindner's garden, Vectis South. Tree to 20 feet high; branches spreading, pendulous towards their extremities; leaves linear; flowers white, small.

256642. *ANGUILLARIA DIOICA* R. Br. Myrsinaceae.

Col. No. S-289. About 0.5 mile south of Montrose, Dandenong Ranges. Small annual; leaves sheathing; flowers white, about 0.75 inch across.

256643. *ANTHOCERCIS FRONDOSA* (Miers) J. M. Black Solanaceae.

Col. No. S-304. Mt. Zero-Halls Gap road, Grampians. Erect tree or shrub to eight feet high; leaves light green; flowers white.

256644. *BEYERIA OPACA* F. Muell. Euphorbiaceae.

Col. No. S-222. State Nursery. Erect viscid shrub to six feet high; leaves to one inch long; flowers small, white or creamy-yellow.

256645. *CALLISTEMON MACROPUNCTATUS* (DuRoi) Cours A. B. Court Myrtaceae.

Col. No. S-240. A. E. Lindner's garden, Vectis South. Shrub to 10 feet high; leaves rigid, to three inches long, pungent; flowers bright red, in clusters along the stems.

256630 to 256664—Continued

256636 to 256664—Continued

256646. *CALOTHAMNUS SCHAUERI* Lehm. Myrtaceae.

Col. No. S-293. A. E. Lindner's garden, Vectis South. Erect shrub to five feet high; branches numerous; leaves to eight inches long, terete; flowers blood red. Suitable for areas with 15 to 20 inches rainfall.

256647. *CASUARINA DISTYLA* Vent. Casuarinaceae.

Col. No. S-217. Wail State Forest Nursery, Wail. Spreading shrub to eight feet high; branches and foliage graceful, usually pendulous.

256648. *CORREA AEMULA* (Lindl.) F. Muell. Rutaceae.

Col. No. S-237. A. E. Lindner's garden, Vectis South. Open shrub to five feet high; leaves to three inches long, rather rough; flowers blue-green, pendulous.

256649. *DROSERA AURICULATA* Backh. Droseraceae.

Col. No. S-238. Halls Gap-Wartook road, Grampians. Elevation 1,500 feet. Small herbaceous plant to 12 inches high; leaves edged with glandular sticky hairs; flowers 0.5 inch across, white.

256650. *EREMOPHILA MACULATA* (Ker) F. Muell. Myoporaceae.

Col. No. S-294. A. E. Lindner's garden, Vectis South. Spreading shrub to 10 feet high; leaves to one inch long, lanceolate; flowers large, axillary, whitish or pink, sometimes tinged with yellow, with pink or purple spots inside corolla.

256651. *ERIOSTEMON GRACILE* R. Graham Rutaceae.

Col. No. S-290. Golton's Gorge, Grampians. Shrub to four feet high; leaves to 0.5 inch long, light green; flowers white, waxy.

256652. *ERIOSTEMON GRACILE* R. Graham

Col. No. S-292. R. Mair's garden, Halls Gap, Grampians. Shrub three feet high and three feet across; leaves light green; flowers white, waxy.

256653. *ERIOSTEMON OBOVALIS* A. Cunn. Rutaceae.

Col. No. S-300. Mt. Arapiles. Spreading shrub to seven feet high; foliage dense; leaves light green, tuberculate, somewhat rolled; flowers white or pale pink, profuse, waxy.

256654. *GREVILLEA STEIGLITZIANA* N. A. Wakefield Proteaceae.

Col. No. S-458. Brisbane Ranges. Shrub to four feet high and eight feet across; lower branches sometimes trailing; foliage hollylike, light green; flowers red and green.

256655. *HAKEA LISSOCARPHA* R. Br. Proteaceae.

Col. No. S-291. A. E. Lindner's Nursery, Vectis South. Densely branched shrub to three feet high; flowers pink.

256656. *HAKEA PURPUREA* Hook.

Col. No. S-226. State Nursery. Rigid, almost glabrous shrub; foliage bright green, leaves terete; flowers purple, in sessile or short axillary umbels.

256657. *HAKEA RUSCIFOLIA* Labill.

Col. No. S-244. A. E. Lindner's garden, Vectis South. Erect shrub to eight feet high; foliage rigid, pungent; flowers white, in dense clusters along upper portion of stem.

256658. *MELALEUCA LAXIFLORA* Turcz. Myrtaceae.

Col. No. S-223. State Nursery, Wail. Erect shrub to five feet high; leaves to one inch long; flowers clustered, purple-red or red.

256630 to 256664—Continued**256636 to 256664—Continued**

256659. *OLEARIA ERUBESCENS* (DC.) Dippel Asteraceae.

Col. No. S-298. Mt. Dandenong, Dandenong Ranges. Erect plant to eight feet high; leaves glossy green, to two inches long; flowers white, becoming pale pink as they age, borne in large heads.

256660. *OLEARIA PHLOGOPAPPA* (Labill.) DC.

Col. No. S-219. State Nursery, Wail. Shrub to seven feet high; leaves to one inch long; flowers in terminal heads, white.

256661. *PERSOONIA JUNIPERINA* Labill. Proteaceae.

Col. No. S-232. Wail State Forest Nursery, Wail. Shrub to seven feet high and four feet wide; foliage bright green, dense; leaves pungent; flowers yellow, small.

256662. *PIMELEA LIGUSTRINA* Labill. Thymelaeaceae.

Col. No. S-295. Sherbrooke State Forest, Dandenong Ranges. Open shrub to eight feet high and four feet across; leaves to 1.5 inches long; flowers in dense semiglobose clusters, white or creamy white, woolly.

256663. *SPRENGELIA INCARNATA* Sm. Epacridaceae.

Col. No. S-457. Near terminus of Sundial Peak Road, Grampians. Erect plant to five feet high; branches few; leaves crowded, shining green; flowers pink or white; inflorescence dense.

256664. *THOMASIA MACROCARPA* Hueg. Sterculiaceae.

Col. No. S-224. State Nursery, Wail. Bushy shrub to five feet high; flowers large, purple.

256665 and 256666.

From Brazil. Plants collected by W. C. Gregory, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 10, 1959.

256665. *ARISTOLOCHIA* sp. Aristolochiaceae.

Col. No. 9884. Sandy soil, 52 km. from Rio Verde, road to Cuiabu, Mato Grosso. Climbing perennial.

256666. *HOLOSTYLIS RENIFORMIS* Duch. Aristolochiaceae.

Col. No. 9902. Red gravel marshland, 176 km. north of Sao Lournco, road to Cuiabu. Low perennial with basal flowers and fruits.

256667 to 256729.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 10, 1959.

From Botanic Garden, Adelaide, South Australia.

256667. *ACACIA ESTROPHIOLATA* F. Muell. Mimosaceae.

Col. No. S-312. Tree to 20 feet high; branches pendulous.

256668. *ACACIA EUTHYCARPA* J. M. Black.

Col. No. S-313. Open shrub to six feet high.

256669. *AMMOBIUM ALATUM* R. Br. Asteraceae.

Col. No. S-323. Annual to three feet high; flowers white.

256670. *ASTARTEA FASCICULARIS* DC. Myrtaceae.

Col. No. S-324. Shrub to six feet high; flowers small, white.

256671. *BABBAGIA DIPTEROCARPA* F. Muell. Chenopodiaceae.

Col. No. S-326. Shrub to 18 inches high.

256667 to 256729—Continued

256672. *BACKHOUSIA ANGUSTIFOLIA* F. Muell. Myrtaceae.

Col. No. S-327. Evergreen tree to 20 feet high.

256673. *BAECKEA BEHRII* F. Muell. Myrtaceae.

Col. No. S-328. Shrub to six feet high; flowers white. Used as brush fences in Victoria.

256674. *BAECKEA CAMPHOROSMAE* Endl.

Col. No. S-329. Shrub to two feet high; flowers small, pink, in spikes.

256675. *BASSIA PARADOXA* F. Muell. Chenopodiaceae.

Col. No. S-330. Small woolly shrub; fruit spiny.

256676. *BILLARDIERA CYMOSA* F. Muell. Pittosporaceae.

Col. No. S-331. Low twining shrub; flowers white, pink or mauve.

256677. *BLENNODIA PTEROSPERMA* J. M. Black. Brassicaceae.

Col. No. S-407. 'Native Stock'. Annual to two feet high; flowers white to pink, fragrant.

256678. *BORONIA PINNATA* Smith Rutaceae.

Col. No. S-703. Purchased from G. W. Althofer, Dripstone, New South Wales.

256679. *BURSARIA SPINOSA* Cav. Pittosporaceae.

Col. No. S-408. 'Native Box'. Shrub or small tree; flowers small, white, in large panicles in midsummer.

256680. *CALLISTEMON SALIGNUS* DC. Myrtaceae.

Col. No. S-385. 'Australis'. Shrub with large white bottlebrushes.

256681. *CASSINIA ACULEATA* R. Br. Asteraceae.

Col. No. S-409. Shrub to three feet high; leaves small.

256682. *EREMOPHILA GLABRA* Ostenf. Myoporaceae.

Col. No. S-415. 'Tar Bush'. Shrub to four feet high; leaves gray-green; flowers reddish.

256683. *EREMOPHILA GLABRA* var. *VIRIDIFLORA* F. Muell.

Col. No. S-416. Shrub to three feet high; foliage woolly; flowers green.

256684. *EREMOPHILA MACULATA* (Ker) F. Muell.

Col. No. S-418. 'Native Fuchsia'. Shrub to four feet high; flowers yellow or red, showy.

256685. *EUCALYPTUS CONCINNA* Maid. & Blakely Myrtaceae.

Col. No. S-341. Tree to 10 feet high.

256686. *EUCALYPTUS DREPANOPHYLLA* F. Muell.

Col. No. S-507. 'Bowen Ironbark'. Tree to 100 feet high.

256687. *EUCALYPTUS GILLII* Maid.

Col. No. S-342. 'Curly Mallee'. Tree to 15 feet high; leaves gray; flowers greenish-cream.

256688. *EUCALYPTUS PILLIGAENSIS* Maid.

Col. No. S-504. 'Narrow leaved Box'. Slender tree to 50 feet high; bark whitish-gray.

256689. *EUCALYPTUS PLATYPUS* var. *HETEROPHYLLA* Blakely.

Col. No. S-503. 'Round-leaved Moort'. Tree to 30 feet high; branching only at top; flowers green.

256667 to 256729—Continued

256690. *EUCALYPTUS TRANSCONTINENTALIS* Maid. & Blakely

Col. No. S-344. Tree to 15 feet high.

256691. *EUGENIA FRANCISII* F. M. Bailey.

Col. No. S-392. Tree to 50 feet high; leaves bright-green, glossy; flowers white; berries purple.

256692. *EUSTREPHUS LATIFOLIUS* R. Br. Liliaceae.

Col. No. S-391. 'Dombat Berry'. Climber; flowers small, white; berries bright orange.

256693. *EUTAXIA MICROPHYLLA* J. M. Black Fabaceae.

Col. No. S-334. Shrub to three feet high; leaves small; flowers orange and yellow.

256694. *FICUS BAILEYANA* Domin Moraceae.

Col. No. S-335. Large tree, similar to *F. macrophylla*, with small leaves.

256695. *GEITONOPLESIMUM CYMOSUM* A. Cunn. Liliaceae.

Col. No. S-336. 'Scrambling Lily'. Scrambling plant; flowers small, white; berries black.

256696. *HAKEA CYCLOPTERA* R. Br. Proteaceae.

Col. No. S-348. Prickly shrub to six feet high; flowers small, white.

256697. *HELIPTERUM ROSEUM* Benth. Asteraceae.

Col. No. S-395. 'Maculatum'. Annual to two feet high; flowers pink, everlasting.

256698. *HOWITTIA TRILOCULARIS* F. Muell. Malvaceae.

Col. No. S-366. Shrub to 10 feet high; flowers mauve.

256699. *INDIGOFERA BREVIDENS* Benth. Fabaceae.

Col. No. S-367. Small shrub; leaves light green; flowers in spikes, deep-pink, in spring.

256700. *ISOPOGON CERATOPHYLLUS* R. Br. Proteaceae.

Col. No. S-368. Low, dense, prickly shrub; flowers yellow, in heads nestled in the foliage.

256701. *ISOTOMA PETRAEA* F. Muell. Campanulaceae.

Col. No. S-369. Plant to 18 inches high; flowers pink or mauve.

256702. *KOCHIA PENTATROPIS* Tate Chenopodiaceae.

Col. No. S-397. Shrub to two feet high.

256703. *LEPTOSPERMUM MYRSINOIDES* Schlecht. Myrtaceae.

Col. No. S-371. Shrub to four feet high; flowers white, in spikes.

256704. *MELALEUCA ANGUSTIFOLIA* Gaertn. Myrtaceae.

Col. No. S-425. (No data.)

256705. *MELALEUCA CHEELII* C. T. White

Col. No. S-424. Spreading tree to 10 feet high; flowers creamy-white, in short terminal spikes.

256706. *MELALEUCA LEUCADENDRON* L.

Cajeput-tree.

Col. No. S-421. Dense, silvery tree to 30 feet high; bark white, papery, peeling off in layers; flowers white or pale yellow, in spikes to four inches long. Drooping habit.

256707. *MELALEUCA MICROPHYLLA* Sm.

Col. No. S-374. Weeping shrub to eight feet high; foliage heathlike; lebot-brushes small, greenish-yellow.

256667 to 256729—Continued

256708. *MELALEUCA MINUTIFOLIA* F. Muell.

Col. No. S-422. Diffuse tree to 15 feet high; bark papery white; leaves small, scalelike; flowers in short cylindrical heads.

256709. *MYOPORUM PLATYCARPUM* R. Br. Myoporaceae.

Col. No. S-332. 'Sugar wood'. Small tree; leaves light green; flowers small, white.

256710. *MYOPORUM SERRATUM* R. Br.

Col. No. S-333. Shrub to six feet high; leaves sticky; flowers small, white.

256711. *NOTELAEAE LONGIFOLIA* Vent. Oleaceae.

Col. No. S-379. Shrub; leaves deep-green, lanceolate; flowers small; berries large, white, pearllike.

256712. *OLEARIA MUELLERI* Benth. Oleaceae.

Col. No. S-310. Small glutinous shrub; leaves cuneate; flowers small, white daisy.

256713. *PATERSONIA LONGISCAPA* Sweet Iridaceae.

Col. No. S-353. 'Native Iris'. Swampy areas. Plant irislike, forming clumps; flowers long-stemmed, purple.

256714. *PETALOSTYLIS LABICHEOIDES* R. Br. Fabaceae.

Col. No. 354. Shrub to six feet high; flowers orange marked with red.

256715. *PHOLIDIA SANTALINA* F. Muell. Myoporaceae.

Col. No. S-419. Erect shrub; flowers whitish.

256716. *PIMELEA PAUCIFLORA* R. Br. Thymelaeaceae.

Col. No. S-728. Mt. Kosciusko. Shrub to eight feet high; flowers whitish.

256717. *POMADERIS FERRUGINEA* Sieb. Rhamnaceae.

Col. No. S-355. Shrub; leaves rusty-colored, tomentose, flowers in large heads, yellowish.

256718. *PROSTANTHERA STRIATIFLORA* F. Muell. Menthaceae.

Col. No. S-358. Shrub to eight feet high; flowers white, purple stripe in throat, in masses.

256719. *REGELIA GRANDIFLORA* Benth. Myrtaceae.

Col. No. S-360. Tall shrub; leaves gray; flowers blood-red, tipped with gold.

256720. *RUMEX ROSEUS* L. Polygonaceae.

Col. No. 400. 'Rosy Dock'; 'Wild Hops'. Succulent plant to two feet high; fruits bright rose, in heads.

256721. *SCAEVOLA COLLARIS* F. Muell. Goodeniaceae.

Col. No. S-401. Saline areas. Small shrub; flowers yellowish.

256722. *SOLANUM PETROPHILUM* F. Muell. Solanaceae.

Col. No. S-403. Prickly annual; flowers purple, large.

256723. *SOLANUM STURTIANUM* F. Muell.

Col. No. S-404. Shrub to four feet high; flowers purple; berries orange and black.

256724. *SWAINSONA CANESCENS* (Benth.) F. Muell. Fabaceae.

Col. No. S-405. Low growing plant similar to *Clianthus formosus*, flowers pink, in spikes.

256725. *TEUCRIUM CORYMBOSUM* R. Br. Menthaceae.

Col. No. S-362. Small shrub; leaves gray; flowers white, in spikes.

256667 to 256729—Continued

256726. *TRACHYMENE COERULEA* R. Grah. Apiaceae.

Col. No. S-363. 'Blue Lace Flower'. Annual to three feet high; flowers pale blue.

256727. *TRICHINIUM EXALTATUM* Benth. Amaranthaceae.

Col. No. S-398. Annual; leaves succulent; flowers in long spikes, mauve-pink.

256728. *TRICHINIUM NOBILE* Lindl.

Col. No. S-359. Annual; leaves succulent; flowers in spikes, red.

256729. *VERONICA DERWENTIA* Andr. Scrophulariaceae.

Col. No. S-406. Tall perennial; flowers in long spikes, mauve.

256730. *IPOMOEA* sp. Convolvulaceae.

From the Union of South Africa. Seeds presented by Parkhouse and Sons, Utrecht, Natal. Received Apr. 13, 1959.

Growing in pastures. Yamlike creeper; flowers pink. It tends to prevent erosion in gullies.

256731 to 256733.

From the United States. Plants growing at the Regional Plant Introduction Station, Geneva, New York. Numbered Apr. 13, 1959.

256731. *TRIFOLIUM FRAGIFERUM* L. Fabaceae.

Strawberry clover.

G.847b. Selection from P.I. 204511, *T. repens*, from Turkey. Plant semi-prostrate, medium vigor, to 3.5 inches high and 21 inches wide, early maturity, hardy, spring recovery poor; stolons many; leaves small.

256732 and 256733. *TRIFOLIUM REPENS* L.

Whiteclover.

256732. G.848b. Selection from P.I. 204512, *T. pratense*, from Turkey. Plant medium vigor, to four inches high and 22 inches wide, late maturity, hardy; leaves small, medium spring recovery, stolons reddish.

256733. G.5057b. Selection from P.I. 228372, *T. ambiguum*, from Iran. Plant semiprostrate, vigor poor, to two inches high and 30 inches wide late maturity, hardy, fair spring recovery; stolons fine; leaves small.

256734 to 256741.

From the British West Indies. Seeds presented by R. S. Cowan, Port of Spain. Received Apr. 13, 1959.

256734. *ANDIRA INERMIS* (Sw.) H. B. K. Fabaceae.

256735. *CASSIA GRANDIS* L. f. Caesalpiniaceae.

256736. *CATESBAEA* sp. Rubiaceae.

256737. *PITCAIRNIA INTEGRIFOLIA* Ker Bromeliaceae.

256738. *PORTLANDIA GRANDIFLORA* L. Rubiaceae.

256739. *CAMASSIA* sp. Liliaceae.

256740. *RAVENIA SPECTABILIS* (Lindl.) Engler Rutaceae.

256741. *STIFFTIA CHRYSANTHA* Mikan Asteraceae.

256742 to 256744.

From Mexico. Tubers presented by D. K. Cox, Syntex, S.A., Mexico, D.F. Received March 1958. Numbered Apr. 13, 1959.

256742. *DIOSCOREA FLORIBUNDA* Mart. & Gal. Dioscoreaceae.

DKC 192 U. Formerly from Finca Panama, Guatemala.

256743 and 256744. *DIOSCOREA SPICULIFLORA* Hemsl.

256743. No. 16406, G 9. Chiapas.

256744. CR 4238. Chiapas.

256745 and 256746.

From Mexico. Tubers collected by Bernice G. Schubert, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Numbered Apr. 13, 1959.

256745. *Dioscorea* sp. Dioscoreaceae.

Col. No. 1601. Roadside tree, Merida-Sisal road, two km. from Hucnucma, Yucatan. Leaves large; sinus broad.

256746. *Dioscorea* sp.

Col. No. 1747. Roadside trees, Km. 1120, Chiapa de Corzo-San Cristobal road, Chiapas.

256747 to 256799.

From Australia. Seeds collected by G. H. Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Apr. 13, 1959.

256747. *Acacia mitchellii* Benth. Mimosaceae.

Col. No. S-465. Brisbane Ranges, Victoria. Diffuse shrub to seven feet high; foliage bipinnate, bright green; leaflets small; flowers globular, pale yellow.

256748. *Acacia ferocior* Maid.

Col. No. S-742. Greenhead road near Coorow, Victoria. Spiny shrub to two feet high, three feet across.

256749. *Ajuga australis* R. Br. Menthaceae.

Col. No. S-740. Island Bend, N.S.W. Herbaceous perennial to about eight inches high; flowers lavender-blue.

256750. *Angophora costata* Britten Myrtaceae.

Col. No. S-516. Pymble, N.S.W. Red-barked tree resembling a eucalyptus; flowers white, profuse.

256751. *Astroloma pinifolium* (R. Br.) Benth. Epacridaceae.

Col. No. S-464. Northern end of Grampians, Mount Zero, Victoria. Erect shrub to four feet high, four feet across; leaves small, needlelike, crowded; flowers green and yellow.

256752. *Banksia integrifolia* L. f. Proteaceae.

Col. No. S-750. Ten miles west of Hall's Gap, Victoria. Tree to 12 feet high.

256753. *Bedfordia salicina* DC. Asteraceae.

Col. No. S-714. Blundell's Creek road. Broad-leaved evergreen shrub to 10 feet high; flowers inconspicuous.

256754. *Brachycome scapigera* (Spreng.) DC. Asteraceae.

Col. No. S-735. Swampy ground, Rennix Gap, Mount Kosciusko, N.S.W. Herb; flowers white, large.

256755. *Brachycome sieberi* DC.

Col. No. S-730. Mount Franklin road, A.C.T. Perennial herb; leaves in rosettes; flowers lavender, one inch diameter on 12-inch stems.

256756. *Callistemon sieberi* DC. Myrtaceae.

Col. No. S-718. Mount Kosciusko. Shrub to 18 inches high.

256757. *Casuarina equisetifolia* L. Casuarinaceae. **Horsetail-tree.**

Col. No. S-696. Near Southport, Queensland. Tree to 20 feet high; foliage dark green.

256758. *Casuarina torulosa* Ait.

Col. No. S-695. Beechmont-Binna Burra road, Queensland. Tree to 20 feet high.

256747 to 256799—Continued

256759. *CRASPEDIA UNIFLORA* Forst. f. Asteraceae.

Col. No. S-751. Mount Franklin road, A.C.T. Perennial herb; leaves in basal rosettes, glaucous; flowers large, yellow, on stems 15 inches high.

256760. *DORYANTHES EXCELSA* Correa Amaryllidaceae.

Col. No. S-532. Pymble, N.S.W. Leaves long, straplike, in large rosettes; flowers red, on stalks to 12 feet high.

256761. *EUCALYPTUS NIPHOPHILA* Maiden & Blakely Myrtaceae.

Col. No. S-723. Perishes Gap, Mount Kosciusko, N.S.W.

256762. *EUCALYPTUS PERRINIANA* Rodway

Col. No. S-725. Guthega road, N.S.W. Elevation 5,000 feet. Tree to 20 feet high.

256763. *EUPHRASIA COLLINA* R. Br. Scrophulariaceae.

Col. No. S-716. Mount Ginini, N.S.W. Elevation 5,000 feet. Perennial herb to 15 inches high; flowers pale lavender.

256764. *EREMAEA ACUTIFOLIA* F. Muell. Myrtaceae.

Col. No. S-721. F. C. Payne's garden, Athelstone, Southern Australia. Small shrub resembling a *melaleuca*; flowers in small heads, orange.

256765. *EXOCARPUS CUPRESSIFORMIS* Labill. Santalaceae.

Col. No. S-721. Brindabella road, A.C.T. Elevation 3,200 feet. Tree to 20 feet high; foliage attractive; berries red. Parasite.

256766. *GREVILLEA FLORIBUNDA* R. Br. Proteaceae.

Col. No. S-462. Brisbane ranges, Victoria. Open shrub or small tree leaves woolly, to 1.5 inches long; flowers golden-yellow.

256767. *GREVILLEA TRITERNATA* R. Br.

Col. No. S-746. Hard sandstone ridges, Goonoo Forest, 18 miles from Dubbo, N.S.W. Shrub to three feet high; flowers white, in racemes.

256768. *HAKEA* sp. Proteaceae.

Col. No. S-745. Miss Alison Ashby's garden, Blackwood, South Australia.

256769. *VERONICA PERFOLIATA* R. Br. Scrophulariaceae.

Col. No. S-720. Five Crossings, A.C.T. Woody shrub to two feet high; leaves gray, perfoliate; flowers violet.

256770. *HELICHRYSUM STIRLINGII* F. Muell. Asteraceae.

Col. No. S-722. Bendora to Bullshead, A.C.T. Diffuse shrub to seven feet high; flowers white.

256771. *HELICHRYSUM* sp. Asteraceae.

Col. No. S-773. Lookout between the Creel and Wilson's Valley, Mount Kosciusko, N.S.W. Shrub to five feet high; flowers white, in corymbs.

256772. *HELIPTERUM INCANUM* DC. Asteraceae.

Col. No. S-738. Mount Franklin Road, A.C.T. Perennial herb to eight inches high; flowers white; bracts flushed purple.

256773. *HOVEA* sp. Fabaceae.

Col. No. S-717. Bullshead Road, A.C.T. Shrub to five feet high; flowers mauve.

256774. *IPOGON DAWSONII* R. T. Baker Proteaceae.

Col. No. S-534. A. E. Lindner's garden, South Vectis, Victoria. Shrub to 12 feet high; flowers yellow.

256747 to 256799—Continued

256775. *ISOPOGON* sp. Proteaceae.

Col. No. S-747. Buntine road, 17 miles east of Marchagee, Western Australia. Round shrub to six feet high; young stems yellow; leaves flat, toothed or divided, yellow-green.

256776. *LEPTOSPERMUM ROTUNDIFOLIUM* Domin Myrtaceae.

Col. No. S-535. A. E. Lindner's garden, South Vectis, Victoria. Shrub to 12 feet high; leaves round, flowers cream-colored, to one inch across.

256777. *LEUCOPOGON RICHEY* R. Br. Epacridaceae.

Col. No. S-438. The Coorong, South Australia. Shrub to six feet high; foliage dense; flowers white; fruits white.

256778. *LISSANTHE MONTANA* R. Br. Epacridaceae.

Col. No. S-715. Mount Franklin Road, A.C.T. Shrub to 12 feet high; flowers white; berries red.

256779. *LOBELIA RHOMBIFOLIA* de Vriese Campanulaceae.

Col. No. S-461. Northern slopes, Dandenong ranges, between Montrose and Kalorama, Victoria. Annual rainfall to 45 inches. Herb to 10 inches high; flowers ultramarine.

256780. *MYOPORUM DESERTII* A. Cunn. Myoporaceae.

Col. No. S-530. Mendooran road, seven miles from Dubbo, N.S.W. Tree to 25 feet high.

256781. *OLEARIA ARGOPHYLLA* (Labill.) F. Muell. Asteraceae.

Col. No. S-713. Two Sticks road, Blue Range, A.C.T. Evergreen shrub to 15 feet high; flowers white.

256782. *OLEARIA ERUBESCENS* (DC.) Dippel

Col. No. S-726. Mount Franklin Road, A.C.T. Evergreen shrub to three feet high; young shoots red; flowers white.

256783. *OLEARIA FLORIBUNDA* Benth.

Col. No. S-748. Mount Ginini, A.C.T. Elevation 4,500 feet. Evergreen shrub to four feet high; flowers white, small.

256784. *OLEARIA LYRATA* Hutchinson

Col. No. S-724. Blundell's Creek Road, A.C.T. Evergreen shrub to five feet high; flowers white. Frost hardy.

256785. *OLEARIA MEGAPHYLLA* F. Muell.

Col. No. S-712. Bullshead road, A.C.T. Evergreen shrub to four feet high; leaves glossy; flowers white.

256786. *OLEARIA MYRSINOIDES* (Labill.) F. Muell.

Col. No. S-749. Mount Franklin Road, A.C.T. Elevation 4,500 feet. Shrub to three feet high; flowers white.

256787. *OLEARIA STELLULATA* (Labill.) DC.

Col. No. S-734. Mount Kosciusko, N.S.W. Shrub to three feet high; flowers white, attractive.

256788. *PERSOONIA SALICINA* Pers. Proteaceae.

Col. No. S-521. Near Pymble, N.S.W. Tall shrub; leaves lanceolate, to eight inches long.

256789. *PIMELEA LIGUSTRINA* Labill. Thymelaeaceae.

Col. No. S-737. Gutheca road, near Perisher Creek, N.S.W. Evergreen shrub to four feet high; flowers in heads, white.

256747 to 256799—Continued**256790.** *PIMELEA LINIFOLIA* J. E. Sm.

Col. No. S-719. Mount Franklin road, A.C.T. Shrubby plant to 10 inches high; flowers white, showy.

256791. *PHEBALIUM PHYLICIFOLIUM* F. Muell. Rutaceae.

Col. No. S-736. Between Munyang and Gutheca, N.S.W. Elevation 5,000 feet. Dense, low, spreading shrub; flowers creamy-yellow.

256792. *PODOLEPIS JACEOIDES* (Sims) Voss. Asteraceae.

Col. No. S-739. Mount Franklin road, A.C.T. Herb; flowers yellow.

256793. *PROSTANTHERA BEHRIANA* Schlecht. Menthaceae.

Col. No. S-494. F. C. Payne's garden, Athelstone, South Australia. Shrub to six feet high; foliage grayish; flowers pale mauve.

256794. *RULINGIA PROCUMBENS* Maid. & Bêche Sterculiaceae.

Col. No. S-697. Goonoo Forest, 16 miles from Dubbo, N.S.W. Procumbent creeper; flowers and fruits inconspicuous.

256795. *STYLIDIUM GRAMINIFOLIUM* Sw. Candolleaceae.

Col. No. S-727. Road to Mount Kosciusko, near Sawpit Creek. Perennial herb to 18 inches high; flowers pink.

256796. *THYSANOTUS TUBEROSUS* R. Br. Liliaceae.

Col. No. S-731. Kambah, A.C.T. Perennial herb to 18 inches high; flowers purple.

256797. *WAHLENBERGIA GLORIOSA* Lothian Campanulaceae.

Col. No. S-729. Along road near Island Bend, N.S.W. Perennial herb to 12 inches high; flowers campanulate, large, blue-violet.

256798. *WAHLENBERGIA GRACILIS* (Forst.) A. DC.

Col. No. S-732. Kambah, A.C.T. Perennial herb to one inch high; flowers bright blue, campanulate.

256799. *XANTHORRHOEA MEDIA* R. Br. Liliaceae.

Col. No. S-708. Goonoo Forest, about 16 miles from Dubbo, N.S.W. Plants to six feet high.

256800 and 256801.

From Panama. Plants presented by the Community Services Division, Panama Canal Company, Balboa Heights. Received Apr. 14, 1959.

256800. *CYRTOSTACHYS RENDA* Blume Phoenicaceae.**Palm.****256801.** *NORANTEA GUIANENSIS* Aubl. Marcgraviaceae.**256802.** *ERUCA SATIVA* Mill. Brassicaceae.

From Afghanistan. Seeds presented by A. W. Krochmal, Herat. Received Apr. 14, 1959.

An oilseed used to rub camels when the hair begins to shed.

256803. *SOLANUM TUBEROSUM* L. Solanaceae.**Potato.**

From Korea. Tubers presented by the Seoul Branch, Horticultural Experiment Station, Dongdaemoon-Ku, Seoul. Received Apr. 14, 1959.

256804 to 256913. *PHASEOLUS LUNATUS* L. Fabaceae.**Lima bean.**

From Colombia, Ecuador and Peru. Seeds collected and presented by R. W. Allard and Carl Tucker, University of California, Davis, California. Received Apr. 14, 1959.

256804 to 256913—Continued

256804 to 256812. From Colombia.

256804. Col. No. 116. 'Frijol Rojo'. Farm near El Bordo.

256805 to 256810. Near Mercaderes.

256805. Col. No. 117. Garden.

256806. Col. No. 118.

256807. Col. No. 119.

256808. Col. No. 120.

256809. Col. No. 121.

256810. Col. No. 122.

256811. Col. No. 123. Garden five miles from La Union, La Union Dept. Willow leaf.

256812. Col. No. 124. Forty miles north of Pasto opposite La Cruz, Narino Dept.

256813 to 256822. From Ecuador.

256813. Col. No. 126. 'Frijol de Lima'. Quito.

256814. Col. No. 127. Garden near Quevedo, Pichincha Province.

256815. Col. No. 128. Nine miles from Quevedo.

256816. Col. No. 129. 'Frijol Tierno'. Finca near Quevedo.

256817 to 256820. Market.

256817. Col. No. 130.

256818. Col. No. 131.

256819. Col. No. 132.

256820. Col. No. 133.

256821. Col. No. 134. Market, Guayaquil. Guayas Province.

256822. Col. No. 135. Market, Guayaquil.

256823 to 256913. From Peru.

256823. Col. No. 136. Garden near Tumbes, Tumbes Department.

256824 to 256833. Market, Talara, Piura Department.

256824. Col. No. 137.

256829. Col. No. 142.

256825. Col. No. 138.

256830. Col. No. 143.

256826. Col. No. 139.

256831. Col. No. 144.

256827. Col. No. 140.

256832. Col. No. 145.

256828. Col. No. 141.

256833. Col. No. 146.

256834 to 256853. Market, Piura, Piura Department.

256834. Col. No. 147.

256844. Col. No. 157.

256835. Col. No. 148.

256845. Col. No. 158.

256836. Col. No. 149.

256846. Col. No. 159.

256837. Col. No. 150.

256847. Col. No. 160.

256838. Col. No. 151.

256848. Col. No. 161.

256839. Col. No. 152.

256849. Col. No. 162.

256840. Col. No. 153.

256850. Col. No. 163.

256841. Col. No. 154.

256851. Col. No. 164.

256842. Col. No. 155.

256852. Col. No. 165.

256843. Col. No. 156.

256853. Col. No. 166.

256804 to 256913—Continued**256823 to 256913—Continued**

256854 to 256862. Market, Trujillo, Trujillo Department.

256854. Col. No. 167.	256859. Col. No. 172.
256855. Col. No. 168.	256860. Col. No. 173.
256856. Col. No. 169.	256861. Col. No. 174.
256857. Col. No. 170.	256862. Col. No. 175.
256858. Col. No. 171.	

256863 to 256866. Market, Chimbote, Ancash Department.

256863. Col. No. 176.	256865. Col. No. 178.
256864. Col. No. 177.	256866. Col. No. 179.

256867 to 256879. Market, Lima, Lima Department.

256867. Col. No. 180.	256874. Col. No. 187.
256868. Col. No. 181.	256875. Col. No. 188.
256869. Col. No. 182.	256876. Col. No. 189.
256870. Col. No. 183.	256877. Col. No. 190.
256871. Col. No. 184.	256878. Col. No. 191.
256872. Col. No. 185.	256879. Col. No. 192.
256873. Col. No. 186.	

256880. Col. No. 193. Seventy miles south of Lima. Large vine.

256881 to 256884. Market, Canete, Canete Department.

256881. Col. No. 194.	256883. Col. No. 196.
256882. Col. No. 195.	256884. Col. No. 197.

256885 to 256889. Market, Chincha Alta, Chincha Province.

256885. Col. No. 198.	256888. Col. No. 201.
256886. Col. No. 199.	256889. Col. No. 202.
256887. Col. No. 200.	

256890. Col. No. 203. Garden two miles north of Pisco, Pisco Province.

256891 to 256903. Grown at Ica Province.

256891. Col. No. 204.	256898. Col. No. 211.
256892. Col. No. 205.	256899. Col. No. 212.
256893. Col. No. 206.	256900. Col. No. 213.
256894. Col. No. 207.	256901. Col. No. 214.
256895. Col. No. 208.	256902. Col. No. 215.
256896. Col. No. 209.	256903. Col. No. 216.
256897. Col. No. 210.	

256904 to 256906. Market, Mazca, Mazca Province.

256904. Col. No. 217.
256905. Col. No. 218.
256906. Col. No. 219.

256907 to 256913. Market, Lima, Lima Department.

256907 to 256911. Grown at Ica Province.

256907. Col. No. 220.	256910. Col. No. 223.
256908. Col. No. 221.	256911. Col. No. 224.
256909. Col. No. 222.	

256912. Col. No. 225. Grown at Chiclayo, Lambayeque Department.

256913. Col. No. 226. Grown at Piura, Piura Province.

256914. PRUNUS AVIUM L. Amygdalaceae. Sweet cherry.

From New Zealand. Scions presented by the Department of Agriculture, Dunedin. Received Apr. 15, 1959.

'Dawson'. From Otago.

256915 to 256919.

From Australia. Plants presented by the Adelaide Botanic Gardens, Adelaide, South Australia. Received Apr. 15, 1959.

256915 and 256916. CHRYSANTHEMUM THUNBERGII Harv. Asteraceae.

256915. Single pink.

256916. Double pink.

256917. PLECTRANTHUS COLEOIDES var. VARIEGATA Benth. Menthaceae.

256918. RUELLIA CILIOSA Pursh. Acanthaceae.

256919. TECOMANTHE DENDROPHILA (Blume) K. Schum. Bignoniaceae.

256920 to 256923.

From Colombia. Seeds collected by R. W. Allard and Carl Tucker, University of California, Davis, Calif. Received Apr. 22, 1959.

256920. RHYNCHOSIA sp. Fabaceae.

Col. No. 107. Four miles from Honda, Bogota Road, Tolima Department.

256921. RHYNCHOSIA sp.

Col. No. 108. Seven miles from Honda, Bogota Road.

256922. RHYNCHOSIA sp.

Col. No. 109. Ten miles from Honda.

256923. RHYNCHOSIA sp.

Col. No. 110. Halfway between Guada and Sasaima, Bogota Road.

256924 to 256929.

From Spain. Seeds presented by the Servicio de Parques y Jardines, Barcelona. Received Apr. 22, 1959.

256924. IPOMOEA PURPUREA (L.) Roth. Convolvulaceae.

Common morning-glory.

256925. MANIHOT CARthagINENSIS Muell. Euphorbiaceae.

256926. MISCANTHUS SINENSIS Anderss. Poaceae. Chinese silvergrass.

256927. SETARIA PALMIFOLIA (Willd.) Stapf Poaceae.

256928. PENNISETUM VILLOSUM R. Br. Poaceae. Feathertop.

256929. SOLANUM ALATUM Seem. & Schmidt Solanaceae.

256930 to 256935. ZEA MAYS L. Poaceae. Corn.

From Colombia. Seeds presented by the Minagricultura "Tibaitata", Bogota. Received Apr. 16, 1959.

256930. 'Narino 330-#-#a-L'.

256931. 'Peru 330-L-#-#'.

256932. 'Eto-#-#'.

256933. 'Narino 330' × 'Eto'.

256934. 'Narino 330' × 'Peru 330'.

256935. 'Eto' × 'Peru 330'.

256936 to 256951.

From France. Seeds presented by the Museum of Natural History, Paris. Received Apr. 16, 1959.

- | | | |
|--|-----------|----------------------------|
| 256936. MELILOTUS ALBA Desr. | Fabaceae. | White sweetclover. |
| 256937. MELILOTUS INDICA (L.) All. | | Annual yellow sweetclover. |
| 256938. MELILOTUS OFFICINALIS (L.) Lam. | | Yellow sweetclover. |
| 256939. TRIFOLIUM ALPESTRE L. | Fabaceae | Clover. |
| 256940. TRIFOLIUM ANGUSTIFOLIUM L. | | |
| 256941. TRIFOLIUM ARVENSE L. | | Rabbitfoot clover. |
| 256942. TRIFOLIUM BOCCONEI Savi | | |
| 256943. TRIFOLIUM FRAGIFERUM L. | | Strawberry clover. |
| 256944. TRIFOLIUM GLOMERATUM L. | | Cluster clover. |
| 256945. TRIFOLIUM HYBRIDUM L. | | Alsike clover. |
| 256946. TRIFOLIUM LAPPACEUM L. | | Lappa clover. |
| 256947. TRIFOLIUM PANNONICUM Jacq. | | |
| 256948. TRIFOLIUM RUBENS L. | | |
| 256949. TRIFOLIUM SQUARROSUM L. | | |
| 256950 and 256951. TRIFOLIUM STRIATUM L. | | Striate clover. |
| 256950. No. 1. | | |
| 256951. No. 2. | | |

256952 and 256953.

From South West Africa. Seeds presented by the Office of the Director of Agriculture, Windhoek. Received Apr. 17, 1959.

Collected at Ondangua, Ovamboland Native Reserve, South West Africa.

256952. SESAMUM ALATUM Thonn. Pedaliaceae.
 256953. SESAMUM SCHENCKII Aschers.

256954 and 256955.

From the Union of South Africa. Seeds collected by the University of Stellenbosch, Stellenbosch, Cape Province. Received Apr. 17, 1959.

Collected in Jonkershoek, Cape Province.

- | | | |
|------------------|--------------|---------|
| 256954. DISA sp. | Orchidaceae. | Orchid. |
| 256955. DISA sp. | | Orchid. |

256956. PHALARIS (hybrid). Poaceae.

From Argentina. Seeds presented by the Plant Introduction Section, Ministry of Agriculture, Buenos Aires. Received Apr. 17, 1959.

'El Gaucho'. (*P. aquatica* × *P. arundinacea*). A promising forage in Argentina.

256957 to 256971.

From Rumania. Seeds presented by the Agricultural Experiment Station, Bucharest. Received Apr. 17, 1959.

- | | | |
|---------------------------|----------|------|
| 256957. SECALE CEREALE L. | Poaceae. | Rye. |
| 'Harrach'. | | |

256957 to 256971—Continued

256958 to 256971. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

256958 and 256959. Spring types.

256958. 'Academia 48'.

256959. 'Cluj 48/600'.

256960 to 256971. Winter types.

256960. A. 15.

256966. 'Cenad 117'.

256961. C185.

256967. 'Cenad 512'.

256962. S. 6.

256968. 'Cluj 722'.

256963. T.F. 16.

256969. 'Icar 571 NE'.

256964. 'Bankut 1201 R' (42).

256970. 'N. Balcescu'.

256965. 'Baragan 77'.

256971. 'Odvos 241'.

256972. *JUGLANS REGIA* L. Juglandaceae. **Persian walnut.**

From Czechoslovakia. Scions presented by the Botanicka Zahrada, Kosice, Komenskeho. Received Apr. 20, 1959.

256973 to 256984. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Mexico. Tubers presented by the Oficina de Estudios Especiales, Mexico City, D.F. Received Apr. 21, 1959.

256973. 54-Q-2.

256979. 133-5.

256974. 'Cimarrona'.

256980. 146-4.

256975. 133-3.

256981. 146-10.

256976. 202-3.

256982. 201-13.

256977. Hol. 38.

256983. 161-2.

256978. RO-16.

256984. 'Dona Rosa'.

256985. *HIBISCUS PUNGENS* Roxb. Malvaceae.

From Taiwan. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei. Received Apr. 21, 1959.

'Paw Keo'.

256986 to 256990. *ORYZA SATIVA* L. Poaceae. **Rice.**

From India. Seeds presented by the Paddy Specialist, Hyderabad. Received Apr. 21, 1959.

256986. H.R. 98.

256989. H.R. 109.

256987. H.R. 102.

256990. H.R. 110.

256988. H.R. 107.

256991 to 256996. *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**

From Costa Rica. Budsticks presented by the Inter-American Institute of Agricultural Sciences, Turrialba. Received Apr. 9, 1958.

256991. UF-10.

256994. UF-29.

256992. UF-11.

256995. UF-168.

256993. UF-12.

256996. UF-296.

256997 to 257000. *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**

From the British West Indies. Budsticks presented by the Cacao Industry Improvement Scheme, Grenada. Received Nov. 5, 1958. Numbered Apr. 21, 1959.

256997. GS-17.

256999. GS-50.

256998. GS-46.

257000. GS-78.

257001. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Great Britain. Budsticks presented by the Royal Botanic Gardens, Kew, Surrey, England. Received Mar. 3, 1958. Numbered Apr. 21, 1959.
'Lafi-7'.

257002 to 257007. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From Ecuador. Budsticks presented by the Estacion Experimental Tropical, Guayaquil. Received Nov. 12, 1958. Numbered Apr. 21, 1959.

257002. EET-19.

257005. EET-96.

257003. EET-48.

257006. 'Silecia-1'.

257004. EET-62.

257007. 'Silecia-5'.

257008 to 257011. SACCHARUM (hybrids). Poaceae. Sugarcane.

From India. Cuttings presented by the Sugarcane Breeding Institute, Coimbatore. Received Apr. 21, 1959.

257008. Co. 625.

257010. SES 315.

257009. SES 201.

257011. SES 521.

257012 to 257016. VITIS VINIFERA L. Vitaceae. European grape.

From France. Cuttings presented by the Station de Recherches Viticoles, Pont-de-la-Maye, Gironde. Received Apr. 22, 1959.

257012. 420A.

257015. 41B.

257013. SO4.

257016. 'Berlandun Ressigura No. 2'. ('Greffison 420A').

257014. 333 EM.

257017 and 257018.

From South West Africa. Seeds presented by C. V. Porter, Windhoek. Received Apr. 22, 1959.

257017. Gossypium (hybrid). Malvaceae.

Cotton.

Bush to six feet high.

257018. Gossypium sp.

Hardy, vigorous bush of considerable age.

257019 and 257020.

From the Philippines. Plants presented by Mona Lisa Steiner, Pasay City. Received Apr. 23, 1959.

257019. HOYA IMBRICATA Decne. Asclepiadaceae.

257020. STRONGYLODON MACROBOTRYS A. Gray Fabaceae.

257021 and 257022.

From Afghanistan. Seeds presented by the United States Operations Mission, Kabul. Received Apr. 23, 1959.

257021. PINUS GERARDIANA Wall. Pinaceae.

Pine.

'Djalgosa'; 'Chilghoza'. Twenty miles northeast of Gardez, Southern Province.

257022. ROBINIA PSEUDOACACIA L. Fabaceae.

Common locust.

Paghman, Kabul Province. A thornless variety.

257023 to 257040. ZEA MAYS L. Poaceae. Corn.

From Colombia. Seeds presented by the Rockefeller Foundation, Agriculture Experiment Station, Tulio Ospina, Medellin. Received Apr. 23, 1959.

257023. 'Raza Comun Segregaciones'.

257024. 'Raza Costena Segregaciones'.

257023 to 257040—Continued

257025. 'Raza Yucatan'.

257026 to 257035. Formerly from Bolivia.

257026. No. 992; P57B-6791.

257027. No. 1035; P57B-6789.

257028. No. 1037; P57B-6793.

257029. No. 1063; 54A.

257030. No. 1071; 54A.

257031. 360; 53A.

257032. 458; 53A.

257033. 478; 53A.

257034. 846; 54A.

257035. 883; 54A.

257036 to 257040. Formerly from Ecuador.

257036. 387; 51B.

257039. 598; 53A.

257037. 434; 51B.

257040. 697; 53A.

257038. 578; 53A.

257041 and 257042. SORGHUM BICOLOR (L.) Moench Poaceae.

From Ethiopia. Seeds presented by the Imperial College of Agriculture, Addis Ababa. Received May 14, 1959.

257041. 'Collubi Dwarf'. Alemaya.

257042. Alemaya. Partial yellow endosperm.

257043. GOSSYPIUM BRASILIENSE Macfad. Malvaceae.

From Argentina. Seeds presented by an unknown donor. Received May 14, 1959.

257044 to 257215.

From Colombia, Ecuador and Peru. Seeds collected by Paul G. Smith, University of California, Davis, California. Received Apr. 25, 1959.

Collected February and March 1959.

257044 to 257131. Colombia.

257044 to 257051. Barranquilla market, Atlantico Dept.

257044. CAPSICUM ANNUUM L. Solanaceae.

Pimento.

No. 1. Fruit 5 by 1 cm., red, curved, somewhat rough.

257045 and 257046. CAPSICUM SINENSE L.

257045. No. 2. Fruit 6 by 2 cm., red, pointed, fairly smooth.

257046. No. 3. 'Aji dulce'. Fruit 6 by 3 cm., red.

257047 to 257049. CAPSICUM ANNUUM L.

Pimento.

257047. No. 4. Fruit 8 by 4 cm., red, smooth; flesh thick.

257048. No. 5. Fruit 8 by 2 cm., red, shaped like thick cayenne, irregular.

257049. No. 6. Fruit 9 by 5 cm., red, blunt and pointed, contorted.

257050 and 257051. CAPSICUM FRUTESCENS L.

Redpepper.

257050. No. 7. 'Aji dulce'. Fruit 6 by 3 cm., red.

257051. No. 8. Fruit 4 by 1.5 cm., red, yellow when immature, pointed, irregular.

257044 to 257215—Continued**257044 to 257131—Continued****257052 to 257055. CAPSICUM ANNUM L.****Pimento.**

257052. No. 9. 'Aji dulce'. Barranquilla market, Atlantico Dept. Fruit 10 by 4.5 cm., red, blunt to blunt-pointed, fairly smooth. Used for stuffing.

257053. No. 10. 'Aji extranjero'. Cienaga de Oro, Bolivar Dept., 7.5 km. south of town. This is a typical ornamental pepper grown in the United States.

257054. No. 11. 'Aji pimenton'. Market, Cienaga. Fruit 10 by 4.5 cm., red, blunt to blunt-pointed, smooth, used for stuffing, sweet.

257055. No. 12. Cienaga market. Fruit 6 by 2 cm., red, pointed, smooth.

257056 to 257078. CAPSICUM FRUTESCENS L.**Redpepper.**

257056 to 257059. Farm Tulio Rosa, 9 km. south of Cienaga.

257056. No. 13. 'Aji picante'. Fruit 2.5 by 2.5 cm., red, blunt.

257057. No. 14. Fruit 6 by 2.5 cm., red.

257058. No. 15. Fruit 3.5 by 1.5 cm., red, pointed.

257059. No. 16. 'Aji dulce'. Fruit 3 by 2.5 cm., red, round-pointed, not sweet; low level of pungency.

257060 to 257062. Nine km. south of Cienaga.

257060. No. 17. Fruit 2 by 1.3 cm.; flesh soft.

257061. No. 18. 'Aji picante'. Fruit 2 by 1 cm., red; flesh soft.

257062. No. 19. 'Aji silvestre'. Fruit 1.5 by 1 cm., red; flesh soft.

257063 to 257065. Cartagena market, Bolivar Dept.

257063. No. 20. 'Aji dulce'. Fruit 6 by 2.3 cm., yellow.

257064. No. 21. Fruit 6 by 2.3 cm., red.

257065. No. 22. Fruit 7 by 3 cm., red.

257066. No. 23. Farm La Ceja Obscura. Fruit 2.5 cm. long, red, slender pointed.

257067 and 257068. Barranquilla market, Atlantico Dept.

257067. No. 24. 'Aji dulce'. Fruit 6 by 3 cm., red.

257068. No. 25. 'Aji picante'. Fruit 5 by 1.5 cm., red, very irregular.

257069 to 257071. Cartagena market, Bolivar Dept.

257069. No. 26. Fruit 2 by 0.5 cm., yellow, slender and pointed.

257070. No. 27. Fruit 1.5 by 1.5 cm., red, rough, spherical.

257071. No. 28. Fruit red, large.

257072 and 257073. Farm La Gallera, 17 km. south of Sincelejo, Bolivar Dept.

257072. No. 29. Fruit 7 by 1 cm., red, pointed, rough.

257073. No. 30. 'Pico de pajaró'. Fruit 1 by 0.5 cm., slender, pointed.

257074 to 257077. Finca Altamira, 17 km. south of Sincelejo.

257074. No. 31. 'Guagua'. Fruit less than 1 cm. long, pointed.

257075. No. 32. Fruit 6 by 2.5 cm., slender, top-shaped.

257076. No. 33. Fruit to 0.7 cm. long, red, oval.

257077. No. 34. Fruit 1.5 cm. long, slender, pointed.

257044 to 257215—Continued**257044 to 257131—Continued****257056 to 257078—Continued**

257078. No. 35. San Jose, 111 km. south of Sincelejo, Pan American Highway. Fruit 1 by 0.7 cm., red, oval. Spontaneous among banana plants.

257079. *CAPSICUM* sp.

No. 36. San Jose, 111 km. south of Sincelejo, Pan American Highway. Fruit 1.5 by 1 cm., red, rounded point.

257080 to 257083. *CAPSICUM FRUTESCENS* L.**Redpepper.**

257080. No. 37. North of Caucasia. Fruit red, 2.5 by 1 cm.

257081. No. 38. North of Caucasia. Fruit yellow, 2 by 0.8 cm.

257082. No. 39. Along Pan American Highway, 18.5 km. south of Caucasia. Fruit 4.5 by 2 cm., red, long-pointed.

257083. No. 40. Thirty-seven km. south of Caucasia. Fruit red, long-pointed.

257084 to 257086. *CAPSICUM SINENSE* L.

257084. No. 46. Market, Medellin, Antioquia Dept. Fruit red, top-shaped, rather rough, 3 by 3 cm.

257085. No. 47. Market, Medellin, Antioquia Dept. Fruit red, long-pointed, 9 by 2.5 cm.

257086. No. 48. Market, Medellin, Antioquia Dept. Fruit deep red, 7 by 3.5 cm., extremely contorted.

257087 and 257089. *CAPSICUM ANNUUM* L.

257087. No. 49. Faculty of Agriculture, National University, Medellin. Fruit red, pointed, rough, 4 by 1 cm.

257088. No. 50. Fruit 6 by 2 cm., red, slender top-shaped, slightly rough.

257089. No. 51. 'Pajarito'. Fruit oval, less than 1 cm. long.

257090. *CAPSICUM SINENSE* L.

No. 52. Experiment Station, Tulio Espina, 9 km. east of Medellin. Fruit 5 by 2.5 cm., red, rough and contorted.

257091 and 257092. *CAPSICUM FRUTESCENS* L.**Redpepper.**

257091. No. 56. 'Chivato'. Three km. north of Honda, near Magdalena River. Fruit 2.5 by 2 cm., red, top-shaped.

257092. No. 57. 'Comino'. On road to Bogota, 74 km. from Honda. Elevation 900 meters. Fruit 4.5 by 1.8 cm., red, long pointed, rough.

257093. *CAPSICUM* sp.

No. 58. 'Chilca'. Honda market, Tolima Dept. Fruit less than 1 cm. in diameter, red, oval.

257094. *CAPSICUM FRUTESCENS* L.**Redpepper.**

No. 59. 'Congo'. Honda market, Tolima Dept. Fruit larger than P.I. 257093.

257095. *CAPSICUM* sp.

No. 61. 'Pajarito'. Medellin market. Fruit less than 1 cm. long, red, oval.

257096 to 257099. *CAPSICUM ANNUUM* L.**Pimento.**

257096. No. 62. Nine km. north of Honda. Fruit less than 1 cm., oval.

257097. No. 63. Road to Honda, 194 km. east of Medellin. Fruit less than 1 cm., red, oval.

257044 to 257215—Continued**257044 to 257131—Continued****257096 to 257099—Continued**

257098. No. 64. 'Hermanita'. Road to Bogota, 74 km. southeast of Honda. Fruit less than 1 cm. long, red, oval.

257099. No. 65. Road to Bogota, 74 km. southeast of Honda. Fruit small, oval, red.

257100. CAPSICUM FRUTESCENS L.**Redpepper.**

No. 67. 'Comino'. Bogota market. Fruit 3 by 1.8 cm., yellow, pointed, rough.

257101. CAPSICUM SINENSE L.

No. 68. 'Chilbato'. Fusagasuga market, Cundinamarca Dept. Fruit 4.5 by 2 cm., pointed, yellow, rough.

257102. CAPSICUM ANNUUM L.**Pimento.**

No. 69. Girardota market, Antioquia Dept. Fruit less than 1 cm., oval, red.

257103 and 257104. CAPSICUM FRUTESCENS L.**Redpepper.**

257103. No. 70. Girardota market, Antioquia Dept. Fruit 4.5 by 3 cm., red, top-shaped.

257104. No. 71. Farm between Girardota and Espinal. Fruit 2.5 cm., red, rough, spherical.

257105 to 257107. CAPSICUM SINENSE L.

257105. No. 74. Armenia market, Caldas Dept. Fruit 8.5 by 4 cm., pointed, red, rough.

257106. No. 75. Armenia market, Caldas Dept. Fruit 7.5 by 4 cm., pointed, red, rough.

257107. No. 76. 1.6 km. north of Caicedonia, Valle del Cauca Dept. Fruit 4 by 4 cm., heart-shaped, red, not smooth.

257108. CAPSICUM ANNUUM L.**Pimento.**

No. 77. Bogota market.

257109 and 257110. CAPSICUM SINENSE L.

257109. No. 78. Cali market, Valle del Cauca Dept. Fruit 10 by 2 cm., pointed, red, fairly smooth.

257110. No. 79. Cali market, Valle del Cauca Dept. Fruit 4.5 by 1.5 cm., pointed, red, fairly smooth.

257111. CAPSICUM ANNUUM L.**Pimento.**

No. 80. Cali market, Valle del Cauca Dept. Fruit 1 cm. long, oval, red.

257112 to 257113. CAPSICUM sp.

257112. No. 81. Cali market, Valle del Cauca Dept. Fruit 1 cm. long, oval, red.

257113. No. 82. Cali market, Valle del Cauca Dept. Fruit 8 by 1 cm., red, slender, slightly irregular.

257114. CAPSICUM ANNUUM L.

No. 83. Cali market, Valle del Cauca Dept. Fruit slender, orange.

257115 and 257116. CAPSICUM SINENSE L.

257115. No. 84. Cali market, Valle del Cauca Dept. Fruit slender, yellow.

257116. Outskirts of Popayan. Fruit 6 by 1 cm., yellow, rough.

257044 to 257215—Continued

257044 to 257131—Continued

257117 to 257119. *CAPSICUM ANNUUM* L.

Pimento.

Popayan market.

257117. No. 87. Fruit 1 cm., red, oval.

257118. No. 88. Fruit 1 cm., red, oval.

257119. No. 89. Fruit 1 cm., red, oval.

257120. *CAPSICUM* sp.

No. 90. Popayan market. Fruit 1.5 cm. long, red, top-shaped.

257121. *CAPSICUM FRUTESCENS* L.

Redpepper.

No. 91. Honda market. Fruit 1 cm., red, top-shaped.

257122. *CAPSICUM PENDULUM* Willd.

No. 92. Popayan market. Fruit 9 by 1.5 cm., red, pointed, rough.

257123 to 257127. *CAPSICUM SINENSE* L.

Popayan market.

257123. No. 93. Fruit 5 by 2 cm., red, rough.

257124. No. 94. Fruit 10 by 1.5 cm., light orange.

257125. No. 95. Fruit 7.5 by 1 cm., orange-red, smooth.

257126. No. 96. Fruit 9 by 1 cm., orange-yellow, smooth.

257127. No. 97. Fruit 5 by 1 cm., orange, fluted, rough.

257128. *CAPSICUM ANNUUM* L.

Pimento.

No. 99. Mercaderes. Fruit 7.5 by 1.5 cm., red, smooth.

257129. *CAPSICUM SINENSE* L.

No. 100. Mercaderes. Fruit 2.5 by 1.5 cm., yellow.

257130. *CAPSICUM* sp.

No. 104. Pasto market, Narino Dept. Fruit 6.5 by 2 cm., pointed, red.

257131. *CAPSICUM SINENSE* L.

No. 105. Pasto market, Narino Dept. Fruit 10 by 1.5 cm., slender, like cayenne.

257132 to 257139. From Ecuador.

257132. *CAPSICUM SINENSE* L.

No. 109. Tulcan market, Carchi Province. Fruit 6 by 3.5 cm., red, rough, flattened, pointed, 2- and 3-sided.

257133 to 257135. *CAPSICUM PENDULUM* Willd.

257133. No. 110. Tulcan market, Carchi Province. A mixture of varieties.

257134. No. 113. Latacunga market, Cotopaxi Province. Fruit 12 by 2 cm., red.

257135. No. 114. Latacunga market, Cotopaxi Province. Fruit slender yellow.

257136 to 257139. *CAPSICUM SINENSE* L.

257136. No. 118. Quevedo. Fruit 7 by 3.5 cm., red, rough, pointed.

257137. No. 119. Quevedo. Fruit 7 by 3.5 cm., yellow, rough, pointed.

257138. No. 120. Quevedo. Fruit 1.5 by 1.5 cm., yellow top-shaped.

257139. No. 121. Military Post, Arenillas. Fruit 0.8 by 0.6 cm., red.

257044 to 257215—Continued

257140 to 257187. From Peru.

257140. *CAPSICUM SINENSE* L.

No. 122. Tourist Hotel, Tumbes, Tumbes Dept. Fruit 1.5 by 1 cm., red, rough, top-shaped.

257141. *CAPSICUM PENDULUM* Willd.

No. 123. Tumbes market. Fruit 5 by 1 cm., yellow, rough.

257142. *CAPSICUM SINENSE* L.

No. 124. Tumbes market. Fruit 3 by 1.5 cm., orange, rounded.

257143. *CAPSICUM PENDULUM* Willd.

No. 125. 'Aji de Mesa'. Tumbes market. Fruit 2 by 2 cm., red, turban-shaped.

257144. *CAPSICUM ANNUUM* L.

Pimento.

No. 126. 'Aji dulce'. Tumbes market. Small bell type pepper.

257145 to 257147. *CAPSICUM SINENSE* L.

257145. No. 127. Talara market, Piura Dept. Fruit 3 cm., lemon yellow, top-shaped.

257146. No. 128. Tumbes market. Fruit 3 cm., orange, top-shaped.

257147. No. 129. Tumbes market. Fruit 6 by 1.5 cm., red, slender, much contorted.

257148. *CAPSICUM* sp.

No. 130. Tumbes market. Fruit 4 by 2 cm., red, rough, pointed.

257149 to 257154. *CAPSICUM PENDULUM* Willd.

257149. No. 131. Tumbes market. Fruit 6 by 2 cm., orange, pointed.

257150. No. 132. Five km. south of Tumbes. Fruit 6 by 3 cm., orange, rough, cylindrical, ends rounded.

257151. No. 133. Talara market. Fruit 7 by 1 cm., red, wrinkled, slender.

257152. No. 134. Talara market. Fruit 10 by 1.5 cm., yellow.

257153. No. 135. Talara market. Fruit 10 by 1.5 cm., orange.

257154. No. 136. Piura market, Piura Dept. Fruit very large, orange.

257155. *CAPSICUM FRUTESCENS* L.

Redpepper.

No. 137. Piura market, Piura Dept. Fruit to 2 cm. long, red, slender.

257156. *CAPSICUM SINENSE* L.

No. 138. Piura market, Piura Dept. Fruit 3 by 2 cm., red, turban-shaped.

257157. *CAPSICUM PENDULUM* Willd.

No. 139. Piura market, Piura Dept. Fruit 3 by 2 cm., orange, rough, oval.

257158. *CAPSICUM SINENSE* L.

No. 140. Piura market, Piura Dept. Fruit 7 by 1 cm., red, slender.

257159. *CAPSICUM PENDULUM* Willd.

No. 142. Chiclayo market, Lambayeque Dept. Fruit 12 by 2 cm., orange, long, pointed.

257160. *CAPSICUM PUBESCENS* Ruiz & Pav.

No. 145. Chiclayo market, Lambayeque Dept. Fruit 3 by 3 cm., red, turban-shaped, rough.

257044 to 257215—Continued

257044 to 257187—Continued

257161. *CAPSICUM PENDULUM* Willd.

No. 146. Chiclayo market, Lambayeque Dept. Fruit 6 by 1 cm., red.

257162. *CAPSICUM SINENSE* L.

No. 147. Chiclayo market, Lambayeque Dept. Fruit 6 by 1 cm., mixture of orange and red types, slender, smooth.

257163 and 257164. *CAPSICUM PENDULUM* Willd.

257163. No. 152. Trujillo market. Fruit 7 by 2 cm., orange, long, wrinkled.

257164. No. 153. 'Escabrechi'. Trujillo market. Fruit 5 by 1 cm., orange, cylindrical, pointed.

257165 to 257167. *CAPSICUM SINENSE* L.

257165. No. 154. Trujillo market. Fruit 3 by 2 cm., lemon yellow, pointed, somewhat turban-shaped, very wrinkled.

257166. No. 155. Trujillo market. Fruit 3 by 1 cm., lemon yellow, slender.

257167. No. 157. Trujillo market. Fruit 4 by 1 cm., orange.

257168 and 257169. *CAPSICUM PENDULUM* Willd.

257168. No. 158. Trujillo market. Fruit 5 by 1 cm., orange and yellow, slender, pointed.

257169. No. 159. Trujillo market. Fruit 5 by 1 cm., orange and yellow, slender, pointed.

257170 and 257171. *CAPSICUM SINENSE* L.

257170. No. 160. Trujillo market. Fruit red, slender, top-shaped, 3 by 1.3 cm. Large amount of anthocyanin present when immature.

257171. No. 161. Chimbote market. Fruit brown, pointed, 8 by 2.5 cm.

257172 to 257174. *CAPSICUM PENDULUM* Willd.

257172. No. 162. Chimbote market. Fruit orange, pointed and blunt, surface irregular, 6 by 1.5 cm.

257173. No. 163. Chimbote market. Fruit quite smooth, pointed, 4 by 1 cm.

257174. No. 164. Chimbote market. Fruit orange, blunt, 3.5 by 2 cm.

257175 and 257176. *CAPSICUM SINENSE* L.

257175. No. 166. Chimbote market. Fruit red, with blush of purple top-shaped, 3 by 1 cm.

257176. No. 167. Chimbote market. Fruit orange and yellow forms, rough, turban-shaped, 2.3 by 2.3 cm.

257177 to 257180. *CAPSICUM PENDULUM* Willd.

257177. No. 168. Chimbote market. Fruit golden yellow, slender, 5 by 1 cm.

257178. No. 169. Chimbote market. Fruit orange, long and pointed.

257179. No. 170. Commercial field, Barranco. Fruit orange, long, slender, pointed, rough, 10 by 2.5 cm.

257180. No. 171. Commercial field, Barranco. Fruit orange, pointed, 5 by 2 cm.

257181. *CAPSICUM FRutescens* L.

No. 173. Chiclayo market. Fruit red, slender, 1.5 cm. in diameter.

257044 to 257215—Continued**257044 to 257187—Continued****257182.** *CAPSICUM ANNUM L.***Pimento.**

No. 174. Canete market. Fruit red, tapering, 10 by 3 cm.

257183 to 257186. *CAPSICUM PENDULUM* Willd.**257183.** No. 175. Canete market. Fruit yellow and orange, long, pointed, 13 by 3 cm.**257184.** No. 176. Canete market. Fruit orange, pointed, long, smooth, 17 by 4 cm.; flesh thick.**257185.** No. 177. Chinchá Alta market. Same type as P.I. 257175 and 257176.**257186.** No. 178. Pisco market. Same type as P.I. 257176.**257187.** *CAPSICUM ANNUM L.***Pimento.**

No. 179. Ica market. Fruit red, pointed and blunt, 8 by 3.5 cm.

257188 to 257215. *CAPSICUM PUBESCENS* Ruiz & Pav.**257188 to 257202.** Colombia.**257188 and 257189.** Don Matías, near Medellín, Antioquia Dept.**257188.** No. 41. Fruit 3 by 5 cm., red, flattened.**257189.** No. 42. Fruit 7 by 5 cm., red, with constricted neck.**257190 to 257192.** Medellín market.**257190.** No. 43. Fruit 7 by 5 cm., red, flattened, style indented.**257191.** No. 44. Fruit 5 by 6 cm., red, apple-shaped.**257192.** No. 45. Fruit 6 by 4 cm., red, rather rough, shaped much like the 'San Marzano' tomato.**257193 and 257194.** Sixty km. east of Medellín, on road between La Ceja and Unión.**257193.** No. 53. Fruit 3 by 5 cm., red, flattened.**257194.** No. 54. Fruit 3 by 5 cm., red, flattened.**257195.** No. 55. Sonson market, Antioquia Dept. Fruit red, apple-shaped.**257196.** No. 66. 'Rocote'. Bogotá market, Cundinamarca Dept. Fruit 5.5 by 3 cm., red, with neck at top.**257197.** No. 72. Ibagué market. Fruit 5.5 by 5.5 cm., red, rough, apple-shaped.**257198.** No. 73. Armenia market, Caldas Dept. Fruit 5.5 by 4 cm., red, smooth.**257199 to 257201.** Pasto market, Narino Dept.**257199.** No. 102. Fruit 6 by 3.5 cm., red, elongated with definite neck.**257200.** No. 103. Fruit 7 by 2.5 cm., red.**257201.** No. 106. Fruit 6 by 5 cm., red, large, apple-shaped, flattened.**257202.** No. 107. Fruit 6.5 by 3.5 cm., red, shaped like 'San Marzano' tomato.**257203.** No. 108. Tulcán market, Carchi Province, Ecuador. Fruit 4 by 3 cm., red.**257204 and 257205.** Latacunga market, Cotopaxi Province, Ecuador.**257204.** No. 111. Fruit 7 by 3 cm., orange, pointed to rounded.**257205.** No. 112. Fruit 6.5 by 4 cm., orange yellow, elongate oval.

257044 to 257215—Continued**257188 to 257215—Continued**

257206 to 257208. Chiclayo market, Lambayeque Dept., Peru.

257206. No. 141. Fruit 3 cm. long, brown, oval.

257207. No. 143. Fruit 5 by 2 cm., red, long, oval, flattened.

257208. No. 144. Fruit 4 by 3 cm., orange, rough, elongate, rounded.

257209 to 257213. Trujillo market, Peru.

257209. No. 148. Fruit 9 by 2 cm., lemon yellow, long, slender.

257210. No. 149. Fruit 3.5 by 2.5 cm., golden color, quite smooth, blunt.

257211. No. 150. Fruit 3.5 by 2.5 cm., orange, with definite neck.

257212. No. 151. Fruit 4 by 2 cm., orange with purple blush, elongate rather rough.

257213. No. 156. Fruit yellow and orange, mixed.

257214. No. 165. (No data.)

257215. No. 172. (No data.)

257216 and 257217. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Colombia. Cuttings presented by the Granja Agricola Experimental, Palmira. Received Apr. 27, 1959.

257216. C.P.C. 13911.

257217. C.P.C. 33.470.

257218. TRITICUM AESTIVUM L. Poaceae. Common wheat.

From Ethiopia. Seeds presented by the Bishoftu Experimental Station, Imperial Ethiopian College of Agriculture and Mechanical Arts, Addis Ababa. Received Apr. 27, 1959.

257219 to 257224.

From Colombia. Seeds collected and presented by R. W. Allard and Carl Tucker, University of California, Davis, California. Received Apr. 27, 1959.

257219 to 257221. PHASEOLUS LUNATUS L. Fabaceae.

Lima bean.

257219. Col. No. 111. Guardot market.

257220. Col. No. 112. Guardot market.

257221. Col. No. 113. Cali market.

257222 and 257223. PHASEOLUS VULGARIS L.

Common bean.

257222. Col. No. 114. Cali market.

257223. Col. No. 125. Gulcon market.

257224. PHASEOLUS sp.

Col. No. 115. Forty-four miles south of Popayan. Elevation 3,490 feet.

257225 and 257226. PRUNUS AVIUM L. Amygdalaceae.

Sweet cherry.

From Iran. Budsticks presented by the agricultural attache, United States Embassy, Teheran. Received Mar. 6, 1959.

257225. 'Meshed Special Farangi'. Fruit large, round; skin reddish black; flesh bright red, sweet.

257226. 'Glassy of Meshed'. Fruit round; skin cream-colored; flesh pink, subacid.

257227 to 257247.

From Thailand. Seeds presented by the agricultural attache, United States Embassy, Bangkok. Received Apr. 27, 1959.

Formerly from the People's Republic of China.

257227 and 257228. *APIUM GRAVEOLENS* var. *RAPACEUM* DC. Apiaceae. **Celeriac.**

257227. No. 68. 'Wai Sha, Ch'eng Hai'.

257228. 'Wai Sha, Ch'eng Hai'.

257229 and 257230. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

257229. No. 62. 'Chinese White'. 'Ming Hou'.

257230. 'Chinese White'. 'Ming Hou'.

257231. *BRASSICA OLERACEA* var. *CAPITATA* L. **Cabbage.**

No. 57. 'Shanghai'.

257232 to 257235. *BRASSICA OLERACEA* var. *VIRIDIS* L. **Kale.**

257232. No. 51. 'Tung Tun'.

257233. No. 56. 'Chia P'u'.

257234. No. 69. 'Wai Sha, Ch'eng Hai'.

257235. 'Wai Sha, Ch'eng Hai'.

257236 to 257238. *BRASSICA PEKINENSIS* (Lour.) Rupr. **Chinese cabbage.**

257236. No. 52. 'Wong Bok'. 'Ch'ao An'.

257237. No. 79. 'Chiang Men'.

257238. 'Wong Bok Ch'ao An'.

257239. *BRASSICA CAMPESTRIS* L.
No. 58. 'Wai Sha, Ch'eng Hai'.

257240. *BRASSICA* sp.
No. 65. 'Wai Sha, Ch'eng Hai'.

257241. *BRASSICA CAMPESTRIS* L. **Bird rape.**

No. 67. 'Hou T'ien'.

257242. *CICHORIUM ENDIVIA* L. Cichoriaceae. **Endive.**

No. 7. 'Ch'eng Hai'.

257243. *MOMORDICA CHARANTIA* L. Cucurbitaceae. **Balsam-pear.**

No. 66. 'Nan Ching P'u Ning'.

257244. *PISUM SATIVUM* L. Fabaceae. **Pea.**

No. 3. 'Tung Haun'. Kwangtung.

257245 to 257247. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**

257245. No. 64. 'Nan P'an Chou'.

257246. No. 74. 'Wang Wei'.

257247. 'Wang Wei'.

257248 to 257267. *ZEA MAYS* L. Poaceae. **Corn.**

From Israel. Seeds presented by the Agricultural Experiment Station, Neveh-Yaar. Received Apr. 28, 1959.

257248. No. 1. Sw C Y S₃. Endosperm hard.

257249. No. 2. Is X US Inbred. Endosperm defective.

257250. No. 30. Sh Wh. Endosperm defective.

257248 to 257267—Continued

257251. No. 45. Sw C Y S₃. Endosperm hard.
 257252. No. 46. Is X US Inbred. Endosperm defective.
 257253. No. 74. Sh Wh No. 466e II. Endosperm defective.
 257254. No. 74. Sw C U11 1176e IIS₃. Endosperm hard.
 257255. No. 76. Is Sh 475e IV. Endosperm defective.
 257256. No. 81. Is Sh No. 485e IIB. Endosperm defective.
 257257. No. 97. Sw C Y S₃. Endosperm hard.
 257258. No. 115d. Sw C Y S₃. Endosperm hard.
 257259. No. 119. Sw C U11 1103e IS₃. Endosperm hard.
 257260. No. 129. Is Sh No. 37e II. Endosperm defective.
 257261. No. 141. Sw C Y S₃. Endosperm hard.
 257262. No. 155. Sw C Y Inbred No. 10b. Endosperm hard.
 257263. No. 157. Sw C Y S₃ Inbred No. 11. Endosperm hard.
 257264. No. 158. Sw C Y S₃ Inbred No. 11a. Endosperm hard.
 257265. No. 160. Is Sh No. 33. Endosperm defective.
 257266. No. 161. Is Sh No. 40e I. Endosperm defective.
 257267. No. 309. Checks No. 1. Endosperm defective.

257268 to 257275.

From Sweden. Seeds presented by Weibull Plant Research Institute, Landskrona.
 Received Apr. 28, 1959.

257268. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.
 'Tardus II'.
 257269. FESTUCA ELATIOR L. Poaceae. Meadow fescue.
 'Mimer'.
 257270. LOLIUM PERENNE L. Poaceae. Perennial ryegrass.
 'Viris'.
 257271 and 257272. PHLEUM PRATENSE L. Poaceae. Timothy.
 257271. 'Kampe II'.
 257272. T 41.
 257273. TRIFOLIUM HYBRIDUM L. Fabaceae. Alsike clover.
 'Tetra'.
 257274. TRIFOLIUM PRATENSE L. Red clover.
 'REA (R 28)' (Tetraploid).
 257275. TRIFOLIUM REPENS L. Whiteclover.
 'Nora'.

257276 to 257290.

From Spain. Seeds presented by the Horticultural and Fruit Experiment Station, Murcia. Received Apr. 28, 1959.

257276. ALLIUM CEPA L. Liliaceae. Onion.
 'Babosa'.
 257277. ALLIUM SATIVUM L. Garlic.
 'Ajo'.
 257278. ALLIUM sp. 'Ajo Porro'.

257276 to 257290—Continued

257279. *APIUM GRAVEOLENS* var. *RAPACEUM* DC. Apiaceae. **Celeriac.**
White celery.

257280. *BETA VULGARIS* var. *CICLA* L. Chenopodiaceae. **Swiss chard.**
White stalk.

257281. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**
Christmas cauliflower.

257282. *CANNABIS SATIVA* L. Moraceae. **Hemp.**

257283 and 257284. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

257283. 'De Boina'.

257284. 'Morron'.

257285. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**
'Tendral'. Formerly from Alicante Province.

257286. *CUCUMIS SATIVUS* L. **Cucumber.**

257287. *CUCURBITA MAXIMA* Duchesne Cucurbitaceae. **Squash.**
'Green Marrow'.

257288 and 257289. *LACTUCA SATIVA* L. Cichoriaceae. **Lettuce.**

257288. 'Oreja'.

257289. No varietal name.

257290. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
'Murciano'.

257291. *CARTHAMUS TINCTORIUS* L. Asteraceae. **Safflower.**

From Iran. Seeds presented by the United States Operations Mission Meshed.
Received Apr. 29, 1959.

Collected at Golmacon, 30 miles northwest of Meshed.

257292 to 257327.

From Argentina. Seeds presented by the Division of Plant Exploration and
Introduction, Buenos Aires. Received Apr. 29, 1959.

257292. *SORGHUM CAUDATUM* (Hack.) Stapf Poaceae.
Mf.G.F.: 1065.

257293. *SORGHUM MILIIFORME* (Hack.) Snowden
Mf.G.F.: 1174.

257294 and 257295. *SORGHUM DOCHNA* (Forsk.) Snowden

257294. Mf.G.F.: 383.

257295. Mf.G.F.: 581.

257296 to 257327. *SORGHUM BICOLOR* (L.) Moench

257296. Mf.G.F.: 1226; 'Berr'.

257297. Mf.G.F.: 1256; 'Daguia'.

257298. Mf.G.F.: 1215; 'Damatayoum'.

257299. Mf.G.F.: 1220; 'Djarto Kogolo'.

257300. Mf.G.F.: 1216; 'Dokok'.

257301. Mf.G.F.: 1430; 'Feterita Pergamino'.

257302. Mf.G.F.: 1218; 'Galia'.

257292 to 257327—Continued**257296 to 257327—Continued**

- 257303. Mf.G.F.: 1166; 'Ghirba'.
- 257304. Mf.G.F.: 1211; 'Godgi'.
- 257305. Mf.G.F.: 1230; 'Godji'.
- 257306. Mf.G.F.: 1231; 'Godji'.
- 257307. Mf.G.F.: 1116; 'Haakdoring Soetriet'.
- 257308. Mf.G.F.: 1228; 'Takam'.
- 257309. Mf.G.F.: 1228; 'Koukouro'.
- 257310. Mf.G.F.: 1219; 'Kounan'.
- 257311. Mf.G.F.: 1223; 'Kourbo'.
- 257312. Mf.G.F.: 1229; 'Kourka'.
- 257313. Mf.G.F.: 1225; 'Kourka Atchie'.
- 257314. Mf.G.F.: 1214; 'Madara'.
- 257315. Mf.G.F.: 1212; 'Mandara'.
- 257316. Mf.G.F.: 1191; 'Matso Ga Ng'onzi'.
- 257317. Mf.G.F.: 1195; 'Mweru Type'.
- 257318. Mf.G.F.: 1213; 'Nadjada'.
- 257319. Mf.G.F.: 1217; 'Nadjada Aingoni'.
- 257320. Mf.G.F.: 1427; 'Oliveros Carcarana MAG'.
- 257321. Mf.G.F.: 1428; 'Oliveros Panana MAG'.
- 257322. Mf.G.F.: 1204; 'Orange Nero 463'.
- 257323. Mf.G.F.: 1209; 'Panhare'.
- 257324. Mf.G.F.: 1137; 'Rosso Lombardo'.
- 257325. Mf.G.F.: 1172; 'Rosso Lombardo 360'.
- 257326. Mf.G.F.: 1167; Self.
- 257327. Mf.G.F.: 1210; 'Urtchinn'.

257328 to 257341. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Brazil. Cuttings presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Apr. 29, 1959.

- 257328. CB.41/76 (POJ. 2878 $\times$?).
- 257329. CB.47/15 (POJ. 2947 $\times$ Co. 331).
- 257330. CB.48/12 (Co. 213 $\times$ Co. 290).
- 257331. CB.49/260 (CB.44/260 $\times$?).
- 257332. CB.50/66 (POJ. 2878 $\times$ POJ. 2822).
- 257333. IAC.50/90 (Co. 419 $\times$ U.S. 1694).
- 257334. IAC.50/134 (Co. 419 $\times$ Co. 285).
- 257335. IAC.50/218 (Co. 421 $\times$ Co. 285).
- 257336. IAC.54/69 (Co. 419 $\times$ CP. 1165).
- 257337. IAC.54/75 (CP/34/120 $\times$ CP. 29/116).
- 257338. IAC.54/439 (CB.40/46 $\times$ CP. 27/139).
- 257339. IAC.55/18 (Co. 290 $\times$ POJ 2878).
- 257340. IAC.55/26 (Co. 299 $\times$ POJ 2878).
- 257341. IAC.55/29 (Co. 290 $\times$ POJ 2878).

257342 and 257343.

From Kenya. Bulbs and seeds presented by the United States Consul, Nairobi.

Received Apr. 29, 1959.

257342. *NARCISSUS TAZETTA* L. Amaryllidaceae.

Red. (Bulbs.)

257343. *SALVIA* sp. Menthaceae.

Blue. South African Seed Company, Johannesburg, Union of South Africa.
(Seeds.)

257344 to 257349. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From the Netherlands. Presented by the Stichting voor Plantenveredeling, Wageningen. Received May 1, 1959.

257344. ATT 54-106-1. (Tubers.)

257345 to 257349. (Seeds.)

257345. ATT 53-124 × 'Katahdin'.

257346. ATT 54-19-6 × 'Katahdin'.

257347. ATT 54-31-26 × 'Katahdin'.

257348. ATT 55-169 × 'Katahdin'.

257349. ATT 225 × 'Katahdin'.

257350 to 257403.

From Colombia. Seeds collected and presented by R. W. Allard and Carl Tucker, University of California, Davis, California. Received May 1, 1959.

Collected Feb. 12, 1959.

257350 to 257401. *PHASEOLUS LUNATUS* L. Fabaceae.

Lima bean

257350 to 257358. Barranquilla market, Atlantico Dept.

257350. Col. No. 47.

257355. Col. No. 58.

257351. Col. No. 48.

257356. Col. No. 59.

257352. Col. No. 49.

257357. Col. No. 60.

257353. Col. No. 56.

257358. Col. No. 61.

257354. Col. No. 57.

255359. Col. No. 62. Ciengag de Oro market, Bolivar Dept.

257360 and 257361. Cartagena market, Bolivar Dept.

257360. Col. No. 63.

257361. Col. No. 64.

257362 to 257364. Sincelejo market, Bolivar Dept.

257362. Col. No. 65.

257363. Col. No. 66.

257364. Col. No. 67.

257365. Col. No. 68. Small farm near Pueblo Nuevo.

257366 to 257370. Atlantico Dept.

257366. Col. No. 70.

257369. Col. No. 73.

257367. Col. No. 71.

257370. Col. No. 74.

257368. Col. No. 72.

257371. Col. No. 75. Galapa, Atlantico Dept.

257350 to 257403—Continued**257350 to 257401—Continued**

257372 and 257373. Atlantico Dept.

257372. Col. No. 76.

257373. Col. No. 77.

257374. Col. No. 78. 'Frijol caraota'. Turbo.

257375 to 257377. Antioquia Dept.

257375. Col. No. 79.

257376. Col. No. 80. 'Habascundas'.

257377. Col. No. 81.

257378 and 257379. Magdalena Dept.

257378. Col. No. 82.

257379. Col. No. 83.

257380. Col. No. 84. Bolivar Dept.

257381. Col. No. 85. Tolima.

257382. Col. No. 86. Tulio Ospina Station.

257383. Col. No. 87. Jangandi, Belgian Congo. From Tulio Ospina Station collection.

257384 to 257389. Collected in the Cartagena market, Bolivar Dept.

257384. Col. No. 88. Monteria.

257385. Col. No. 89.

257386 to 257389. Grown at Santa Rosa.

257386. Col. No. 91.

257387. Col. No. 92.

257388. Col. No. 93.

257389. Col. No. 94.

257390 to 257392. Honda market.

257390. Col. No. 95. 'Frijol Balin'.

257391. Col. No. 96. 'Frijol Balin'.

257392. Col. No. 97. 'Frijol Balin'.

257393 to 257401. Collected at La Gloria Farm, Honda, Tolima Dept.

257393. Col. No. 98.

257394. Col. No. 99.

257395. Col. No. 100.

257396. Col. No. 101.

257397. Col. No. 102.

257398. Col. No. 103.

257399. Col. No. 104.

257400. Col. No. 105.

257401. Col. No. 106.

257402. *PHASEOLUS VULGARIS* L. Fabaceae.

Common bean.

Col. No. 69. Medellin market, Antioquia Dept.

257403. *RHYNCHOSIA* sp. Fabaceae.

Col. No. 90. Roadside near Carmen, Antioquia Dept.

257404 to 257406. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From the British West Indies. Seeds presented by the Cocoa Board, Department of Agriculture, St. Clair, Port of Spain, Trinidad. Received May 4, 1959.

257404. ICS 39 × TSA 644.

257405. SCA-12 × ICS-1.

257406. SCA-12 × ICS-6.

257407 to 257426.

From Argentina, Costa Rica, Panama, and Peru. Seeds collected and presented by R. W. Allard and Carl Tucker, University of California, Davis, California. Received May 4, 1959.

257407 to 257424. PHASEOLUS LUNATUS L. Fabaceae. Lima bean.

257407. Col. No. 50. Santa Ana-Santiago de Puriscal roadside, Costa Rica.

257408. Col. No. 51. 'Mariguita'. Piedades de Santa Ana, Costa Rica. Perennial vine.

257409. Col. No. 52. 'Mariguita'. Piedades de Santa Ana, Costa Rica.

257410. Col. No. 53. Escazu, Costa Rica. Perennial vine.

257411 to 257423. Argentina.

257411. Col. No. 228. (No field note.)

257412. Col. No. 229. Coronel Moldes.

257413. Col. No. 230. Tucuman.

257414. Col. No. 231. Santa Lucia.

257415. Col. No. 232. Santiago de Estero.

257416. Col. No. 233. La Cocha.

257417. Col. No. 234. La Cocha.

257418. Col. No. 235.

257419. Col. No. 236.

257420. Col. No. 237.

257421. Col. No. 238.

257422. Col. No. 239.

257423. Col. No. 240.

257424. Col. No. 227. 'Frijol moco negro'. Tarma, near Hauncayo, Peru.

257425. RHYNCHOSIA sp. Fabaceae.

Col. No. 54. Roadside, Cerro Azul, Panama. Perennial vine.

257426. RHYNCHOSIA sp.

Col. No. 55. Roadside, Cerro Azul, Panama. Perennial vine.

257427. CARICA PAPAYA L. Caricaceae. Papaya.

From Ceylon. Seeds presented by the Department of Agriculture, Peradeniya. Received May 4, 1959.

C.P. 124. High yield of papain.

257428 to 257439. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Germany. Seeds presented by the Max-Planck-Institut für Zuchtforschung, Köln-Vogelsang. Received May 4, 1959.

257428. Soja C.-St. 1/58; 192 × 614; SR. 21/c.9/57 R.

257429. Soja C.-St. 4/58; 188 × 3012.

257428 to 257439—Continued

257430. Soja C.-St. 7/58; 614 × 1936; SR. 8/43 V.
 257431. Soja C.-St. 12/58; 614 × 1936.
 257432. Soja C.-St. 14/58; 192 × 614.
 257433. Soja C.-St. 15/58; 3293 × 2067; SR. 24/58 R.
 257434. Soja B 45/58 R; (188 × 3012) × (441 × 1698); E. 1958.
 257435. Soja B 49/58 R; (614 × 192) × Kabott; E. 1958.
 257436. Soja C 8/58 R; (192 × 614); E. 1958.
 257437. Soja C 24/58 R; (441 × 1698); E. 1958.
 257438. Soja C 25/58 R; (441 × 866) S; E. 1958.
 257439. Soja C 29/58 R; (188 × 3012) × (411 × 1698); E. 1958.

257440 to 257463.

From the Union of South Africa. Seeds presented by the Agricultural Experiment Station, Davis, California. Received May 4, 1959.

257440. GLYCINE MAX (L.) Merr. Fabaceae. **Soybean.**
 5256.
 257441. PHASEOLUS (hybrid). Fabaceae. **Bean.**
 (P. coccineus × 'Black Wonder') × 'Mericon Robust'; 'Bornbust'.
 257442 to 257462. RICINUS COMMUNIS L. Euphorbiaceae. **Castorbean.**
 257442. 'Adamdam'.
 257443. ES.
 257444. Hybrid 22.
 257445. H 33 ('Adamdam').
 257446. H 33 ('Caster') F.
 257447. H 55 (KL6).
 257448. KL6.
 257449. M4 × 'Dawn F'.
 257450. M4 58.
 257451. M4 × B296 F.
 257452. M4 × US 12-12 F.
 257453. M4 × US 51 F.
 257454. M4 × US 101 F.
 257455. M4 × US 3/415/9 F.
 257456. M4 × US 4/322-11-6 F.
 257457. M4 × US 319-18 F.
 257458. M4 × US 384-8-6 F.
 257459. M4 × US 384-810-6 F. (Bulked.)
 257460. M4 × US 574-25 F. (Bulked.)
 257461. MC (H55).
 257462. Nebr. 145-4 × M4. (Reverted plants n. mon.) Bulk F.
 257463. VIGNA SINENSIS (Torner) Savi Fabaceae. **Common cowpea.**

257464 to 257469. ACTINIDIA CHINENSIS Planch. Dilleniaceae.**Yang tao.**

From New Zealand. Cuttings presented by the Department of Agriculture, Auckland. Received May 5, 1959.

257464. 'Abbott'.

257467. 'Greensill'.

257465. 'Allison'.

257468. 'Hayward'.

257466. 'Bruno'.

257469. 'Pollinator'.

257470. CHAILLETIA CYMOSA Hook. Dichapetalaceae.

From the Union of South Africa. Cuttings presented by the Division of Crops and Pastures, Pretoria. Received May 5, 1959.

257471. SESAMUM INDICUM L. Pedaliaceae.**Sesame.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received May 6, 1959.

Grown at the Agricultural Research Station, Niphad Nasik.

257472. CYNARA SCOLYMUS L. Asteraceae.**Globe artichoke.**

From Spain. Seeds presented by the Horticulture Station, Valencia. Received May 6, 1959.

'Violeta'.

257473 to 257483.

From Great Britain. Plants presented by the Royal Botanic Gardens, Kew, Richmond, Surrey, England. Received May 6, 1959.

257473. RHODODENDRON JASMINIFLORUM Hook. Ericaceae.

257474. RHODODENDRON (hybrid).

'Clorinda'. (Javanese hybrid. Unknown parentage.)

257475. RHODODENDRON LONGIFLORUM Lindl.

257476. RHODODENDRON $\times$ BALSAMAEFLORUM Veitch

'Ne-Plus-Ultra'.

257477. RHODODENDRON $\times$ BALSAMAEFLORUM Veitch

'Pink Delight'. (Javanese hybrid. Parentage unknown.)

257478. RHODODENDRON $\times$ BALSAMAEFLORUM Veitch

'Princess Alexandra'. (*R. jasminiflorum* $\times$ *R. 'Princess Royal'*.)

257479. RHODODENDRON $\times$ BALSAMAEFLORUM Veitch

'Red Prince'. (Javanese hybrid. Parentage unknown.)

257480. RHODODENDRON RETUSUM Benn.

257481. RHODODENDRON $\times$ TAYLORI Veitch

(*R. brookeanum* $\times$ 'Princess Alexandra')

257482. RHODODENDRON $\times$ BALSAMAEFLORUM Veitch

'Ne Plus Ultra'.

257483. TAPEINOCHEILOS ANANASSAE K. Schum. Zingiberaceae.

257484. LYCOPERSICON ESCULENTUM Mill. Solanaceae.**Tomato.**

From the United States. Seeds presented by the H. J. Heinz Company, Bowling Green, Ohio. Received May 6, 1959.

'Rutgers' $\times$ 'Hanna 57'; 'Heinz 302'. Large, vigorous, determinate. Drought resistant plant. Determinate feature shows up very late. Yield heavy, tends to concentrate.

257485 to 257491.

From Peoples Republic of China. Seeds presented by the Harbin College of Agriculture, Manchuria. Received May 7, 1959.

257485. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

Leaves large; fruits short, fleshy, sweet.

257486 and 257487. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**

257486. 'Yi-sang'. Drought resistant variety; fruits to 15 cm. long. For pickling and canning.

257487. 'Water-cucumber'. Late variety. Staking and irrigation required; fruits elongated.

257488 and 257489. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

257488. Staking and removing of the auxillary branches are necessary; fruits globular, orange-colored.

257489. Early variety; fruit small, peach-shaped.

257490. *RAPHANUS SATIVUS* L. Brassicaceae. **Radish.**

Root large, scarlet. Winter type.

257491. *SOLANUM MELONGENA* L. Solanaceae. **Eggplant.**

Early variety. Fruits elongated, violet-black.

257492. *PISUM SATIVUM* L. Fabaceae. **Pea.**

From Sweden. Seeds presented by the Weibull Plant Breeding Institute, Landskrona. Received May 8, 1959.

L5/55.

257493 and 257494.

From Iran. Seeds presented by the United States Operations Mission, Teheran. Received May 8, 1959.

257493. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

'Carbozay'-'Evankey'; 'Abbas Shori'. From Donishar. Considered best variety in Iran.

257494. *CUCUMIS SATIVUS* L. **Cucumber.**

From Shimron.

257495. *TRIFOLIUM REPENS* L. Fabaceae. **Whiteclover.**

From Australia. Seeds presented by Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 8, 1959.

V101; 'Victorian Irrigation White'.

257496 and 257497.

From Great Britain. Seeds presented by the Tropical Products Institute, London, England. Received May 8, 1959.

257496. *HIBISCUS CANNABINUS* L. Malvaceae. **Kenaf.**

'Plateau'. From Nigeria.

257497. *URENA LOBATA* L. Malvaceae.

'Mokwa'. From Nigeria.

257498. *PINUS PALUSTRIS* Mill. Pinaceae. **Longleaf pine.**

From Denmark. Seeds presented by the Frost A/S, Borkop. Received May 11, 1959.

257499 and 257500.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 11, 1959.

257499. *MEDICAGO PLATYCARPA* (L.) Trautv. Fabaceae.

Formerly from Leningrad, U.S.S.R. Found wild in timber clearing in Central Siberia. A strong growing perennial of trailing habit; flowers yellow; pod flat and black when ripe. Will endure extreme cold weather.

257500. *MUSA BANKSII* F. Muell. Musaceae.

Coachable Creek. Queensland. An endemic species of moderate height, stoloniferous, with the habit of *M. paradisiaca*. Leaves to six feet long; petioles to two feet long; flowers to 20 per bract, on short pedicels; perianth (male) conspicuously striate; ovary $\frac{3}{4}$ in., rudimentary, with style as long as the stamen, slightly clavate at the end; fruit in hands of 12 to 20, each one on a stipe, cylindrical, straight or slightly incurved, to five inches long. Seeds about 4 mm. diameter, irregularly angular from pressure; testa coriaceous marked with a broad concave hilum; albumen very white mealy, almost granular.

257501 to 257505.

From the Union of Soviet Socialist Republics. Seeds presented by the Farm Research Branch, Agricultural Research Service, Washington, D.C. Received May 11, 1959.

257501. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**
'Ardei Gras d Colibasi'.

257502. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**
'Turkestan'.

257503. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
'Aurora'.

257504 and 257505. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

257504. 'Baragan 77'. Winter type.

257505. C.185. Winter type.

257506 to 257517. ZEA MAYS L. Poaceae. Corn.

From France. Seeds presented by the National Institute for Agricultural Research, Clermont-Ferrand. Received May 11, 1959.

Line *Earliness of silking* *Source*

(P.I. 257513 is the standard.)

257506.	F2	-8	Lacaune.
257507.	F7	-9	Lacaune.
257508.	F10	-5	Etiole de Normandie.
257509.	F22	-5	Bresse.
257510.	F47	-3	Tarbes.
257511.	F49	-3	Chalosse sample X American hybrid.
257512.	F52	-3	Pays Basque.
257513.	F115	0	Ia 153 (U.S.A.).
257514.	FV181	-1	Netherlands.
257515.	F431	+4	Chalosse sample X American hybrid.
257516.	F39	+5	Pays Basque.
257517.	FC46	+5	Bresse.

257518 to 257531.

From France. Seeds presented by the National Museum of Natural History, Paris. Received May 11, 1959.

257518. *CORONILLA CAPPADOCICA* Willd. Fabaceae.
 257519. *CORONILLA CORONATA* L.
 257520. *CORONILLA EMERUS* L. Scorpion-senna.
 257521. *CORONILLA GLAUCA* Jusl. Honey coronilla.
 257522. *CORONILLA JUNCIA* L.
 257523. *CORONILLA MINIMA* L.
 257524. *CORONILLA SCORPIOIDES* (L.) Koch.
 257525. *CORONILLA VARIA* L. Crownvetch.
 257526. *LOTUS ANGUSTISSIMUS* L. Fabaceae.
 257527. *LOTUS CORNICULATUS* L. Birdsfoot trefoil.
 257528. *LOTUS ORNITHOPODIODES* L.
 257529. *LOTUS TENUIFOLIUS* Presl.
 257530. *LOTUS WEILLERI* Maire.
 257531. *PENNISETUM LONGISTYLUM* Hochst. Poaceae.

257532. CUCURBITA MOSCHATA Duchesne Cucurbitaceae.**Cushaw.**

From the Canary Islands. Seeds presented by C. V. Porter, Blaine, Washington. Received May 11, 1959.

Collected at Las Palmas.

257533. TEPHROSIA VOGELII Hook. f. Fabaceae.

From Puerto Rico. Seeds presented by the Federal Plant Experiment Station, Mayaguez. Received May 12, 1959.

No. 10247. Station 3: Var. 2.

257534 to 257538. SOLANUM TUBEROSUM L. Solanaceae. **Potato.**

From Brazil. Tubers presented by the Instituto Agronomico, Campinas, Sao Paulo. Received May 12, 1959.

- | | |
|-------------------|-------------------|
| 257534. IAC-2. | 257537. IAC-3195. |
| 257535. IAC-705. | 257538. IAC-3551. |
| 257536. IAC-2339. | |

257539 to 257543.

From China. Plants presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received May 12, 1959.

257539. *DIGITARIA DECUMBENS* Stent. Poaceae.
 A-24. Introduced from the Philippines in 1957.
 257540. *DIGITARIA PENTZII* Stent.
 A-32. Introduced from the Philippines in 1957.
 257541. *CENCHRUS CILIARIS* L. Poaceae. Buffelgrass.
 A-37. Introduced from the University of the Philippines, Los Banos in 1957. Leaves light grayish green, somewhat scabrous.
 257542 and 257543. *PENNISETUM CLANDESTINUM* Hochst. Poaceae. Kikuyugrass.
 257542. A-56. Drought resistant.
 257543. A-57. Drought resistant.

257544. TRITICUM ORIENTALE Percival Poaceae.

From Iran. Seeds presented by an unknown donor. Received May 12, 1959.
No. 263a-2.

257545 and 257546 ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Italy. Seeds presented by the Instituto Agronomico per l'Oltremare, Florence. Received May 13, 1959.

257545. 'Kandeish.' Plant erect, producing small size fruits, each containing 1-2 seeds; seed-shell ratio is about 4:1; oil content of seed is 45-50 percent. In Somalia, in irrigated fields, the growth cycle is about 110-125 days. Grown for oil.

257546. 'Spanish 3-4.' Plant erect; fruits of medium size, elongate, each containing 3-4 seeds; seed-shell ratio is about 3:1; oil content of seeds is 43-45 percent. Growth cycle, under irrigation, is 95-105 days. Grown for edible seeds.

257547 to 257569. PHASEOLUS LUNATUS L. Fabaceae. Lima bean.

From Mexico. Seeds presented by the Rockefeller Foundation, Mexico, D.F. Received May 14, 1959.

257547. 'Nayarit 2' (9150).

257548. 'Chiapas 137-A' (9151).

257549. 'Chiapas 138-A' (9152).

257550. 'Chiapas 142-A' (9153).

257551. 'Chiapas 147-A' (9154).

257552. 'Chiapas 150-A' (9155).

257553. 'Chiapas 186-A' (9156).

257554. 'Chiapas 195-A' (9157).

257555. 'Chiapas 196-A' (9158).

257556. 'Chiapas 196-B' (9159).

257557. 'Chiapas 198-A' (9160).

257558. 'Chiapas 199-A' (9161).

257559. 'Chiapas 199-B' (9162).

257560. 'Chiapas 200-A' (9163).

257561. 'Chiapas 200-B' (9164).

257562. 'Chiapas 206-A' (9165).

257563. 'Chiapas 212-A' (9166).

257564. 'Chiapas 216-A' (9167).

257565. 'Chiapas 216-B' (9168).

257566. 'Chiapas 220-A' (9169).

257567. 'Chiapas 233-A' (9170).

257568. 'Chiapas 233-C' (9171).

257569. 'Chiapas 247-A' (9172).

257570. NOTHOFAGUS GUNNII (Hook. f.) Oerst. Fabaceae.**Falsebeech.**

From Tasmania. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Tasmanian Regional Laboratory, Hobart. Received May 12, 1959.

257571 and 257572.

From Brazil. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 14, 1959.

257571. *ASPARAGUS PLUMOSUS* Baker Convallariaceae. **Fern asparagus.**

Col. No. 18193. Botanical Garden, Rio de Janeiro. Climber; fronds fine.

257572. *ASPARAGUS VIRGATUS* Baker

Col. No. 18201. Botanical Garden, Rio de Janeiro. Plant erect, open; stem to 2.5 feet high.

257573. *AGAVE LOPHANTHA* Schiede Amaryllidaceae. **Crested agave.**

From the United States. Plants presented by D. S. Correll, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received May 15, 1959, from Texas.

257574 to 257580. *VIGNA SINENSIS* (Torner) Savi Fabaceae. **Common cowpea.**

From Nigeria. Seeds presented by the Ministry of Agriculture, Moor Plantation, Ibadan. Received May 19, 1959.

257574. 'Kuzaima'.

257575. 'Paraguay 1'.

257576. 'Paraguay 5'.

257577. 'Paraguay 6'.

257578. C5711-1-2-3.

257579. C5711-1-2-6.

257580. C5711-1-2-7.

257581 to 257639.

From Ethiopia. Seeds presented by the Imperial College of Agriculture, Addis Ababa. Received May 20, 1959.

257581. *AMMI COPTICUM* L. Apiaceae.

'White Abusuda'.

257582. *CARTHAMUS TINCTORIUS* L. Asteraceae.

Safflower.

257583 to 257586. *CICER ARIETINUM* L. Fabaceae.

Chickpea.

257583. Seeds white.

257584. Seeds black.

257585. Seeds light yellow.

257586. Seeds reddish-brown.

257587. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae.

Ragi.

'Dagussa'.

257588. *GUIZOTIA ABYSSINICA* (L.f.) Cass. Asteraceae.

'Nug Black'.

257589. *LATHYRUS SATIVUS* L. Fabaceae.

Grass peavine.

'Guave'.

257590. *LINUM USITATISSIMUM* L. Linaceae.

Common flax.

257591. *NIGELLA ARVENSIS* L. Ranunculaceae.

'Black Abusuda'.

257581 to 257639—Continued

- 257592 to 257594. *PISUM SATIVUM* L. Fabaceae. Pea.
 257592. Field peas mixture.
 257593. Field peas. Seed coat mottled.
 257594. White peas.
- 257595 to 257603. *SORGHUM BICOLOR* (L.) Moench Poaceae.
 257595. 'No. 1 Gambela'. 257600. 'No. 6 Gambela'.
 257596. 'No. 2 Gambela'. 257601. 'No. 7 Gambela'.
 257597. 'No. 3 Gambela'. 257602. 'No. 8 Gambela'.
 257598. 'No. 4 Gambela'. 256603. 'No. 9 Gambela'.
 257599. 'No. 5 Gambela'.
257604. *TRIGONELLA FOENUM-GRÆCUM* L. Fabaceae. Fenugreek.
 257605 to 257639. *ZEА MAYS* L. Poaceae. Corn.
- | | |
|---------------------------|---------------------------|
| 257605. 'No. 1 Gambela'. | 257623. 'No. 19 Gambela'. |
| 257606. 'No. 2 Gambela'. | 257624. 'No. 20 Gambela'. |
| 257607. 'No. 3 Gambela'. | 257625. 'No. 21 Gambela'. |
| 257608. 'No. 4 Gambela'. | 257626. 'No. 22 Gambela'. |
| 257609. 'No. 5 Gambela'. | 257627. 'No. 23 Gambela'. |
| 257610. 'No. 6 Gambela'. | 257628. 'No. 24 Gambela'. |
| 257611. 'No. 7 Gambela'. | 257629. 'No. 25 Gambela'. |
| 257612. 'No. 8 Gambela'. | 257630. 'No. 26 Gambela'. |
| 257613. 'No. 9 Gambela'. | 257631. 'No. 27 Gambela'. |
| 257614. 'No. 10 Gambela'. | 257632. 'No. 28 Gambela'. |
| 257615. 'No. 11 Gambela'. | 257633. 'No. 29 Gambela'. |
| 257616. 'No. 12 Gambela'. | 257634. 'No. 30 Gambela'. |
| 257617. 'No. 13 Gambela'. | 257635. 'No. 31 Gambela'. |
| 257618. 'No. 14 Gambela'. | 257636. 'No. 32 Gambela'. |
| 257619. 'No. 15 Gambela'. | 257637. 'No. 33 Gambela'. |
| 257620. 'No. 16 Gambela'. | 257638. 'No. 34 Gambela'. |
| 257621. 'No. 17 Gambela'. | 257639. 'No. 35 Gambela'. |
| 257622. 'No. 18 Gambela'. | |

257640 to 257658.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received May 20, 1959.

- 257640 to 257643. *HELIANTHUS ANNUS* L. Asteraceae. Common sunflower
 257640. 'Cernyanka No. IIa'. Grown at the Voronezh Experiment Station. Resistant to race "A" *Orobanchе*.
 257641. 'Stepnyak'. Grown at the Don Experiment Station. Resistant to the complex race of *Orobanchе*.
 257642. 'Vniimk No. 1646'. Grown at Vneemzlek. Resistant to the complex race of *Orobanchе*.
 257643. 'Vniimk No. 3519'. Grown at Kuban Experiment Station. Resistant to race "A" *Orobanchе*.

257640 to 257658—Continued

257644 to 257651. *LINUM USITATISSIMUM* L. Linaceae. **Common flax.**

257644. 'Barnaud No. 18'. Grown at Ustemov Experiment Station.

257645. 'Bucharian No. 32'.

257646. 'Gissarsky No. 474'.

257647. 'Kagalnitz No. 3351'. Grown at Ustemov Experiment Station.

257648. 'Krasnokut No. 420'. Grown at Ustemov Experiment Station.

257649. 'Shatilov No. 39'. Grown at Ustemov Experiment Station.

257650. 'VIR No. 1647'.

257651. 'VIR No. 1650'.

257652 to 257654. *RICINUS COMMUNIS* L. Euphorbiaceae. **Castorbean.**

257652. 'Sanguineous No. 401'.

257653. 'Sanguineous Syntheticus'. Grown at Vneemk.

257654. 'Vniimk No. 1651. Grown at Vneemk.

257655 to 257658. *SESAMUM INDICUM* L. Pedaliaceae. **Sesame.**

257655. Des No. 23. Grown at the Don Experiment Station.

257656. 'Kubanetz No. 55'. Grown at Vneemk.

257657. 'Tashkentski No. 122'. Grown at the Central Asian Experiment Station.

257658. 'Vniimk'. Grown at Vneemk.

257659 and 257660. *CHAENOMELES LAGENARIA* (Loisel.) Koidz. **Japanese quince.**
Malaceae.

From the United States. Plants presented by the Arnold Arboretum, Jamaica Plain, Massachusetts. Numbered May 20, 1959.

257659. 'Grandiflora'.

257660. 'Nivalsi'.

257661. *SYRINGA VULGARIS* L. Oleaceae. **Common lilac.**

From Yugoslavia. Seeds presented by the agricultural attache, United States Embassy, Belgrade. Numbered May 25, 1959.

257662 to 257811.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received May 26, 1959.

257662 and 257663. *AESCHYNOMENE INDICA* L. Fabaceae.

257662. No. Q226. Queensland.

257663. No. W661. Tropical Western Australia.

257664. *AGROPYRON OBTUSIUSCULUM* Lange Poaceae.

N. 9353. Ottawa, Canada.

257665. *ALOPECURUS ARUNDINACEUS* Poir. Poaceae.

No. 14022. Northern Italy.

257666. *ALYSICARPUS RUGOSUS* (Willd.) DC. Fabaceae.

No. C865. Northern Australia.

257667. *ALYSICARPUS VAGINALIS* (L.) DC.

Alyceclover.

No. C945. Northern Australia.

257668. *ANCISTRACHNE UNCINULATA* (R. Br) S. T. Blake Poaceae.

N. Q281. Queensland.

257662 to 257811—Continued**257669 to 257671.** *ARUNDINELLA NEPALENSIS* Trin. Poaceae.**257669.** No. Q275. Queensland.**257670.** No. C904. Northern Australia.**257671.** No. C949. Northern Australia. Plant erect, to five feet high, fairly leafy, good seed habit. Requires tropical climate and good soil.**257672.** *ASTREBLA SQUARROSA* C. E. Hubb. Poaceae.

No. W667. Tropical Western Australia.

257673 and 257674. *ATYLSIA MARMORATA* Benth. Fabaceae.**257673.** No. W775. Tropical Western Australia.**257674.** No. C894. Northern Australia.**257675.** *BOSSIAEA FOLIOSA* A. Cunn. Fabaceae.

No. 528. Australia Capital Territory.

257676. *BOTHRIOCHLOA DECIPIENS* (Hqck.) C. E. Hubb. Poaceae.

No. Q199. Queensland.

257677. *BRACHIARIA BRIZANTHA* (Hochst.) Stapf Poaceae.**Palisade signalgrass.**

No. 15890. Tanganyika.

257678. *BRACHIARIA HUMIDICOLA* (Rendle) Schweick.

No. 20742. Kenya.

257679. *BRACHIARIA NIGROPEDATA* (Munro) Stapf.

No. 20723. Kenya.

257680. *BRACHYPODIUM PHOENICOIDES* (L.) Roem. & Schult. Poaceae.

No. 1719. France.

257681. *BRIZA* sp. Poaceae.

No. 12644. Malta.

257682 and 257683. *CALANDRINIA BALONENSIS* Lindl. Portulacaceae.**Parakeelya.****257682.** No. C699. Central Australia.**257683.** No. C705. Central Australia.**257684 to 257686.** *CALANDRINIA REMOTA* J. M. Black

From Central Australia.

257684. No. C706.**257685.** No. C780.**257686.** No. C807.**257687.** *CALYPTOCHLOA GRACILLIMA* C. E. Hubb. Poaceae.

No. Q274. Queensland.

257688. *CASSIA EREMOPHILA* A. Cunn. Caesalpiniaceae.

No. W536. Extra-tropical Western Australia.

257689. *CENCHRUS ECHINATUS* L. Poaceae.**Sandbur.**

No. Q308. Queensland.

257690 and 257691. *CHIONACHNE CYATHOPODA* F. Muell. Poaceae.**257690.** No. Q260. Queensland.**257691.** No. C921. Northern Australia.**257692.** *CHLORIS VENTRICOSA* R. Br. Poaceae.

No. C839 (a). Northern Australia.

257662 to 257811—Continued

- 257693.** *ROTTBOELLIA ROTTBOELLIODES* (R. Br.) Druce Poaceae.
No. C944. Northern Australia.
- 257694.** *CROTALARIA ASTRAGALINA* Hochst. Fabaceae.
No. 21010. West Africa.
- 257695.** *CROTALARIA CUNNINGHAMII* R. Br.
No. W622. Tropical Western Australia.
- 257696.** *CROTALARIA TRIFOLIASTRUM* Willd.
No. W786. Tropical Western Australia.
- 257697.** *CROTALARIA VERRUCOSA* L.
No. W679. Tropical Western Australia.
- 257698 and 257699.** *CYMOPOGON BOMBYCINUS* (R. Br.) Domin Poaceae.
257698. No. Q203. Queensland.
257699. No. C860. Northern Australia.
- 257700 to 257704.** *CYMOPOGON EXALTATUS* (R. Br.) A. Camus
257700. No. Q206. Queensland.
257701. No. C567. Central Australia.
257702. No. W639. Extra-tropical Western Australia.
257703. No. C659. Central Australia.
257704. No. W800. Extra-tropical Western Australia.
- 257705.** *CYMOPOGON OBTECTUS* S. T. Blake
No. Q283. Queensland.
- 257706.** *CYMOPOGON PROCERUS* (R. Br.) A. Camus
No. W628. Tropical Western Australia.
- 257707.** *CYMOPOGON REFRACTUS* (R. Br.) A. Camus
No. Q286. Queensland.
- 257708.** *DESMODIUM ANGUSTIFOLIUM* (H.B.K.) DC. Fabaceae.
No. 17912. Central America.
- 257709.** *DESMODIUM BIARTICULATUM* F. Muell.
No. C913. Northern Australia.
- 257710.** *DESMODIUM DISCOLOR* Vogel
No. 18102. Brazil.
- 257711.** *DESMODIUM GANGETICUM* (L.) DC.
No. 13170. Jamaica.
- 257712.** *DESMODIUM POLYCARPUM* DC.
No. C976. Northern Australia.
- 257713.** *DICHANTHIUM ARISTATUM* (Poir.) C. E. Hubb. Poaceae.
No. 14366. Pretoria, South Africa.
- 257714.** *DICHANTHIUM FECUNDUM* S. T. Blake
No. Q225. Queensland.
- 257715.** *DIGITARIA ARGYROGRAPTA* (Nees) Stapf Poaceae.
No. 16774. Worcester, South Africa.
- 257716.** *DIGITARIA VALIDA* Stent
No. 7923. Pretoria, South Africa.

257662 to 257811—Continued

257717. *ECHINOPOGON NUTANS* C. E. Hubb. Poaceae.
No. Q293. Queensland.
- 257718 and 257719. *ECTROSIA LEPORINA* R. Br. Poaceae.
257718. No. C908. Northern Australia.
257719. No. W787. Tropical Western Australia.
257720. *ECTROSIA SCHULTZII* Benth.
No. W646. Tropical Western Australia.
257721. *ENNEAPOGON GLABER* N. T. Burbidge Poaceae.
No. W657. Tropical Western Australia.
257722. *ENNEAPOGON GRACILIS* (R. Br.) Beauv.
No. Q279. Queensland.
257723. *ENTEROPOGON MACROSTACHYUS* Benth. Poaceae.
No. 20724. Kenya.
257724. *ERAGROSTIS MEGALOSPERMA* F. Muell. Poaceae.
No. Q288. Queensland.
257725. *ERIACHNE ARMITTII* F. Muell. Poaceae.
No. C878. Northern Australia.
257726. *ERIACHNE BURKITTII* P. Jansen
No. C910. Northern Australia.
- 257727 and 257728. *ERIACHNE CILIATA* R. Br.
257727. No. C857. Northern Australia.
257728. No. W427. Tropical Western Australia.
257729. *ERIACHNE GLAUCA* R. Br.
No. C906. Northern Australia.
257730. *ERIACHNE HELMSII* Domin
No. C745. Central Australia.
257731. *ERIACHNE LAIDLAWI* P. Jansen
No. W663. Tropical Western Australia.
257732. *ERIACHNE OBTUSA* R. Br.
No. C923. Northern Australia.
257733. *ERIACHNE PALLESCENS* R. Br.
No. Q264. Queensland.
257734. *ERIACHNE SCHULTZIANA* F. Muell.
No. C934. Northern Australia.
257735. *ERIOCHLOA CREBRA* S. T. Blake Poaceae. Cupgrass.
No. Q230. Queensland.
257736. *ERYTHRINA VESPERTILIO* Benth. Fabaceae.
No. C717. Central Australia.
- 257737 and 257738. *ERYTHROPHLOEM CHLOROSTACHYS* Baill. Caesalpinaceae.
257737. No. W 670. Tropical Western Australia.
257738. No. C891. Northern Australia.
257739. *FESTUCA ELATIOR* L. Poaceae. Meadow fescue.
No. 19822. Czechoslovakia.

257662 to 257811—Continued

257740 and 257741. *FESTUCA OVINA* L.

257740. No. 19705. Hungary.

257741. No. 19706. Hungary.

257742. *FESTUCA ARUNDINACEA* Schreb.

No. 19617. Uppsala, Sweden. Native to mountains of Central Europe.

257743. *HAYNALDIA HORDEACEA* (Coss. & Dur.) Hack. Poaceae.

No. 18960. Mediterranean area.

257744. *HAYNALDIA VILLOSA* (L.) Schur.

No. 18964. Mediterranean area.

257745. *HIEROCHLOE REDOLENS* (Vahl.) Roem. & Schult. Poaceae.

No. C1026. Australian Capital Territory.

257746. *ICHNANTHUS MAJUSCULUS* (F. Muell.) Hughes Poaceae.

No. W621. Tropical Western Australia.

257747. *ICHNANTHUS MUELLERI* Hughes

No. C888. Northern Australia.

257748. *ICHNANTHUS PAUCIFLORUS* (R. Br.) Hughes

No. C967. Northern Australia.

257749. *INDIGOFERA ARRECTA* Hochst. Fabaceae.

No. 17822. Kenya.

257750. *INDIGOFERA BRACHYODON* Domin

No. Q242. Queensland.

257751. *INDIGOFERA COLUTEA* (Burm. f.) Merr.

No. Q243. Queensland.

257752. *INDIGOFERA NEGLECTA* (Harv.) N. E. Br.

No. 18421. Central Africa.

257753. *INDIGOFERA SAXICOLA* F. Muell.

No. C957. Northern Australia.

257754. *ISCHAEMUM ARUNDINACEUM* F. Muell. Poaceae.

No. W637. Tropical Western Australia.

257755. *ISCHAEMUM AUSTRALE* var. *VILLOSUM* (R. Br.) Hack.

No. Q263. Queensland.

257756. *ISCHAEMUM RUGOSUM* Salisb.

No. C905. Northern Australia.

257757 to 257759. *ISEILEMA FRAGILE* S. T. Blake Poaceae.

257757. No. Q233. Queensland.

257758. No. W769. Tropical Western Australia.

257759. No. C873. Northern Australia.

257760. *ISEILEMA MACRATHERA* Domin

No. Q229. Queensland.

257761 and 257762. *ISEILEMA VAGINIFLORA* Domin

257761. No. C448. Northern Australia.

257762. No. W768. Tropical Western Australia.

257662 to 257811—Continued

- 257763.** *LISTIA HETEROPHYLLA* E. Mey. Fabaceae.
No. 18424. Central Africa.
- 257764.** *LOTUS CRETICUS* L. Fabaceae.
No. 16956. Israel.
- 257765.** *NEPTUNIA DIMORPHANTHA* Domin Mimosaceae.
No. Q227. Queensland.
- 257766.** *NEPTUNIA GRACILIS* Benth.
No. W653. Tropical Western Australia.
- 257767.** *NEPTUNIA MONOSPERMA* F. Muell.
No. W652. Tropical Western Australia.
- 257768.** *NEURACHNE CLEMENTII* Domin Poaceae.
No. W802. Tropical Western Australia.
- 257769.** *ONOBRYCHIS PEDUNCULARIS* (Cav.) DC. Fabaceae.
No. 19418. Mediterranean area.
- 257770.** *ONOBRYCHIS SAXATILIS* (L.) Lam.
No. 19699. Morocco.
- 257771.** *ONOBRYCHIS TRANSCAUCASICA* Grossh.
No. 20662. Armenia, U.S.S.R.
- 257772.** *OPHIURUS EXALTATUS* (L.) O. Kuntze Poaceae.
No. C922. Northern Australia.
- 257773.** *PANICUM CAPILLIPES* Benth. Poaceae.
No. C970. Northern Australia.
- 257774.** *PANICUM DELICATUM* Hughes
No. C968. Northern Australia.
- 257775.** *PANICUM QUEENSLANDICUM* Domin
No. Q284. Queensland.
- 257776.** *PANICUM SEMINUDUM* Domin
No. C883. Northern Australia.
- 257777.** *PANICUM TRACHYRACHIS* Benth.
No. C903. Northern Australia.
- 257778.** *PANICUM WHITEI* J. M. Black
No. Q228. Queensland.
- 257779.** *PASPALIDIUM CAESPITOSUM* C. E. Hubb. Poaceae.
No. Q280. Queensland.
- 257780.** *PASPALIDIUM GLOBOIDEUM* (Domin) Hughes
No. Q276. Queensland.
- 257781.** *PASPALIDIUM GRACILE* (R. Br.) Hughes
No. W798. Tropical Western Australia.
- 257782.** *PENNISETUM BASEDOWII* Summerh. & C. E. Hubb. Poaceae.
No. Q223. Queensland.
- 257783.** *PENNISETUM PEDICELLATUM* Trin.
No. 17122. Nigeria.

257662 to 257811—Continued

- 257784.** *PENNISETUM PURPUREUM* Schum. **Napiergrass.**
No. 16151. Sierra Leone.
- 257785.** *PENNISETUM SETOSUM* (Swartz) L. Rich.
No. 16152. Sierra Leone.
- 257786.** *PLECTRACHNE BYNOEI* C. E. Hubb. Poaceae.
No. W630. Tropical Western Australia.
- 257787.** *PLECTRACHNE PUNGENS* (R. Br.) C. E. Hubb.
No. W640. Tropical Western Australia.
- 257788.** *PLECTRACHNE RIGIDISSIMA* (Pilger) C. E. Hubb.
No. W583. Tropical Western Australia.
- 257789.** *PSEUDOPOGONATHERUM IRRITANS* (R. Br.) A. Camus Poaceae.
No. C953. Northern Australia.
- 257790 to 257795.** *PSORALEA CINERA* Lindl. Fabaceae.
257790. No. Q212. Queensland.
257791. No. Q237. Queensland.
257792. No. Q244. Queensland.
257793. No. Q258. Queensland.
257794. No. C581. Central Australia.
257795. No. C803. Central Australia.
- 257796.** *PSORALEA* sp.
No. Q208. Queensland.
- 257797.** *SACCIOLEPIS INDICA* (L.) Chase Poaceae.
No. C952. Northern Australia.
- 257798.** *SACCIOLEPIS MYOSUROIDES* (R. Br.) Chase
No. C917. Northern Australia.
- 257799.** *SCHIZACHYRIUM OBLIQUIBERBIS* (Hack.) A. Camus Poaceae.
No. C909. Northern Australia.
- 257800.** *SCHIZACHYRIUM PACHYARTHON* C. A. Gardn.
No. C961. Northern Australia.
- 257801.** *SECALE MONTANUM* Guss. Poaceae. **Mountain rye.**
No. 19360. Mediterranean area.
- 257802.** *SEHIMA NERVOSUM* (Rottb.) Stapf Poaceae.
No. C846. Northern Australia.
- 257803.** *SPOROBOLUS AUSTRALASICUS* Domin Poaceae.
No. W658. Tropical Western Australia.
- 257804 and 257805.** *THAUMASTOCHLOA PUBESCENS* (Domin) C. E. Hubb. Poaceae.
257804. No. C962. Northern Australia.
257805. No. W773. Tropical Western Australia. Closely related to the sugarcane group and *Rotiboellia* spp.
- 257806.** *TRICHOAENA REPENS* (Willd.) Hitchc. Poaceae. **Natalgrass.**
No. 17762. Kenya.
- 257807.** *TRIFOLIUM HYBRIDUM* var. *PRATENSE* Rabenh. Fabaceae.
No. 14045. Northern Italy.

257662 to 257811—Continued**257808.** *TRIFOLIUM REPENS* L.**Whiteclover.**

No. 19768. Genova, Italy.

257809. *TRIFOLIUM SQUARROSUM* L.

No. 19487. Rome, Italy.

257810. *VETIVERIA FILIPES* (Benth.) C. E. Hubb. Poaceae.

No. Q269. Queensland.

257811. *ZOYSIA MATRELLA* (L.) Merr. Poaceae.**Manilagrass.**

No. Q266. Queensland.

257812. *THEOBROMA CACAO* L. Sterculiaceae.**Cacao.**

From Ghana. Seeds presented by the West African Cocoa Research Institute, Tafo. Received May 27, 1959.

'Amelonado'.

257813 and 257814. *SOLANUM TUBEROSUM* L. Solanaceae. **Potato.**

From Norway. Tubers presented by A. P. Lunden, Landbrukshogakolen, Vollebekk. Received May 27, 1959.

257813. 'Mandel'.**257814.** 'Ringerike'.**257815 to 257817.** *CITRUS* (hybrids). Rutaceae.

From Argentina. Cuttings and seeds presented by the Estacion Experimental Agropecuaria de Concordia (E. Rios). Received May 28, 1959.

(*Citrus sinensis* × *Poncirus trifoliata*).**257815 and 257816.** Cuttings.**257815.** 'Concordia'. From Argentina.**257816.** 'Marrakesh'. From Morocco.**257817.** 'Concordia'. Seeds from Argentina.**257818 to 257829.**

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Tasmanian Regional Office, Hobart. Received May 29, 1959.

257818. *BELLENDENA MONTANA* R. Br. Proteaceae.

Adamson's Park.

257819. *COPROSMA NITIDA* Hook. f. Rubiaceae.

Mt. Wellington.

257820. *GAULTHERIA HISPIDA* R. Br. Ericaceae.

'Snow Berry'. Adamson's Park.

257821 to 257823. *LEPTOSPERMUM SCOPARIUM* Forst. Myrtaceae. **Manuka****257821.** Adamson's Park.**257822.** Hartz Mountains.**257823.** Mount Wellington.**257824.** *MILLIGANIA DENSIFLORA* Hook. Liliaceae.

Hartz Mountains.

257825. *ORITES REVOLUTA* R. Br. Proteaceae.

Hartz Mountains.

257826. *PRIONOTES CERINTHOIDES* R. Br. Epacridaceae.

Adamson's Park.

257818 to 257829—Continued**257827.** STYPHELIA ACEROSA (Gaertn.) Laing & Blackwell. Epacridaceae.**257828.** TROCHOCARPA DISTICHA Spreng. Epacridaceae.

Adamson's Park.

257829. TROCHOCARPA THYMIFOLIA (R. Br.) Spreng.

Hartz Mountains.

257830 to 258352. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Mexico. Tubers presented by the Oficina de Estudios Expeciales, Londres, Mexico, D.F. Received June 2, 1959.

257830 to 257880. 'Bintje' $\times$ 135-7.**257830.** 57 A.H. No. 1.**257831.** 57 A.H. No. 2.**257832.** 57 A.H. No. 3.**257833.** 57 A.H. No. 4.**257834.** 57 A.H. No. 5.**257835.** 57 A.H. No. 6.**257836.** 57 A.H. No. 7.**257837.** 57 A.H. No. 8.**257838.** 57 A.H. No. 9.**257839.** 57 A.H. No. 10.**257840.** 57 A.H. No. 11.**257841.** 57 A.H. No. 13.**257842.** 57 A.H. No. 16.**257843.** 57 A.H. No. 18.**257844.** 57 A.H. No. 19.**257845.** 57 A.H. No. 20.**257846.** 57 A.H. No. 21.**257847.** 57 A.H. No. 22.**257848.** 57 A.H. No. 23.**257849.** 57 A.H. No. 24.**257850.** 57 A.H. No. 25.**257851.** 57 A.H. No. 27.**257852.** 57 A.H. No. 28.**257853.** 57 A.H. No. 29.**257854.** 57 A.H. No. 30.**257855.** 57 A.H. No. 32.**257856.** 57 A.H. No. 33.**257857.** 57 A.H. No. 34.**257858.** 57 A.H. No. 35.**257859.** 57 A.H. No. 36.**257860.** 57 A.H. No. 37.**257861.** 57 A.H. No. 38.**257862.** 57 A.H. No. 39.**257863.** 57 A.H. No. 41.**257864.** 57 A.H. No. 42.**257865.** 57 A.H. No. 43.**257866.** 57 A.H. No. 44.**257867.** 57 A.H. No. 45.**257868.** 57 A.H. No. 49.**257869.** 57 A.H. No. 52.**257870.** 57 A.H. No. 53.**257871.** 57 A.H. No. 54.**257872.** 57 A.H. No. 56.**257873.** 57 A.H. No. 57.**257874.** 57 A.H. No. 58.**257875.** 57 A.H. No. 60.**257876.** 57 A.H. No. 63.**257877.** 57 A.H. No. 64.**257878.** 57 A.H. No. 65.**257879.** 57 A.H. No. 66.**257880.** 57 A.H. No. 67.**257881 to 257883.** 'Green Mt'. $\times$ 133-3.**257881.** 57 A.N. No. 3.**257883.** 57 A.N. No. 7.**257882.** 57 A.N. No. 6.**257884.** 57 A.O. No. 1.**257889.** 57 A.O. No. 8.**257885.** 57 A.O. No. 2.**257890.** 57 A.O. No. 9.**257886.** 57 A.O. No. 3.**257891.** 57 A.O. No. 10.**257887.** 57 A.O. No. 4.**257892.** 57 A.O. No. 11.**257888.** 57 A.O. No. 7.**257893.** 57 A.O. No. 12.

257830 to 258352—Continued

257894.	57 A.O. No. 13.	257937.	57 A.O. No. 63.
257895.	57 A.O. No. 14.	257938.	57 A.O. No. 64.
257896.	57 A.O. No. 15.	257939.	57 A.O. No. 65.
257897.	57 A.O. No. 16.	257940.	57 A.O. No. 66.
257898.	57 A.O. No. 17.	257941.	57 A.O. No. 67.
257899.	57 A.O. No. 18.	257942.	57 A.O. No. 68.
257900.	57 A.O. No. 19.	257943.	57 A.O. No. 69.
257901.	57 A.O. No. 20.	257944.	57 A.O. No. 70.
257902.	57 A.O. No. 21.	257945.	57 A.O. No. 71.
257903.	57 A.O. No. 22.	257946.	57 A.O. No. 72.
257904.	57 A.O. No. 23.	257947.	57 A.O. No. 73.
257905.	57 A.O. No. 24.	257948.	57 A.O. No. 74.
257906.	57 A.O. No. 26.	257949.	57 A.O. No. 75.
257907.	57 A.O. No. 30.	257950.	57 A.O. No. 76.
257908.	57 A.O. No. 31.	257951.	57 A.O. No. 77.
257909.	57 A.O. No. 32.	257952.	57 A.O. No. 78.
257910.	57 A.O. No. 33.	257953.	57 A.O. No. 79.
257911.	57 A.O. No. 34.	257954.	57 A.O. No. 80.
257912.	57 A.O. No. 35.	257955.	57 A.O. No. 81.
257913.	57 A.O. No. 36.	257956.	57 A.O. No. 82.
257914.	57 A.O. No. 37.	257957.	57 A.O. No. 83.
257915.	57 A.O. No. 39.	257958.	57 A.O. No. 84.
257916.	57 A.O. No. 41.	257959.	57 A.O. No. 85.
257917.	57 A.O. No. 42.	257960.	57 A.O. No. 86.
257918.	57 A.O. No. 43.	257961.	57 A.O. No. 87.
257919.	57 A.O. No. 44.	257962.	57 A.O. No. 88.
257920.	57 A.O. No. 45.	257963.	57 A.O. No. 89.
257921.	57 A.O. No. 46.	257964.	57 A.O. No. 90.
257922.	57 A.O. No. 47.	257965.	57 A.O. No. 91.
257923.	57 A.O. No. 48.	257966.	57 A.O. No. 92.
257924.	57 A.O. No. 49.	257967.	57 A.O. No. 93.
257925.	57 A.O. No. 50.	257968.	57 A.O. No. 95.
257926.	57 A.O. No. 51.	257969.	57 A.O. No. 96.
257927.	57 A.O. No. 52.	257970.	57 A.O. No. 97.
257928.	57 A.O. No. 53.	257971.	57 A.O. No. 99.
257929.	57 A.O. No. 54.	257972.	57 A.O. No. 100.
257930.	57 A.O. No. 55.	257973.	57 A.O. No. 101.
257931.	57 A.O. No. 56.	257974.	57 A.O. No. 102.
257932.	57 A.O. No. 58.	257975.	57 A.Y. No. 1.
257933.	57 A.O. No. 59.	257976.	57 A.Y. No. 2.
257934.	57 A.O. No. 60.	257977.	57 A.Y. No. 3.
257935.	57 A.O. No. 61.	257978.	57 A.N. No. 4.
257936.	57 A.O. No. 62.	257979.	57 A.Y. No. 5.

257830 to 258352—Continued

257980.	57 A.Y. No. 6.	258023.	57 B.G. No. 9.
257981.	57 A.Y. No. 7.	258024.	57 B.G. No. 11.
257982.	57 A.Y. No. 8.	258025.	57 B.G. No. 13.
257983.	57 A.Y. No. 9.	258026.	57 B.G. No. 14.
257984.	57 A.Y. No. 10.	258027.	57 B.G. No. 15.
257985.	57 A.Y. No. 16.	258028.	57 B.G. No. 16.
257986.	57 A.Y. No. 18.	258029.	57 B.G. No. 17.
257987.	57 A.Y. No. 20.	258030.	57 B.G. No. 19.
257988.	57 A.Z. No. 1.	258031.	57 B.H. No. 1.
257989.	57 A.Z. No. 2.	258032.	57 B.H. No. 4.
257990.	57 A.Z. No. 3.	258033.	57 B.H. No. 5.
257991.	57 A.Z. No. 4.	258034.	57 B.H. No. 6.
257992.	57 A.Z. No. 5.	258035.	57 B.H. No. 7.
257993.	57 A.Z. No. 6.	258036.	57 B.H. No. 8.
257994.	57 A.Z. No. 7.	258037.	57 B.H. No. 11.
257995.	57 A.Z. No. 8.	258038.	57 B.H. No. 12.
257996.	57 A.Z. No. 9.	258039.	57 B.H. No. 13.
257997.	57 A.Z. No. 12.	258040.	57 B.H. No. 14.
257998.	57 B.C. No. 2.	258041.	57 B.H. No. 15.
257999.	57 B.C. No. 4.	258042.	57 B.H. No. 17.
258000.	57 B.C. No. 6.	258043.	57 B.H. No. 18.
258001.	57 B.C. No. 7.	258044.	57 B.H. No. 19.
258002.	57 B.D. No. 4.	258045.	57 B.H. No. 20.
258003.	57 B.D. No. 5.	258046.	57 B.H. No. 22.
258004.	57 B.D. No. 12.	258047.	57 B.H. No. 25.
258005.	57 B.D. No. 13.	258048.	57 B.H. No. 27.
258006.	57 B.D. No. 14.	258049.	57 B.H. No. 29.
258007.	57 B.D. No. 15.	258050.	57 B.H. No. 33.
258008.	57 B.D. No. 16.	258051.	57 B.H. No. 35.
258009.	57 B.D. No. 17.	258052.	57 B.H. No. 36.
258010.	57 B.D. No. 18.	258053.	57 B.H. No. 38.
258011.	57 B.D. No. 21.	258054.	57 B.H. No. 39.
258012.	57 B.D. No. 23.	258055.	57 B.H. No. 40.
258013.	57 B.D. No. 24.	258056.	57 B.H. No. 43.
258014.	57 B.D. No. 27.	258057.	57 B.H. No. 44.
258015.	57 B.D. No. 28.	258058.	57 B.H. No. 46.
258016.	57 B.D. No. 30.	258059.	57 B.H. No. 47.
258017.	57 B.D. No. 31.	258060.	57 B.H. No. 48.
258018.	57 B.D. No. 33.	258061.	57 B.H. No. 49.
258019.	57 B.D. No. 36.	258062.	57 B.I. No. 1.
258020.	57 B.D. No. 41.	258063.	57 B.I. No. 4.
258021.	57 B.G. No. 3.	258064.	57 B.I. No. 5.
258022.	57 B.G. No. 6.	258065.	57 B.K. No. 2.

257830 to 258352—Continued

258066.	57 B.K. No. 3.	258109.	57 B.K. No. 60.
258067.	57 B.K. No. 6.	258110.	57 B.K. No. 61.
258068.	57 B.K. No. 7.	258111.	57 B.K. No. 62.
258069.	57 B.K. No. 10.	258112.	57 B.K. No. 64.
258070.	57 B.K. No. 11.	258113.	57 B.K. No. 66.
258071.	57 B.K. No. 12.	258114.	57 B.K. No. 67.
258072.	57 B.K. No. 13.	258115.	57 B.K. No. 69.
258073.	57 B.K. No. 14.	258116.	57 B.K. No. 71.
258074.	57 B.K. No. 15.	258117.	57 B.K. No. 72.
258075.	57 B.K. No. 16.	258118.	57 B.K. No. 73.
258076.	57 B.K. No. 17.	258119.	57 B.K. No. 74.
258077.	57 B.K. No. 18.	258120.	57 B.K. No. 75.
258078.	57 B.K. No. 19.	258121.	57 B.K. No. 76.
258079.	57 B.K. No. 20.	258122.	57 B.K. No. 77.
258080.	57 B.K. No. 22.	258123.	57 B.K. No. 79.
258081.	57 B.K. No. 23.	258124.	57 B.K. No. 80.
258082.	57 B.K. No. 24.	258125.	57 B.K. No. 81.
258083.	57 B.K. No. 25.	258126.	57 B.K. No. 82.
258084.	57 B.K. No. 27.	258127.	57 B.K. No. 83.
258085.	57 B.K. No. 29.	258128.	57 B.K. No. 84.
258086.	57 B.K. No. 30.	258129.	57 B.L. No. 3.
258087.	57 B.K. No. 33.	258130.	57 B.L. No. 4.
258088.	57 B.K. No. 35.	258131.	57 B.L. No. 6.
258089.	57 B.K. No. 36.	258132.	57 B.L. No. 7.
258090.	57 B.K. No. 37.	258133.	57 B.L. No. 9.
258091.	57 B.K. No. 39.	258134.	57 B.L. No. 10.
258092.	57 B.K. No. 40.	258135.	57 B.L. No. 11.
258093.	57 B.K. No. 41.	258136.	57 B.L. No. 13.
258094.	57 B.K. No. 42.	258137.	57 B.L. No. 14.
258095.	57 B.K. No. 43.	258138.	57 B.L. No. 15.
258096.	57 B.K. No. 45.	258139.	57 B.L. No. 17.
258097.	57 B.K. No. 47.	258140.	57 B.L. No. 18.
258098.	57 B.K. No. 48.	258141.	57 B.L. No. 19.
258099.	57 B.K. No. 49.	258142.	57 B.L. No. 20.
258100.	57 B.K. No. 50.	258143.	57 B.L. No. 22.
258101.	57 B.K. No. 51.	258144.	57 B.L. No. 23.
258102.	57 B.K. No. 52.	258145.	57 B.L. No. 24.
258103.	57 B.K. No. 53.	258146.	57 B.L. No. 28.
258104.	57 B.K. No. 54.	258147.	57 B.L. No. 31.
258105.	57 B.K. No. 56.	258148.	57 B.L. No. 32.
258106.	57 B.K. No. 57.	258149.	57 B.L. No. 35.
258107.	57 B.K. No. 58.	258150.	57 B.L. No. 36.
258108.	57 B.K. No. 59.	258151.	57 B.L. No. 37.

257830 to 258352—Continued

258152.	57 B.L. No. 39.	258195.	57 C.K. No. 10.
258153.	57 B.L. No. 40.	258196.	57 C.K. No. 11.
258154.	57 B.L. No. 41.	258197.	57 C.K. No. 12.
258155.	57 B.P. No. 1.	258198.	57 C.K. No. 13.
258156.	57 B.P. No. 2.	258199.	57 C.K. No. 16.
258157.	57 B.P. No. 4.	258200.	57 C.K. No. 17.
258158.	57 B.P. No. 8.	258201.	57 C.K. No. 18.
258159.	57 B.P. No. 11.	258202.	57 C.K. No. 19.
258160.	57 C.A. No. 1.	258203.	57 C.K. No. 20.
258161.	57 C.A. No. 2.	258204.	57 C.K. No. 22.
258162.	57 C.A. No. 3.	258205.	57 C.K. No. 23.
258163.	57 C.A. No. 4.	258206.	57 C.K. No. 25.
258164.	57 C.A. No. 5.	258207.	57 C.K. No. 26.
258165.	57 C.A. No. 6.	258208.	57 C.K. No. 27.
258166.	57 C.A. No. 9.	258209.	57 C.K. No. 28.
258167.	57 C.A. No. 11.	258210.	57 C.K. No. 31.
258168.	57 C.A. No. 13.	258211.	57 C.K. No. 32.
258169.	57 C.A. No. 14.	258212.	57 C.K. No. 33.
258170.	57 C.A. No. 15.	258213.	57 C.K. No. 34.
258171.	57 C.A. No. 16.	258214.	57 C.K. No. 35.
258172.	57 C.A. No. 17.	258215.	57 C.K. No. 36.
258173.	57 C.A. No. 18.	258216.	57 C.K. No. 37.
258174.	57 C.A. No. 19.	258217.	57 C.K. No. 38.
258175.	57 C.A. No. 20.	258218.	57 C.K. No. 39.
258176.	57 C.A. No. 21.	258219.	57 C.Q. No. 1.
258177.	57 C.A. No. 22.	258220.	57 C.Q. No. 2.
258178.	57 C.A. No. 23.	258221.	57 C.Q. No. 3.
258179.	57 C.A. No. 24.	258222.	57 C.Q. No. 4.
258180.	57 C.A. No. 25.	258223.	57 C.Q. No. 6.
258181.	57 C.A. No. 26.	258224.	57 C.Q. No. 8.
258182.	57 C.A. No. 27.	258225.	57 C.Q. No. 10.
258183.	57 C.A. No. 28.	258226.	57 C.Q. No. 12.
258184.	57 C.A. No. 29.	258227.	57 C.Q. No. 16.
258185.	57 C.A. No. 31.	258228.	57 C.R. No. 4.
258186.	57 C.A. No. 32.	258229.	57 C.R. No. 7.
258187.	57 C.A. No. 33.	258230.	57 C.R. No. 8.
258188.	57 C.A. No. 35.	258231.	57 C.R. No. 10.
258189.	57 C.A. No. 36.	258232.	57 C.R. No. 11.
258190.	57 C.K. No. 1.	258233.	57 C.R. No. 13.
258191.	57 C.K. No. 3.	258234.	57 C.R. No. 14.
258192.	57 C.K. No. 4.	258235.	57 C.R. No. 15.
258193.	57 C.K. No. 5.	258236.	57 C.R. No. 16.
258194.	57 C.K. No. 6.	258237.	57 C.R. No. 17.

257830 to 258352—Continued

258238.	57 C.R. No. 18.	258281.	57 C.T. No. 29.
258239.	57 C.R. No. 19.	258282.	57 C.T. No. 30.
258240.	57 C.R. No. 21.	258283.	57 C.T. No. 32.
258241.	57 C.R. No. 22.	258284.	57 C.T. No. 33.
258242.	57 C.R. No. 23.	258285.	57 C.T. No. 35.
258243.	57 C.R. No. 25.	258286.	57 C.T. No. 36.
258244.	57 C.R. No. 26.	258287.	57 C.T. No. 38.
258245.	57 C.R. No. 29.	258288.	57 C.T. No. 39.
258246.	57 C.R. No. 30.	258289.	57 C.T. No. 41.
258247.	57 C.R. No. 31.	258290.	57 C.T. No. 42.
258248.	57 C.R. No. 32.	258291.	57 C.T. No. 43.
258249.	57 C.R. No. 33.	258292.	57 C.T. No. 44.
258250.	57 C.R. No. 34.	258293.	57 C.T. No. 45.
258251.	57 C.R. No. 35.	258294.	57 C.X. No. 3.
258252.	57 C.R. No. 38.	258295.	57 C.X. No. 5.
258253.	57 C.R. No. 39.	258296.	57 D.E. No. 1.
258254.	57 C.R. No. 41.	258297.	57 D.O. No. 5.
258255.	57 C.T. No. 2.	258298.	57 D.Z. No. 1.
258256.	57 C.T. No. 3.	258299.	57 D.Z. No. 2.
258257.	57 C.T. No. 4.	258300.	57 D.Z. No. 3.
258258.	57 C.T. No. 5.	258301.	57 D.Z. No. 4.
258259.	57 C.T. No. 6.	258302.	57 D.Z. No. 5.
258260.	57 C.T. No. 7.	258303.	57 D.Z. No. 8.
258261.	57 C.T. No. 8.	258304.	57 D.Z. No. 12.
258262.	57 C.T. No. 9.	258305.	57 D.Z. No. 13.
258263.	57 C.T. No. 10.	258306.	57 D.Z. No. 14.
258264.	57 C.T. No. 11.	258307.	57 D.Z. No. 15.
258265.	57 C.T. No. 12.	258308.	57 D.Z. No. 17.
258266.	57 C.T. No. 13.	258309.	57 D.Z. No. 18.
258267.	57 C.T. No. 14.	258310.	57 D.Z. No. 19.
258268.	57 C.T. No. 15.	258311.	57 D.Z. No. 20.
258269.	57 C.T. No. 16.	258312.	57 D.Z. No. 21.
258270.	57 C.T. No. 17.	258313.	57 D.Z. No. 22.
258271.	57 C.T. No. 18.	258314.	57 D.Z. No. 23.
258272.	57 C.T. No. 19.	258315.	57 D.Z. No. 24.
258273.	57 C.T. No. 20.	258316.	57 D.Z. No. 25.
258274.	57 C.T. No. 21.	258317.	57 D.Z. No. 26.
258275.	57 C.T. No. 22.	258318.	57 D.Z. No. 27.
258276.	57 C.T. No. 23.	258319.	57 D.Z. No. 28.
258277.	57 C.T. No. 24.	258320.	57 D.Z. No. 29.
258278.	57 C.T. No. 25.	258321.	57 D.Z. No. 30.
258279.	57 C.T. No. 26.	258322.	57 D.Z. No. 31.
258280.	57 C.T. No. 27.	258323.	57 D.Z. No. 32.

257830 to 258352—Continued

258324.	57 D.Z. No. 34.	258339.	57 E.D. No. 20.
258325.	57 D.Z. No. 35.	258340.	57 E.D. No. 24.
258326.	57 D.Z. No. 36.	258341.	57 E.D. No. 25.
258327.	57 D.Z. No. 37.	258342.	57 E.D. No. 27.
258328.	57 D.Z. No. 38.	258343.	57 E.D. No. 32.
258329.	57 D.Z. No. 40.	258344.	57 E.D. No. 35.
258330.	57 D.Z. No. 44.	258345.	57 E.D. No. 36.
258331.	57 D.Z. No. 45.	258346.	57 E.D. No. 37.
258332.	57 D.Z. No. 48.	258347.	57 E.D. No. 38.
258333.	57 E.D. No. 8.	258348.	57 E.D. No. 40.
258334.	57 E.D. No. 10.	258349.	57 E.D. No. 41.
258335.	57 E.D. No. 11.	258350.	57 E.D. No. 42.
258336.	57 E.D. No. 13.	258351.	57 E.D. No. 46.
258337.	57 E.D. No. 15.	258352.	57 E.D. No. 47.
258338.	57 E.D. No. 19.		

258353. CUCUMIS MELO L. Cucurbitaceae.**Muskmelon.**

From Turkey. Seeds presented by Major A. Ertem, Smyrna Province. Received June 3, 1959.

'Acur'.

258354. BERBERIS TRIFOLIOLATA Moric. Berberidaceae.

From the United States. Seeds collected by Lynn Lowrey, Houston, Texas. Received June 23, 1958. Numbered June 5, 1959.

Erect, rigid shrub to eight feet high; leaves trifoliate, glaucous-white; flowers yellow, borne in short corymbs; fruit oval or roundish, black with a blue bloom.

258355. FRAXINUS (hybrid). Oleaceae.

From Germany. Cuttings presented by the German Academy of Landscaping, Berlin. Received Mar. 12, 1958. Numbered June 5, 1959.

258356. MYRCIARIA GLOMERATA Berg. Myrtaceae.

From Brazil. Plants presented by the Instituto Agronomico, Campinas, Sao Paulo. Received June 8, 1959.

'Cabeludinha'.

258357 to 258365.

From China. Plant material collected by Robert E. Perdue, New Crops Research Branch, Crops Research Division, Beltsville, Md., on Taiwan. Received June 8, 1959.

258357. DENDROCALAMUS LATIFLORUS Munro Poaceae. Hemp bamboo.**258358 to 258361. CAMELLIA SASANQUA Thunb. Theaceae. Sasanqua camellia.**

Botanical Garden on Yang Ming Shan, near Taipei.

258358. Col. No. 9592. Shrub six feet high. (Cuttings).

258359. Col. No. 9592. Shrub six feet high. (Seeds).

258360. Col. No. 9593. Shrub six feet high. (Cuttings).

258361. Col. No. 9593. Shrub six feet high. (Seeds).

258357 to 258365—Continued**258362 and 258363.** *CAMELLIA TENUIFOLIA* (Hayata) Cohen-Stuart

Botanic Garden, National Taiwan University, Taipei.

258362. Col. No. 9591. Shrub to seven feet high. (Cuttings).**258363.** Col. No. 9591. Shrub to seven feet high. (Seeds).**258364.** *PHYLLOSTACHYS PUBESCENS* Mazel ex H. de Lehaie Poaceae.

Rhizomes from Chitou, University Experimental Forest.

258365. *PHYLLOSTACHYS MAKINOI* Hayata.

Rhizomes from Chitou, University Experimental Forest.

258366 to 258373.

From the Union of Soviet Socialist Republics. Seeds presented by the Institute of Plant Industry, Leningrad. Received June 10, 1959.

258366 and 358367. *CAMELINA SATIVA* (L.) Crantz Brassicaceae.**258366.** 'Vniimk 17'. Krasnodar area. Midseason variety to 80 cm. high; growing period 73–93 days, oil content 38–42 percent.**258367.** 'Voronezh 349'. Voronezh Province. Early variety to 75 cm high; growing period 65–85 days, oil content 36–44 percent.**258368.** *RICINUS COMMUNIS* L. Euphorbiaceae.**Castorbean.**

'Early hybrid'. Krasnodar area. Plants partly deciduous at maturity; stalks short; capsules indehiscent.

258369 to 258373. *SESAMUM INDICUM* L. Pedaliaceae.**Sesame.****258369.** 'Three Korobochnky 122; Tashkentsky 122 selfed; capsules indehiscent; seeds contain 59.05 percent oil.**258370.** 'Hybrid 30'; 'Three Korobochnky' × 'K561'. Plant early, well branched; three-capsuled; seeds contain 61 percent oil.**258371.** 'Hybrid 27'; 'Three Korobochnky' × 'K561'. Plant productive; seeds contain 60 percent oil.**258372.** 'Hybrid 198'; 'Konditersky 2058' ('Confectionary') × unknown. Plants tall, branched, productive; capsules large, nearly dehiscent; seeds contain 59.8 percent oil.**258373.** 'Hybrid 228'; 'Konditersky 2058' ('Confectionary') × unknown. Plant tall, branched; capsules nearly dehiscent; seeds contain 56.5 percent oil.**258374.** *SACCHARUM* (hybrid). Poaceae.**Sugarcane.**

From Brazil. Cuttings presented by the Instituto Agronomico, Campinas, Sao Paulo. Received June 11, 1959.

I.A.C. 55/29 (Co 290×POJ 2878).

258375 to 258382.

From China. Seeds presented by the Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received June 11, 1959.

258375. *ANDROPOGON NODOSUS* (Willem.) Nash Poaceae.

A 29; 'Alabang X'. From the Philippine Islands. The most productive and nutritious grass in the Philippines. Compares favorably with pangolagrass under low elevations and hot climates.

258376. *ANDROPOGON* sp.A 51. Habit similar to *A. nodosus* but is coarser and less desirable as a forage plant.**258377.** *ASTRAGALUS SINICUS* L. Fabaceae.

F 11. Green manure winter annual in China and Japan. Palatable vegetable used for human food in Taiwan. Planted November, harvested February.

258375 to 258382—Continued

258378. *CENTROSEMA PUBESCENS* Benth. Fabaceae.

C 25. Introduced from the Philippine Islands. Comparable to *Desmodium intortum* in productivity in Taiwan

258379. *CLITORIA TERNATEA* L. Fabaceae.

Asian pigeonwings.

C 33. 'Kordofan pea'. Origin unknown.

258380. *DESMODIUM INTORTUM* (Mill.) Urb. Fabaceae.

C 50. Introduced from the Philippine Islands. Plant upright, dense, vigorous and productive; leaves fine; flowers pinkish-purple.

258381. *GLYCINE JAVANICA* L. Fabaceae.

C 47. Introduced from Australia. Plant vigorous, palatable; seed production good.

258382. *STYLOSANTHES GRACILIS* H.B.K. Fabaceae.

C 45. Introduced from Australia. Relished by cattle; becoming woody after the wet season.

258383 to 258387. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Poland. Seeds presented by the Dankowska Hodowla Roslin Breeding Institution, Warsaw. Received June 10, 1959.

Produced at the Breeding Station, Choryn, Poznan.

258383. Zlotka.

258386. N. 1954.

258384. A.

258387. N. 2054.

258385. N. 754.

258388 to 258391. RICINUS COMMUNIS L. Euphorbiaceae.

Castorbean.

From Algeria. Seeds presented by the Central Station of Experimental Agriculture, Maison-Carree, Alger Department. Received June 10, 1959.

258388. Anjor A 7-2. Open capsule.

258389. Anjor Tardif. Nonshattering capsule.

258390. MG.

258391. Rosso Veronese.

258392 to 258408.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 11, 1959.

258392. *BRACHYPODIUM DISTACHYON* (L.) Beauv. Poaceae.

CPI 16248. South Africa.

258393. *BRACHYPODIUM RAMOSUM* (L.) Roem. & Schult.

CPI 18119. Tenerife, Canary Islands.

258394. *BROMUS ARDUENNENSIS* Dum. Poaceae.

CPI 15296. Israel.

258395. *DORYCNium RECTUM* (L.) Ser. Fabaceae.

CPI 12433. Portugal.

258396. *LOTUS CARMELI* Boiss. Fabaceae.

CPI 15317. Palestine.

258397. *LOTUS HISPIDUS* Desf.

CPI 19656. Portugal.

258392 to 258408—Continued**258398.** *LOTUS ORNITHOPODIOIDES* L.

CPI 13148. Tunisia.

258399. *MEDICAGO SOLEIROLII* Duby Fabaceae.

No. S3. South Australia.

258400. *TRIFOLIUM MICHELIANUM* Savi Fabaceae.

No. S15.

258401. *TRIFOLIUM CERNUUM* Brot.

CPI 13103. Portugal.

258402. *TRIFOLIUM ECHINATUM* Bieb.

CPI 15637. Israel.

258403. *TRIFOLIUM ISTHOCARPUM* Brot.

CPI 14737. Morocco.

258404. *TRIFOLIUM OBSCURUM* Savi

CPI 19829. Czechoslovakia.

258405. *TRIFOLIUM MICHELIANUM* Savi

CPI 13107. Portugal.

258406. *TRIFOLIUM MIEGEANUM* Maire

CPI 13108. Portugal.

258407. *TRIFOLIUM PARVIFLORUM* Ehrh.

CPI 13109. Portugal.

258408. *TRIFOLIUM STELLATUM* L.

CPI 13935. Cyprus.

258409 to 258422. *CARTHAMUS TINCTORIUS* L. Asteraceae.**Safflower.**From Portugal. Seeds presented by the Estacao Agronomica Nacional, Sacavem.
Received June 11, 1959.**258409 to 258413.** From Castro Marim, Faro District.**258409.** 'Rio Seco'.**258410.** 'Rio Seco'.**258411.** 'Rio Seco'. Vale de Mestre.**258412.** Sapal Chao.**258413.** Sobral.**258414.** 'Rio Seco'. Pedra Empinada.**258415 to 258419.** Loule, Faro District.**258415.** Espargal, Alte.**258416.** Santa Margarida, Alte. Cultivated.**258417.** Penina, Alte.**258418.** Nave do Barao, Salir.**258419.** Malhao, Salir.**258420.** Paderne, Albufeira.**258421.** Amendoeira, S. Bartolomeu de Messianes, Silves.**258422.** Taviera, Valonga.

258423 and 258424.

From Vietnam. Seeds presented by the United States Operations Mission, Saigon. Received June 11, 1959.

258423. *HIBISCUS PUNGENS* Roxb. Malvaceae.

'Keo Yai Naipa'. Thailand.

258424. *TRIUMFETTA SEMITRILOBA* Jacq. Tiliaceae.

Liberia. Plants growing on dry soils.

258425 to 258427. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

From the Federation of Rhodesia and Nyasaland. Seeds presented by the United States Consulate General, Salisbury. Received June 12, 1959.

258425. 'Arawa'. New Zealand.

258426. 'Gabo'. Australia.

258427. 'Yaktana'. Mexico.

258428 and 258429.

From Uganda. Seeds presented by Kawanda Research Station, Kampala. Received June 12, 1959.

258428. *HIBISCUS SABDARIFFA* L. Malvaceae.

Roselle.

258429. *HIBISCUS SURATTENSIS* L.

258430 to 258443.

From the Union of South Africa. Seeds presented by the Division of Crops and Pastures, Pretoria. Received June 12, 1959.

258430. *DIGITARIA ERIANTHA* Steud. Poaceae.

DL/59/505. Prieska, Cape Province.

258431. *DIGITARIA GAZENSIS* Rendle

DL/59/503. Zululand, Natal.

258432 and 258433. *DIGITARIA MILANJIANA* (Rendle) Stapf

258432. DL/59/506. Kuruman, Cape Province.

258433. 'Eleusine'. DL/59/493. Kalahari, Cape Province.

258434. *DIGITARIA POLEVANSII* Stent

DL/59/504. West Transvaal.

258435 to 258441. *DIGITARIA SMUTSII* Stent

258435. DL/59/494. Magaliesberg, Transvaal.

258436. DL/59/495. Military Camp, Pretoria.

258437. DL/59/496. Irene, Transvaal.

258438. DL/59/497. A583. Rietondale, Transvaal.

258439. DL/59/498. Bethlehem, Orange Free State.

258440. DL/59/499. Northam.

258441. DL/59/500. Bethlehem, Orange Free State.

258442 and 258443. *DIGITARIA VALIDA* Stent

258442. DL/59/501. Middelburg.

258443. DL/59/502. Witbank.

258444. ATALANTIA MONOPHYLLA (Roxb.) DC. Rutaceae.

From India. Seeds presented by R. A. Hamilton, Oceanic Hotel, Madras. Received June 22, 1959.

258445 to 258454.

From Italy. Seeds presented by the Central Institution of Genetics, Monte Terminillo. Received June 12, 1959.

258445. *ANTHYLLIS VULNERARIA* L. Fabaceae. **Kidneyvetch.**
'Stirpe 14'.

258446. *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**
'Stirpe 13'.

258447. *MEDICAGO LUPULINA* L. Fabaceae. **Black medic.**
'Stirpe 15'.

258448. *TRIFOLIUM HYBRIDUM* L. Fabaceae. **Alsike clover.**
'Stirpe 7'.

258449. *TRIFOLIUM OCHROLEUCUM* Huds.
PS.

258450 to 258452. *TRIFOLIUM PRATENSE* L. **Red clover.**

258450. PS.

258451. 'Stirpe 8'.

258452. 'Stirpe Comunale 1'.

258453. *TRIFOLIUM REPENS* L. **Whiteclover.**
PS.

258454. *TRIFOLIUM RUBRUM* Larranga
PS.

258455 to 258462.

From St. Helena Island. Seeds presented by C. V. Porter. Received June 15, 1959.

258455. *SPOROBOLUS CAPENSIS* (Willd.) Kunth. Poaceae.

258456. *AGROSTIS* sp. Poaceae.

258457. *SPOROBOLUS PYRAMIDILIS* Beauv. Poaceae. **Whorled dropseed.**

258458. *ANTHOXANTHUM ODORATUM* L. Poaceae. **Sweet vernalgrass.**

258459. *BROMUS WILLDENOWII* Kunth Poaceae. **Rescuegrass.**

258460. *CYNODON DACTYLON* (L.) Pers. Poaceae. **Bermudagrass.**

258461. *PASPALUM* sp. Poaceae.

258462. *LANTANA CAMARA* L. Verbenaceae. **Common lantana.**

258463 and 258464.

From Ecuador. Seeds presented by the United States Operations Mission. Quito. Received June 15, 1959.

258463. *CYPHOMANDRA BETACEA* (Cav.) Sendt. Solanaceae. **Tree-tomato.**

258464. *RUBUS* sp.

'Spanish blackberry'. Elevation 8,000 feet. Canes powder-blue bloom; fruit clustered, 15 to 70, large, dark red, of good flavor. Reportedly come true from seed.

258465. *SACCHARUM* (hybrid). Poaceae. **Sugarcane.**

From Hawaii. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu. Received June 15, 1959.

'D 177'.

258466. BROMUS SECALINUS L. Poaceae.**Chess.**

From the United States. Seeds presented by H.A. Schoth, Corvallis, Oregon. Received June 15, 1959.

No. 91159R. Formerly an important horse feed.

258467. LOTUS CORNICULATUS L. Fabaceae.**Birdsfoot trefoil.**

From the United States. Seeds growing at the United States Regional Plant Introduction Station, Ames, Iowa. Formerly from the All-Union Institute of Plant Industry, Leningrad. Received June 15, 1959.

'Morshansk 528'. Plant winter hardy.

258468. CITRUS HYSTRIX DC. Rutaceae.

From Morocco. Seeds presented by the Institut des Fruits et Agrumes Coloniaux, Rabat. Received June 16, 1959.

From the Agricultural Service, Papeete (Tahiti), French Polynesia. Harvested June 2, 1959.

258469 to 258488. LYCOPERSICON ESCULENTUM Mill. Solanaceae.**Tomato.**

From Chile, Colombia, Ecuador, and Peru. Seeds collected by C. M. Rick, University of California, Davis, California. Received June 15, 1959.

258469 to 258471. Chile.

258469 and 258470. Lluta Valley.

248469. LA 466. Segregates for H; typical erect type of region; fruits large, rough, 5 to 7 cm. diameter.

258470. LA 467. Segregates for H; typical erect type of region; fruits large, rough, 5 to 7 cm. diameter.

258471. LA 468. Iquique market. Fruits small, oblate, 3 to 6 cm. diameter, prolific.

258472. LA 356. Buenaventura market, Colombia. Fruit flat, lobed, 2 cm diameter; locules 2 to 3.

258473 to 258476. Ecuador.

258473 and 258474. Guayaquil market.

258473. LA 408. Typical Guayas type; fruits moderately fasciated, medium size; poor set.

258474. LA 410. Typical Guayas type; fruits very large and severely fasciated-distorted; skin yellow.

258475. LA 415. Daylar garden. Typical Guayas type; fruits very large, severely fasciated-distorted; poor set.

258476. LA 417. Puna Island garden. Variable line; fruits 2 to 5 cm. diameter; segregate for fasciation.

258477 to 258488. Peru.

258477 and 258478. Chiclayo market.

258477. LA 393. Highly variable line. Fruits 3 cm. diameter, fasciated, deformed.

258478. LA 394. Highly variable line. Fruits 3 cm. diameter, fasciated, deformed.

258479 to 258481. Piura market.

258479. LA 402B. Highly variable line. Fruits oblate, 3 to 4 cm. diameter, susceptible to cracking.

258480. LA 403. Fruits fasciated, 4 to 5 cm. diameter.

258481. LA 405. Generally good horticultural characters. Fruits medium, oblate, smooth, possibly a U.S. variety.

258469 to 258488—Continued**258477 to 258488—Continued**

258482 to 258484. Tacna market.

258482. LA 457-1. Potato leaf type; fruits 3 to 4 loculed, nearly spherical, often puffy, 3 cm. diameter; prolific.

258483. LA 457-2. Tetraploid; fruits 4 to 5 cm. diameter. Good seed and fruit producer.

258484. LA 457-6. Typical Tacna type. Plant erect; fruits smooth, 4 to 6 cm. diameter, deep oblate.

258485 and 258486. Tacna garden.

258485. LA 472. Fruits very large, fasciated; poor fruit setting ability.

258486. LA 473. Segregates for potato leaf type; fruits small, spherical.

258487 and 258488. Chinchá market.

258487. LA 477. Plants uniform; fruits large, oblate; possible U.S. variety.

258488. LA 478. Resemble Piura type. Segregates for H; fruits flat, fasciated, 3 to 4 cm. diameter.

258489 to 258491. ARACHIS HYPOGAEA L. Fabaceae. Peanut.

From Israel. Seeds presented by the Institute of Agronomy, Agricultural Research Station, Rehovot. Received June 16, 1959.

258489. 'Dixie'.

258490. 'Virginia Improved 4'.

258491. 'Virginia Red'.

258492. CITRUS CRENATIFOLIA Lushington Rutaceae.

From Ceylon. Seeds presented by H. Kamemoto, Kandy. Received June 18, 1959.

'Lycopersiciformis'. The 'Heen Noran' rootstock used for sweet orange in Ceylon.

258493 to 258495. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From the British West Indies. Seeds presented by the Cocoa Board, Department of Agriculture, St. Clair, Port of Spain, Trinidad. Received June 17, 1959.

Grown at Marper Farm, Manzanilla.

258493. IMC 67 $\times$ SCA 6.

258494. ICS 1 $\times$ SCA 6.

258495. SCA 6 $\times$ ICS 1.

258496 to 258528.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 18, 1959.

258496. ACACIA ALPINA F. Muell. Mimosaceae.

No. 6329. Perisher's Creek between Munyang and Guthega, New South Wales. Spreading, semiprostrate undershrub.

258497. BOSSIAEA FOLIOSA A. Cunn. Fabaceae.

No. 6332. Happy Jack's Ecological Station. Shrub to two feet high.

258498. BRACHYCOME NIVALIS F. Muell. Asteraceae.

No. 6315. Carruthers Track, Mount Kosciuszko, N.S.W.

258496 to 258528—Continued

258499. *BULBINE BULBOSA* (R. Br.) Haw. Liliaceae.
No. 6345. Blackfellow's Gap, N.S.W.
258500. *CELMISIA LONGIFOLIA* Cass. Asteraceae.
No. 6309. Mount Kosciusko, N.S.W. Herb; leaves radial.
258501. *CRASPEDIA UNIFLORA* Forst. f. Asteraceae.
No. 6306. Spencers Creek, Sugar Loaf, A.C.T.
258502. *DIANELLA TASMANICA* Hook f. Liliaceae.
Junction of Wark's Road, A.C.T.
258503. *EPACRIS PALUDOSA* R. Br. Epacridaceae.
No. 6300. Dainer's Gap, N.S.W. Elevation 5,454 feet.
258504. *EUPHRASIA GLACIALIS* Wettst. Scrophulariaceae.
No. 6310. Carruther's Track, Mount Kosciusko, N.S.W.
258505. *EUPHRASIA SPECIOSA* R. Br.
No. 6302. Piper's Gap, N.S.W. Elevation 5,716 feet.
258506. *HELICHRYSUM ADENOPHORUM* var. *WADDALLAE* J. H. Willis Asteraceae.
No. 6339. Cabramurra, N.S.W. Common along roadside in forest areas.
258507. *HELICHRYSUM SECUNDIFLORUM* N. A. Wakefield
No. 6293. Roadside *Eucalyptus pauciflora* forest, Wilson's Valley.
258508. *HELICHRYSUM SEMIPAPPUSUM* DC.
No. 6284. Cooma, N.S.W. Dry outcrop in sclerophyll forest.
258509. *HELICHRYSUM THYRSOIDEUM* (DC.) P. F. Morris & J. H. Willis
No. 6288. Mount Kosciusko, road between Creel and Wilson's Valley.
258510. *HELIPTERUM INCANUM* var. *ALPINUM* F. Muell. Asteraceae.
No. 6319. Mount Kosciusko, N.S.W. Flowers white.
258511. *HOVEA* sp. Fabaceae.
No. 6301. 'Alpina'. Dainer's Gap, N.S.W. Undershrub.
258512. *HOVEA* sp.
No. 6305. 'Montana'. Piper's Gap, N.S.W.
258513. *KUNZEA MUELLERI* Benth. Myrtaceae.
No. 6299. Dainer's Gap, N.S.W. Elevation 5,454 feet.
258514. *LEPTOSPERMUM MYRTIFOLIUM* Sieb. Myrtaceae.
No. 6287. Mount Kosciusko, road between Creel and Wilson's Valley, N.S.W. Shrub to six feet high; flowers white.
258515. *LINUM MARGINALE* A. Cunn. Linaceae.
No. 6326. Munyang, Snowy River, N.S.W.
258516. *MICROSERIS FORSTERI* Hook f. Asteraceae.
No. 6304. Dainer's Gap, N.S.W.
258517. *MIRBELIA OXYLOBOIDES* F. Muell. Fabaceae.
No. 6285. Snowy Valley lookout between Creel and Wilson's Valley. Shrub to three feet high.
258518. *MONTIA FONTANA* L. Portulacaceae.
No. 6313. Carruthers Track, Mount Kosciusko, N.S.W.

258496 to 258528—Continued

258519. *OLEARIA ERUBESCENS* (DC.) Dippel Asteraceae.

No. 6290. Wilson's Valley, N.S.W. Shrub to 2.5 feet high.

258520. *OLEARIA MEGALOPHYLLA* F. Muell.

No. 6294.

258521. *OXYLOBIMUM ELLIPTICUM* (Labill.) R. Br. Fabaceae.

No. 6298. Dainer's Gap, N.S.W. Elevation 5,454 feet.

258522. *PROSTANTHERA CUNEATA* Benth. Menthaceae.

No. 6323. Perisher's Gap, N.S.W.

258523. *RANUNCULUS ANEMONEUS* F. Muell. Ranunculaceae.

No. 6311. Carruther's Track, Mount Kosciusko, N.S.W.

258524. *RANUNCULUS MULLERI* Benth.

No. 6314. Carruthers Track, Mount Kosciusko, N.S.W.

258525 and 258526. *STYLIDIUM SERRULATUM* (Labill.) Rich. Candellegaceae.

258525. No. 6356. Lee's Creek road, slopes of Bullshead Mountain, A.C.T.

258526. No. 6286. Mount Kosciusko, road between Creel and Wilson's Valley.

258527. *VERONICA DERWENTIA* Andr. Scrophulariaceae.

Blundell's Creek Road, A.C.T.

258528. *VERONICA NIVEA* Lindl.

No. 6324. Perisher's Gap, N.S.W.

258529 to 258538. ZEA MAYS L. Poaceae.**Corn.**

From Israel. Seeds presented by the Agricultural Experiment Station, Neveh-Yaar. Received June 19, 1959.

258529. No. 1.

258534. U11. 11F5.

258530. No. 2a.

258535. U11. 11F9.

258531. No. 11a.

258536. U11. 1103.

258532. U11. HF6.

258537. U11. 1220.

258533. U11. 11F2.

258538. U11. 1220 eII S5.

258539 to 258738.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 19, 1959.

258539 to 258541. *AVENA ABYSSINICA* Hochst. Poaceae.

Ethiopia.

258539. No. 5970.

258540. No. 5106.

258541. No. 5114.

258542 to 258545. *AVENA BREVIS* Roth.

258542. No. 5226/5. Portugal.

258543. No. 2167. Western Europe.

258544. No. 5229. Portugal.

258545. No. 5231. Portugal.

258539 to 258738—Continued**258546 to 258585. AVENA BYZANTINA Koch****Red oats.****258546.** No. 5422. Adventive in cultivated fields. Marash Ushak, Turkey.**258547.** No. 2166. Palestine.**258548.** No. 2860. Italy.**258549.** No. 3667. Palestine.**258550 to 258556.** Vilayet Adana, Turkey.**258550.** No. 4633.**258554.** No. 4639.**258551.** No. 4635.**258555.** No. 4640.**258552.** No. 4636.**258556.** No. 4641.**258553.** No. 4638.**258557 to 258559.** Orleanville, Algeria.**258557.** No. 4740.**258558.** No. 4741.**258559.** No. 4748.**258560.** No. 4765. Tunis.**258561.** No. 4767. Tlemcen, Tunis.**258562.** No. 4769. Oudj region, Morocco.**258563.** No. 4774. Kef, Tunis.**258564.** No. 4783. Western Syria.**258565.** No. 4784. Western Syria.**258566.** No. 4795. Rhodes (island), Greece.**258567.** No. 4864. Cyprus.**258568.** No. 4875. Southwestern Cyprus.**258569.** No. 5130. Sardinia, Italy.**258570.** No. 5140. Sardinia.**258571.** No. 5170. North of Almeria, Spain.**258572.** No. 5206. Spain.**258573.** No. 5292. Portugal.**258574.** No. 5300. Portugal.**258575.** No. 5398. Vilayet Mersina, Turkey.**258576.** No. 5417. Bersa, Turkey.**258577.** No. 9953. 'Bizantina 602'. Azerbaidzhan Soviet Socialist Republic.**258578.** No. 9992. 'Bizantina 11'. Uzbek Soviet Socialist Republic.**258579.** No. 10202. Near Ambeluzos, Crete.**258580.** No. 10204. Near Ambeluzos, Crete.**258581.** No. 4083. Cyprus.**258582.** No. 4764. Algeria.**258583.** No. 4770. Algeria.**258584.** No. 4860. Crete.**258585.** No. 4793. Rhodes (island), Greece.

258539 to 258738—Continued**258586 to 258589.** *AVENA BYZANTINA* var. *ANOPLA* Mordv. **Oats.**

258586. No. 9954. 'Bizantina 956'. Azerbaidzhan Soviet Socialist Republic.

258587. No. 7741. Adventive in cultivated fields. Turkey.

258588. No. 7742. Adventive in cultivated fields. Turkey.

258589. No. 7745. Adventive in cultivated fields. Turkey.

258590 to 258598. *AVENA NUDA* L. **Naked oats.**

258590. No. 2351. Moscow Oblast.

258591. No. 4075/14. Mongolia.

258592. No. 4075/42. Mongolia.

258593. No. 8478. 'Golozernyi VIP 8478'. Leningrad Oblast.

258594. No. 8739. 'Golozernyi Osipova'. Kuibushevsk Oblast.

258595. No. 9139. 'Pioner'. Kirovsk Oblast.

258596. No. 10410. 'Achinskii'. Krasnoarsk Krai.

258597. No. 10511. 'Liubimets'. Kirovsk Oblast.

258598. No. 10765. 'Tulunskii Golozernyi'. Irkutsk Oblast.

258599 to 258638. *AVENA SATIVA* L. **Common oats.**

258599. No. 10962. 'Istinskii'. Moscow Oblast.

258600. No. 8621. 'Rykhlik Oberek'. Poland.

258601. No. 4073. (Mixture). Uliasytai, Mongolia.

258602. No. 4074/5. (Mixture). Uliasytai, Mongolia.

258603. No. 4718. 'Nemerehanskii samyi rannii'. Ukraine, S.S.R.

258604. No. 6526. 'Stepniak 648'. Tambovsk Oblast.

258605. No. 7237. 'Verkhishchsk 53'. Kiev Oblast, Ukraine.

258606. No. 7911. 'Tulunskii 86/5'. Irkutsk Oblast.

258607. No. 8237. 'Minskii 92'. Minsk Oblast, Belorussia.

258608. No. 8240. 'Minskii 25'. Minsk Oblast, Belorussia.

258609. No. 8347. 'Krasnoarskii F-272'. Krasnoarsk Krai.

258610. No. 8256. 'Udarnik' (1-883). Krasnoarsk Krai.

258611. No. 8359. 'Verkhniachskii 41'. Kiev Oblast, Ukraine.

258612. No. 8260. 'Khasan'. Kiev Oblast, Ukraine.

258613. No. 8261. 218. Kiev Oblast, Ukraine.

258614. No. 8459. 'Maganskii'. Yakutsk, A.S.S.R.

258615. No. 8573. 'Kharkovskii 596'. Kharkovsk Oblast.

258616. No. 8593. 'Omskii 6922'. Omsk Oblast.

258617. No. 8610. 'E-101-Enisei'. Krasnoarsk Krai.

258618. No. 8611. 'Baikal' (Tulunsk 28-H-12). Irkutsk Oblast.

258619. No. 8629. 'Zeleniak'. Poland.

258620. No. 8633. 'Teodoziia'. Poland.

258621. No. 9135. 'Onokhoiskii A-547'. Buriat-Mongolia, A.S.S.R.

258622. No. 9949. 'Iugeva Koidv' (Rassvet). Estonia.

258623. No. 10036. 'Seberyyny 990'. Krasnoarsk Krai.

258624. No. 10096. 'Pokrovskii' (mixed). Yakutsk, A.S.S.R.

258539 to 258738—Continued

258599 to 258638—Continued

258625. No. 10587. 'Belorusskii 1148/2'. Brestsk Oblast, Belorussia.
 258626. No. 10588. 'Belorusskii 981/9'. Brestsk Oblast, Belorussia.
 258627. No. 10728. 'Onokhoiskii 114'. Buryat-Mongolia, A.S.S.R.
 258628. No. 10729. 'Onokhoiskii 214'. Buryat-Mongolia, A.S.S.R.
 258629. No. 10730. 'Sretinskii 1069'. Chitinsk Oblast.
 258630. No. 10792. 'Iskutskii 1708'. Yakutsk, A.S.S.R.
 258631. No. 9275. (Mixture) (var. *flava* × var. *aristata*).
 258632. No. 9143. (var. *flava* × var. *obtusata*). Adventive in cultivated fields. Bashkir, A.S.S.R.
 258633. No. 6753. (var. *kasanensis* × var. *volgensis*). Adventive in cultivated fields. Tatar, A.S.S.R.
 258634. No. 7910. 'Krausei'. Omsk Oblast.
 258635. No. 4829. Adventive in cultivated fields. Armenia.
 258636 and 258637. (Var. *mutica* × var. *aurea*).
 258636. No. 10739. (Mixture). Zakarpatsk Oblast.
 258637. No. 10743. (Mixture). Zakarpatsk Oblast.
 258638. No. 9951. 'Tugeya Roste Kipdlam'. Estonia.
- 258639 to 258654. AVENA SATIVA var. ARISTATA Schlecht.
 258639. No. 1302. 'Moskovskii 315'. Moscow Oblast.
 258640. No. 3444. 'Zhemchushina'. Kirovsk Oblast.
 258641. No. 4301. Adventive in cultivated fields. Gruzinsk, A.S.S.R.
 258642. No. 4676. Turkey.
 258643. No. 4816. Adventive in cultivated fields. Armenia.
 258644. No. 7763. (Mixture). Western China.
 258645. No. 7912. 'Morash'. Kirovsk Oblast.
 258646. No. 8257. 'Sovetskii'. Kiev Oblast, Ukraine.
 258647. No. 8454. 'Viatsk 06522'. Kirovsk Oblast.
 258648. No. 8609. 'Rekord'. Kirovsk Oblast.
 258649. No. 9273. (Mixture). Ukraine.
 258650. No. 9950. 'Tugeva Agu' (Zaria). Estonia.
 258651. No. 9963. Stipryoles. Lithuania.
 258652. No. 9946. 'Girunes'. Lithuania.
 258653. No. 10245. 'Aristats 7'. Kazakh.
 258654. No. 10512. 'Aristata 16'. Kirovsk Oblast.
- 258655 to 258657. AVENA SATIVA var. BRUNNEA Koern. & Wern.
 258655. No. 1738. (Mixture). Irkutsk Oblast, Siberia.
 258656. No. 4079/5. (Mixture). Uliasytai, Mongolia.
 258657. No. 4516. (Mixture). Khevsuretiya, Northern Caucasus.
- 258658 to 258660. AVENA SATIVA var. FLAVA Koern.
 258658. No. 8623. 'Grivach'. Poland.
 258659. No. 9640. 'Kizak'. Grodnensk Oblast, Belorussia.
 258660. No. 10055. 'Odnogriviyni Mestnyi'. Udmurtsk, A.S.S.R.

258539 to 258738—Continued

258661 to 258665. *AVENA SATIVA* var. *GRISEA* Koern. & Wern.

258661. No. 1742. (Mixture). Irkutsk Oblast, Siberia.

258662. No. 1746. (Mixture). Irkutsk Oblast, Siberia.

258663. No. 4065. 'Ozimui Obes'. Crimean Oblast, Ukraine.

258664. No. 4074/12. (Mixture). Uliasytai, Mongolia.

258665. No. 10872. 'Kabardinets'. Kabardino-Balkarsk.

258666. *AVENA SATIVA* var. *MONTANA* Alef.

No. 4808. Adventive in cultivated fields. Armenia.

258667 to 258723. *AVENA SATIVA* var. *MUTICA* Schlecht.

258667. No. 10733. 'Kekhra Sasgirikas'. Estonia.

258668. No. 1253. 'Samarskii Samui Rannii'. Kuibyshevsk Oblast.

258669. No. 2306. 'Shatilovskii 33'. Orlovsk Oblast.

258670. No. 2307. 'Shatilovskii 56'. Orlovsk Oblast.

258671. No. 2392. (Mixture). Irkutsk Oblast, Siberia.

258672. No. 3443. 'Seberianin'. Kirovsk Oblast.

258673. No. 4079. (Mixture). Uliasytai, Mongolia.

258674. No. 4538. Adventive in cultivated fields. Tatar, A.S.S.R.

258675. No. 4646. Vilayet Ankara, Turkey.

258676. No. 4649. Vilayet Ankara, Turkey.

258677. No. 4653. Vilayet Ankara, Turkey.

258678. No. 4664. Vilayet Konia, Turkey.

258679. No. 4666. Vilayet Konia, Turkey.

258680. No. 4672. Adventive in cultivated fields. Vilayet Marash, Turkey

258681. No. 6809. 'Kerkhniaschskii 41'. Kiev Oblast, Ukraine.

258682. No. 7006. (Mixture). Dagestan, A.S.S.R.

258683. No. 7014. (Mixture). Dagestan, A.S.S.R.

258684. No. 7031. (Mixture). Dagestan, A.S.S.R.

258685. No. 7759. (Mixture). Western China.

258686. No. 7951. 'Mutica 145'. Omsk Oblast.

258687. No. 8077. 'Krymskii 75'. Ukraine, S.S.R.

258688. No. 8238. 'Minskii 92'. Minsk Oblast, Belorussia, S.S.R.

258689. No. 8239. 'Minskii 100'. Minsk Oblast, Belorussia, S.S.R.

258690. No. 8254. 'Vydvizhenets F-194'. Krasnoiarsk Krai.

258691. No. 8614. 'Chakinskii 1812'. Tambovsk Oblast.

258692. No. 8622. 'Rykhlik Kozarovskii'. Ex Poland.

258693. No. 8768. 'Mutica 588'. Leningrad, Oblast.

258694. No. 8769. 'Krymskii 53'. Crimea Oblast, Ukraine, S.S.R.

258695. No. 8770. 'Krymskii 90'. Crimea Oblast, Ukraine, S.S.R.

258696. No. 9128. 'Shatilovskii 30-H-15'. Orlovsk Oblast.

258697. No. 9134. 'Beta 10-H-4' (Sibiriak). Irkutsk Oblast.

258698. No. 9136. 'Khoinitskii' (mixed). Belorussia, S.S.R.

258699. No. 9715. 'Khibiny 1'. Murmansk Oblast.

258539 to 258738—Continued

258667 to 258723—Continued

258700. No. 9869. 'Khibiny 2'. Murmansk Oblast.
 258701. No. 9929. 'Stendskii Malui Lannii'. Latvia, S.S.R.
 258702. No. 9936. 'Priekulskii Belui'. Latvia, S.S.R.
 258703. No. 9939. 'Bendery 878a'. Moldavia, S.S.R.
 258704. No. 9948. 'Kekhrskii Rannii'. Estonia, S.S.R.
 258705. No. 9966. 'Onokhoiskii C-213'. Buriat-Mongolia.
 258706. No. 10414. (Mixture). Lithuania, S.S.R.
 258707. No. 10413. (Mixture). Lithuania, S.S.R.
 258708. No. 10731. 'Aleksandrovskii 764'. Vladimirska Oblast.
 258709. No. 10734. 'Tugeva Khiamarik'. Estonia, S.S.R.
 258710. No. 10753. (Mixture). Zakarpatsk Oblast.
 258711. No. 10768. 'Bolshevik'. Kiev Oblast, Ukraine, S.S.R.
 258712. No. 10769. 'Komsomolets'. Kiev Oblast, Ukraine, S.S.R.
 258713. No. 10787. 'Semipalatinskii 254'. Semipalatinsk Oblast, Kazakh, S.S.R.
 258714. No. 10788. 'Beltskii 1'. Moldavia, S.S.R.
 258715. No. 10790. 'Lgovskii 1026'. Kursk Oblast.
 258716. No. 10830. 'Stendskii 6977'. Latvia, S.S.R.
 258717. No. 10854. 'Artemovskii 1'. Stalinsk, Oblast.
 258718. No. 10866. 'Kazanskii 660'. Tatar, A.S.S.R.
 258719. No. 10867. 'Chkalovskii 90'. Chkalovsk Oblast.
 258720. No. 10868. 'Vologodskii 1'. Vologodsk Oblast.
 258721. No. 10869. 'Nosovskii 1'. Chernigovskii Oblast.
 258722. No. 10870. 'Nemchinovskii 1'. Moscow Oblast.
 258723. No. 10951. 'Ligo'. Latvia, S.S.R.

258724 to 258726. *AVENA SATIVA* var. *OBTUSATA* Alef.

258724. No. 3456. 'Magistral'. Kirovsk Oblast.
 258725. No. 10420. Mixture. Lithuania, S.S.R.
 258726. No. 10772. 'Vsered'. Sakhalinsk, Oblast.

258727 to 258733. *AVENA STRIGOSA* Schreb.

258727. No. 9285. Ukraine, S.S.R.

258728 to 258731. Typical.

258728. No. 2168. Latvia, S.S.R.
 258729. No. 4914. Novgorodsk Oblast.
 258730. No. 5199. Ex Lugo, Spain.
 258731. No. 5201. Ex Lugo, Spain.
 258732. No. 2172. Ex France.
 258733. No. 5218. Ex Lugo, Spain.

258734. *AVENA SATIVA* var. *SEGITALIS* Vav.

- No. 2896. Adventive in cultivated fields. Kirovsk Oblast.

258735 to 258738. *AVENA SATIVA* var. *VOLGENSIS* Nevski.

- Adventive in cultivated fields. Tatar, A.S.S.R.

258735. No. 2130 258737. No. 2138.
 258736. No. 2131 258738. No. 6745.

258739 and 258740.

From the Union of South Africa. Seeds presented by the Division of Botany, Pretoria. Received June 24, 1959.

258739. *HIBISCUS CANNABINUS* L. Malvaceae.

Kenaf.

Collected near Pretoria.

258740. *HIBISCUS* sp.

Seed from the Okayango area. Frost sensitive.

258741 to 258794.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received June 24, 1959.

258741 and 258742. *ALOPECURUS PRATENSIS* L. Poaceae. **Meadow foxtail.**

258741. No. 26724. 'Morshanskii 769'. Tambov Oblast, R.S.F.S.R.

258742. No. 27858. 'Iugeba 6'. Estonia, S.S.R.

258743 to 258747. *BROMUS INERMIS* Leyss. Poaceae.

Smooth brome.

258743. No. 26779. 'Omskii 1585'. Omsk Oblast, R.S.F.S.R.

258744. No. 25756. 'Morshanskii 760'. Tambov Oblast, R.S.F.S.R.

258745. No. 27852. 'Penzenskii 1'. Penza Oblast, R.S.F.S.R.

258746. No. 28270. 'Bashkirskii'. Mixture. Bashkir A.S.S.R., R.S.F.S.R.

258747. No. 29194. 'Bezenchukskii 9'. Kuybyshev Oblast, R.S.F.S.R.

258748 and 258749. *FESTUCA ELATIOR* L. Poaceae.

Meadow fescue.

258748. No. 22827. 'Leningradskaia 804'. Leningrad Oblast, R.S.F.S.R.

258749. No. 22858. 'Moskovskaia 62'. Moscow Oblast, R.S.F.S.R.

258750 to 258758. *MEDICAGO FALCATA* L. Fabaceae.

Yellow-flowered alfalfa.

258750. No. 13412. Wild. Kazakh, S.S.R.

258751. No. 22506. 'Kubanskaia Zholtaiia'. Krasnodar Krai, R.S.F.S.R.

258752. No. 16390. Wild. Rostov Oblast, R.S.F.S.R.

258753. No. 20044. 'Zaisanskaia'. Wild. Kazakh, S.S.R.

258754. No. 22382. 'Maikopskaia Zholtaiia'. Krasnodar Krai, R.S.F.S.R.

258755. No. 23738. 'Krasnokulskaia 4009'. Saratov Oblast, R.S.F.S.R.

258756. No. 26689. 'Omskaya 1251'. Omsk Oblast, R.S.F.S.R.

258757. No. 26771. 'Sternaia 600'. Voronezh Oblast, R.S.F.S.R.

258758. No. 28900. 'Dukorestushchaia'. Krasnoyarsk Krai, R.S.F.S.R.

258759 to 258762. *MEDICAGO PLATYCARPA* (L.) Trautv.

258759. No. 15623.

258760. No. 24956. Western Siberia.

258761. No. 25087. Western Siberia.

258762. No. 29008. Altai Krai, R.S.F.S.R.

258763 to 258766. *MEDICAGO SATIVA* L.

Alfalfa.

258763. No. 4556. 'Omskaia Gibridnaia 1661'. Omsk Oblast, R.S.F.S.R.

258764. No. 20131. 'Omskaia 8893'. Omsk Oblast, R.S.F.S.R.

258765. No. 24988. 'Omskaia Gibridnaia 9792'. Omsk Oblast, R.S.F.S.R.

258766. No. 29010. 'Pushkinskaia'. Mixture. Azerbaidjan, S.S.R.

258741 to 258794—Continued

- 258767 to 258778.** *ONOBRYCHIS VICHIFOLIA* Scop. Fabaceae. **Sainfoin.**
 258767. No. 11445. Mixture.
 258768. No. 14377. 'Reskhanii 1251'. Ukraine, S.S.R.
 258769. No. 16144. 'Dukorastuschaia'. Armenia, S.S.R.
 258770. No. 11436. 'Dukorastushchii'. Stavropol Krai, R.S.F.S.R.
 258771. No. 16290. 'Dukorastushchii'. Krasnodar Krai, R.S.F.S.R.
 258772. No. 11446. 'Dukorastushchii'. Azerbaidjan, S.S.R.
 258773. No. 19571. 'Miatiletka'. Ukraine, S.S.R.
 258774. No. 9696. 'Severo-Kavkazekii Dvuukosnii'. Krasnodar Krai, R.S.F.S.R.
 258775. No. 11732. Mixture. Armenian, S.S.R.
 258776. No. 16537. 'Dukoractushchii'. Krachaeu Oblast.
 258777. No. 16560. 'Dukoractushchii'. Kabardin, A.S.S.R., R.S.F.S.R.
 258778. No. 29982. 'Dukoractushchii'. Kabardin, A.S.S.R., R.S.F.S.R.
- 258779 to 258784.** *PHLEUM PRATENSE* L. Poaceae. **Timothy.**
 258779. No. 22010. 'Moskovskaia 362'. Moscow Oblast, R.S.F.S.R.
 258780. No. 22854. 'Moskovskaia 1480'. Moscow Oblast, R.S.F.S.R.
 258781. No. 26834. 'Moskovskaia 5'. Moscow Oblast, R.S.F.S.R.
 258782. No. 27719. 'Narytskaia'. Tomsk Oblast, R.S.F.S.R.
 258783. No. 27887. 'Yaroslavskaa 11'. Yaroslav Oblast, R.S.F.S.R.
 258784. No. 28022. 'Krasnoufitskaia 137'. Sverdlovsk Oblast, R.S.F.S.R.
- 258785 and 258786.** *POA PRATENSIS* L. Poaceae. **Kentucky bluegrass.**
 258785. No. 27876. 'Morshanskii'. Tambov Oblast, R.S.F.S.R.
 258786. No. 22011. 'Moskovskii 2019'. Moscow Oblast, R.S.F.S.R.
- 258787 and 258788.** *TRIFOLIUM AMBIGUUM* Bieb. Fabaceae. **Kura clover.**
 258787. No. 32482. Armenia, S.S.R.
 258788. No. 30172. Krasnodar Krai, R.S.F.S.R.
- 258789 to 258791.** *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**
 258789. No. 27616. 'Gdovskii'. Pskov Oblast, R.S.F.S.R.
 258790. No. 26170. 'Borovichskii'. Novgorod Oblast, R.S.F.S.R.
 258791. No. 26637. 'Narymskii'. Moscow Oblast, R.S.F.S.R.
- 258792 and 258793.** *TRIFOLIUM PRATENSE* L. **Red clover.**
 258792. No. 25347. 'Estonskii Kudriash'. Estonia, S.S.R.
 258793. No. 35154. 'Kirovskii'. Kirov Oblast, R.S.S.F.R.
- 258794.** *TRIFOLIUM PRATENSE* L. **Red clover.**
 No. 20138. 'Belotzerkovskii 3306'. Ukraine, S.S.R.

258795 to 258806.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received June 25, 1959.

- 258795.** *SORGHUM ARUNDINACEUM* (Willd.) Stapf Poaceae. **Kamerun grass.**
 No. 12020. College of Agriculture, Potchefstroom, South Africa.

258795 to 258806—Continued**258796.** *SORGHUM AUSTRALIENSE* Garber & Snyder

C845. Northern Territory.

258797. *SORGHUM BREVICALLOSUM* Garber

C898. Northern Territory.

258798. *SORGHUM DIMIDIATUM* Stapf

No. 17379. Ministry of Agriculture, Wad Medani, Anglo-Egyptian Sudan.

258799. *SORGHUM INTRANS* F. Muell.

C1021. Northern Territory.

258800. *SORGHUM LAXIFLORUM* F. M. Bailey

C876. Northern Territory.

258801. *SORGHUM NITIDUM* (Vahl) Pers.

Q262. Queensland.

258802. *SORGHUM PLUMOSUM* (R. Br.) Beauv.

C894. Northern Territory.

258803 and 258804. *SORGHUM STIPOIDEUM* (Ewart & J. White) Gard. & Hubb.**258803.** C453. Northern Territory.**258804.** W620. Western Australia.**258805.** *SORGHUM DURRA* Forsk.

No. 13605. Agriculture Research Institute, Coimbatore, India.

258806. *SORGHUM* sp.

No. 13299. Institute of Plant Industry, Indore, India.

258807 to 258812.From Rumania. Seeds presented by the University of Wisconsin, Madison.
Received June 26, 1959.**258807.** *CAPSICUM FRUTESCENS* L. Solanaceae.**Redpepper.****258808 to 258812.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato****258808.** 'Aurora'.**258809.** 'De Tiganesti'.**258810.** 'Linia 71'.**258811.** 'Master Carnosa'.**258812.** 'Selectiunea Falticeni'.**258813 to 258816.**From Union of Soviet Socialist Republics. Seeds presented by the All-Union
Institute of Plant Industry, Leningrad. Received June 26, 1959.Seeds collected by the Voronezh Botanical Garden and the Armenian Academy
of Science.**258813.** *LACTUCA SALIGNA* L. Cichoriaceae.**258814.** *LACTUCA SATIVA* L.**Lettuce.****258815 and 258816.** *LACTUCA SERRIOLA* L.**258815.** No. 1.**258816.** No. 2.

258817 to 258845. MEDICAGO SATIVA L. Fabaceae. Alfalfa.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Breeding, Leningrad. Received June 30, 1959.

- 258817. No. 27733. 'Azerbaidzhanskaia 262'. Azerbaidjan, S.S.R.
- 258818. No. 22502. 'Balskovskaia'. Ukraine, S.S.R.
- 258819. No. 26948. 'Balyiskaia'. Stalingrad Oblast, R.S.F.S.R.
- 258820. No. 26596. 'Bogarnaia No. 1'. Uzbek, S.S.R.
- 258821. No. 26787. 'Brodskaiia'. Chkalov Oblast, R.S.F.S.R.
- 258822. No. 20897. 'Cemirechenskaia 951'. Alma-Ata Oblast, Kazakh, S.S.R.
- 258823. No. 28220. 'Chishminskaiia 130'. Bashkir, A.S.S.R., R.S.F.S.R.
- 258824. No. 28910. 'Dnepropetrovskaia'. Ukraine, S.S.R.
- 258825. No. 29567. 'Dolinskaia No. 2'. Karaganda Oblast, Kazakh, S.S.R.
- 258826. No. 20896. 'Ferganskaia'. Fergana Oblast, Uzbek, S.S.R.
- 258827. No. 23425. 'Kamalinskaia 530'. Krasnoyarsk Krai, R.S.F.S.R.
- 258828. No. 23426. 'Kamalinskaia 930'. Krasnoyarsk Krai, R.S.F.S.R.
- 258829. No. 29566. 'Kazanskaia 64/95'. Tatar, ASSR, R.S.F.S.R.
- 258830. No. 23449. 'Kinelskaia No. 5'. Kuybyshev Oblast, R.S.F.S.R.
- 258831. No. 23448. 'Kinelskaia 2616'. Kuybyshev Oblast, R.S.F.S.R.
- 258832. No. 22504. 'Manuchskaia'. Rostov Oblast, R.S.F.S.R.
- 258833. No. 20140. 'Markhamatskaia 5117'. Uzbek, S.S.R.
- 258834. No. 27546. 'Nakhichevanskaia'. Nakhichevan, A.S.S.R.
- 258835. No. 26828. 'Onokhoiskaia'. Buryat-Mongolia, ASSR, R.S.F.S.R.
- 258836. No. 26688. 'Priaralskaia'. Aktyubinsk Oblast, Kazakh, S.S.R.
- 258837. No. 29202. 'Slavianskaia'. Krasnodar Krai, R.S.F.S.R.
- 258838. No. 25782. 'Tibetskaia'. Aktyubinsk Oblast, Kazakh, S.S.R.
- 258839. No. 26528. 'Tulkevichskaia'. Krasnodar Krai, R.S.F.S.R.
- 258840. No. 26714. 'Ukrainskaia 256'. Ukraine, S.S.R.
- 258841. No. 25081. 'Uralskaia Siniaia'. North Kazakhstan Oblast, Kazakh, S.S.R.
- 258842. No. 24336. 'Zaikevicha'. Ukraine, S.S.R.
- 258843. No. 23858. 'Zaikevicha Odesskii'. Ukraine, S.S.R.
- 258844. No. 26704. Alma-Ata Oblast, Kazakh, S.S.R.
- 258845. No. 30105. Kurgan Oblast, R.S.F.S.R.

258846. CYNODON DACTYLON (L) Pers. Poaceae. Bermudagrass.

From the Union of South Africa. Roots presented by the South African Turf Research Station, Bergvlei, Johannesburg. Received July 2, 1959.

258847 and 258848.

From China. Plants collected by the University of California Advisory Team, National Taiwan University, Taipei, Taiwan. Received July 6, 1959.

- 258847. CHRYSANTHEMUM (hybrids). Asteraceae.
'Taiwan 19'; 'King in White'. Standards white.
- 258848. CHRYSANTHEMUM (hybrids).
'Taiwan 24'; 'The Dress Up Dala'. Standards red.

258849 to 258857.

From Bolivia. Tubers and seeds presented by the Ministry of Agriculture, Inter-American Agricultural Service, La Paz. Received July 6, 1959.

258849 to 258851. *SOLANUM CARDENASII* Hawkes Solanaceae.

258849. 'Chaucha Amarilla'. Tubers.

258850. 'Chaucha Negra'. Tubers.

258851. 'Chaucha Redonda'. Tubers.

258852 to 258854. *SOLANUM PHUREJA* Juz. & Buk.

258852. 'Blanca'. Tubers.

258853. 'Negra'. Tubers.

258854. 'Roja'. Tubers.

258855. *SOLANUM CARDENASII* Hawkes

Seeds from Vallegrande.

258856. *SOLANUM VIOLACEIMARMORATUM* Bitter

Seeds from Unduavi.

258857. *SOLANUM* sp.

Seeds from La Paz.

258858. *SOLANUM* sp. Solanaceae.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 6, 1959.

Col. No. 17720. Twenty-one miles east of Ensenada, Baja California. Suffrutescent herb; leaves narrow, small, caudex woody from several stems.

258859. *VITEX AGNUS-CASTUS* Linn. Verbenaceae.

Lilac chaste-tree.

From Israel. Seeds presented by the Forest Research Institute, Ilanot. Received July 7, 1959.

Collected in West Galilee, Naharia, 1956.

258860 to 258936.

From Bolivia. Tubers presented by the Departamento de Botanica, Universidad Mayor de San Simon, Cochabamba. Received July 7, 1959.

258860. *SOLANUM AHANHUIRI* Juz. & Buk. Solanaceae.

No. 55. 'Papa Yare'. Oruro. Elevation 3,700 meters.

258861 to 258899. *SOLANUM ANDIGENUM* Juz. & Buk.

258861. No. 1. 'Abajena'. Lagunillas-Potosi. Elevation 3,600 meters.

258862. No. 2. 'Yana Imilla'. Lagunillas-Potosi. Elevation 3,200 meters.

258863. No. 8. 'Sacampaya'. Tinguipaya-Potosi. Elevation 3,800 meters.

258864. No. 11. 'Sipankachi'. Lagunillas-Potosi. Elevation 3,600 meters.

258865 to 258872. Tinguipaya-Potosi. Elevation 3,700 meters.

258865. No. 15. 'Pali'.

258866. No. 19. 'Alka Koillu'.

258867. No. 21. 'Yana Alka Luki'.

258868. No. 22. 'Soliman'.

258869. No. 25. 'Yana Papa'.

258870. No. 27. 'Pituhuayaka'.

258871. No. 36. 'Alka Papa'.

258860 to 258936—Continued**258861 to 258899—Continued****258865 to 258872—Continued**

258872. No. 37. 'Kellu Lurun'.

258873 to 258878. Oruro. Elevation 3,700 meters.

258873. No. 47. 'Puka Pali'.

258874. No. 48. 'Amajaya'.

258875. No. 53. 'Huaca Nahui'.

258876. No. 54. 'Huaca Zapatu'.

258877. No. 56. 'Siquinchilla'.

258878. No. 59. 'Yana Papa'.

258879 to 258882. Challapata-Oruro. Elevation 3,700 meters.

258879. No. 61. 'Yana Condori'.

258880. No. 73. 'Puka Imilla'.

258881. No. 85. 'Aika Imilla'.

258882. No. 92. 'Huacazapatu'.

258883. No. 95. 'Yurac Sotamari'. Poopo-Oruro. Elevation 3,600 meters.

258884. No. 135. 'Janko Imilla'. Tacacoma-La Paz. Elevation 3,400 meters.

258885. No. 136. 'Chiar Imilla'. Tacacoma-La Paz. Elevation 3,600 meters.

258886. No. 165. 'Runa'. Chachacomani-Quillacollo. Elevation 2,800 meters.

258887. No. 169. 'Puca Mama'. Chachacomani-Quillacollo. Elevation 2,800 meters.

258888. No. 174. 'Yurac Imilla'. Chachacomani-Quillacollo. Elevation 2,800 meters.

258889. No. 270. 'Zapallu Papa'. Chico-Chico-Potosi. Elevation 3,600 meters.

258890. No. 302. 'Membrilla'. Linares-Potosi. Elevation 3,600 meters.

258891. No. 305. 'Puka Imilla'. Linares-Potosi. Elevation 3,600 meters.

258892. No. 307. 'Tunku-Thuru'. Linares-Potosi. Elevation 3,600 meters.

258893. No. 308. 'Puca Chuchulli'. Linares-Potosi. Elevation 3,600 meters.

258894. No. 357. 'Sipu-siqui'. Choro-Ayopaya. Elevation 3,000 meters.

258895 to 258899. Puna-Potosi. Elevation 3,600 meters.

258895. No. 371. 'Puca Palama'.

258896. No. 372. 'Alkanahui'.

258897. No. 373. 'Yana Imilla'.

258898. No. 377. 'Puka Chuchulli'.

258899. No. 381. 'Yana Palama'.

258900. *SOLANUM CURTILOBUM* Juz. & Buk.

No. 30. 'Yana Luki'. Tinguipaya-Potosi. Elevation 3,700 meters.

258860 to 258936—Continued**258901 to 258905. SOLANUM JUZEPCZUKI** Bukas.

258901. No. 29. 'Chko-Luki'. Tinguipaya-Potosi. Elevation 3,700 meters.

258902. No. 71. 'Kaisalla Luki'. Poopo-Oruro. Elevation 3,700 meters.

258903. No. 46. 'Luki-Morado'. Oruro. Elevation 3,700 meters.

258904. No. 43. 'Puka Luki'. Oruro. Elevation 3,700 meters.

258905. No. 4. 'Yurac Luki'. Tinguipaya-Potosi. Elevation 3,700 meters.

258906 to 258914. SOLANUM STENOTOMUM Juz. & Buk.

258906. No. 382. 'Anil Papa'. Puna-Potosi. Elevation 3,600 meters.

258907. No. 99. 'Huaca Nahui'. Challapata-Oruro. Elevation 3,600 meters.

258908. No. 58. 'Jahuanchara'. Oruro. Elevation 3,700 meters.

258909. No. 88. 'Papa Isuli'. Poopo-Oruro. Elevation 3,700 meters.

258910. No. 79. 'Papa Leke'. Poopo-Oruro. Elevation 3,700 meters.

258911. No. 363. 'Pituhuayaka'. Choro-Ayopaya. Elevation 3,000 meters.

258912. No. 176. 'Puka Sotamari'. Chachacomani-Quillacollo. Elevation 2,900 meters.

258913. No. 366. 'Yana Koillu'. Choro-Ayopaypa. Elevation 3,000 meters.

258914. No. 304. 'Yurac Malkachu'. Linares-Potosi. Elevation 3,700 meters.

258915. SOLANUM sp.

No. 109. 'Alka Imilla'. Challapata-Oruro. Elevation 3,700 meters.

258916. SOLANUM sp.

No. 168. 'Candelerero'. Chachacomani-Quillacollo. Elevation 2,800 meters.

258917. SOLANUM sp.

No. 350. 'Checchi Pacena'. Choro-Ayopaya. Elevation 3,000 meters.

258918. SOLANUM sp.

No. 139. 'Chiarhuañli'. Tacacoma-La Paz. Elevation 3,600 meters.

258919. SOLANUM sp.

No. 134. 'Huila Pallalla' or 'Huilaipichuyu'. Tacacoma-La-Paz. Elevation 3,600 meters.

258920. SOLANUM sp.

No. 206. 'Kutu'. Colomi-Chapare. Elevation 3,400 meters.

258921. SOLANUM sp.

No. 163. 'Lapia'. Chachacomani-Quillacollo. Elevation 2,800 meters.

258922. SOLANUM sp.

No. 166. 'Lunku Imilla'. Chachacomani-Quillacollo. Elevation 2,900 meters.

258923. SOLANUM sp.

No. 250. 'Lunku Imilla'. Colomi-Chapare. Elevation 3,400 meters.

258924. SOLANUM sp.

No. 229. 'Lunku-Taquina'. Altamachi-Ayopaya. Elevation 3,500 meters.

258925. SOLANUM sp.

No. 141. 'Pako Imilla'. Tacacoma-La Paz. Elevation 3,600 meters.

258860 to 258936—Continued**258926.** SOLANUM sp.

No. 173. 'Papa Carlos'. Chachacomani-Quillacollo. Elevation 2,800 meters.

258927. SOLANUM sp.

No. 252. 'Papa Peruana'. Colomi-Chapara. Elevation 3,400 meters.

258928. SOLANUM sp.

No. 133. 'Parko'. Jullumaica-La Paz. Elevation 3,600 meters.

258929. SOLANUM sp.

No. 108. 'Paka Taka'. Poopo-Oruro. Elevation 3,700 meters.

258930. SOLANUM sp.

No. 170. 'Tanta Huagua'. Chachacomani-Quillacollo. Elevation 2,800 meters.

258931. SOLANUM sp.

No. 107. 'Yana Pinu'. Challapata-Oruro. Elevation 3,700 meters.

258932. SOLANUM sp.

No. 111. Oruro market. Elevation 3,700 meters.

258933. SOLANUM sp.

No. 112. Oruro market. Elevation 3,700 meters.

258934. SOLANUM sp.

No. 113. Oruro market. Elevation 3,700 meters.

258935. SOLANUM sp.

No. 115. Oruro market. Elevation 3,700 meters.

258936. SOLANUM sp.

No. 142. Tacacoma-La Paz. Elevation 3,600 meters.

258937 to 258942. ARACHIS HYPOGAEA L. Fabaceae. **Peanut.**

From Nigeria. Seeds presented by the Georgia Experiment Station, Tifton, Georgia. Received July 9, 1959.

258937. 'Castle Cary'. Bunch type; late.**258938.** 'Kano 50'. Bunch type; late.**258939.** 'Maigardo'. Runner type.**258940.** 'Natal Common'. Spanish type.**258941.** 'Samaru 38'. Bunch type; late.**258942.** 'Tudum Wada'. Runner type; very late.**258943.** ARACHIS MARGINATA Gardn. Fabaceae.

From Argentina. Seeds presented by the Division of [Plant Exploration and Introduction, Buenos Aires. Received July 9, 1959.

DEIP 65190. Plants nonvigorous; seeds few.

258944. MALUS SYLVESTRIS Mill. Malaceae. **Common apple.**

From Turkey. Budwood presented by the United States Operations Mission, Ankara. Received July 9, 1959.

Dwarf type. Limestone and volcanic areas, dividing line. Elevation 1,250 meters. Selection from different trees in two Nigde orchards. Plants to one meter high; fruits sweet.

258945 to 258947.

From Japan. Plants collected by R. E. Perdue, Jr., agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 10, 1959.

From Nakada Nursery, Angyo. July 6, 1959.

258945. JUNIPERUS CHINENSIS L. Pinaceae.

Col. No. 9606. 'Kaizuka'.

258946. LIRIOPE sp. Liliaceae.

Col. No. 9605. 'Hakuryu'.

258947. LIRIOPE sp.

Col. No. 9604. 'Kokuryo'.

258948. PYRUS COMMUNIS L. Malaceae.**Pear.**

From Australia. Budwood presented by D. G. Mock, East Burwood, Victoria. Received July 13, 1959.

258949. CYNODON TRANSVAALENSIS Burt-Davy. Poaceae.

From Ethiopia. Rhizomes presented by Ben R. Jackson, Addis Ababa. Received July 14, 1959.

258950. CITRUS sp. Rutaceae.

From India. Seeds presented by the Allahabad Agricultural Institute, New Delhi. Received July 14, 1959.

'Galgai'. Monoembryonic. The tree and fruits resemble lemon, but there seem to be some notable differences in the tree as well as the fruit.

258951. ORYZA SATIVA L. Poaceae.**Rice.**

From Venezuela. Seed presented by the United States Embassy, Caracas. Received July 8, 1959.

'Cebda'. Ex El Salvador.

258952 and 258953.

From Mexico and the United States. Plants collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 14, 1959.

258952. AGAVE PARVIFLORA Torr. Amaryllidaceae.

Col. No. 17752. Ruby, Arizona.

258953. AGAVE sp.

Col. No. 17732. Bahia San Carlos, Sonora, Mexico. Plant small, clustered rosettes; leaves faintly white-marked, finely filiferous, with deep rounded keel, reddish marginal above and below, somewhat falcate.

258954. STANGERIA ERIOPUS (Kunze.) Nash. Cycadaceae.

From the Union of South Africa. Seeds presented by the Division of Botany, Pretoria. Received July 14, 1959.

258955. POA FLABELLATA (Lam.) Raspail. Poaceae. Tussock grass.

From the Falkland Islands. Seeds presented by C. V. Porter, Blaine, Washington. Received July 15, 1959.

Reported to be a very important Falkland grass. Plant hardy and adapted to poor soil.

258956 and 258957. ALLIUM CEPA L. Liliaceae.**Onion.**

From Chile. Seeds presented by the United States Operations Mission, Santiago. Received July 15, 1959.

258956 and 258957—Continued

258956. 'Calderana 1028'. From 'Copiapo'. Bulb flattened, straw-yellow; flavor strong. An early producer, keeping qualities poor.

258957. 'Valenciana'. Bulb globe shape, yellow; flavor medium strong. A selection from the variety 'Valenciana of Spain'; keeping quality poor.

258958 and 258959.

From Kenya. Seeds presented by the University of Hawaii, Honolulu, Oahu, Hawaii. Received July 17, 1959.

258958. *ANDROPOGON DUMMERI* Stapf Poaceae.

Simba Hills, Sabaki River, near Galani.

258959. *SACCHARUM SPONTANEUM* L. Poaceae.

Sugarcane.

Simba Hills, Sabaki River, near Galani.

258960 to 258965. *BRASSICA OLERACEAE* var. *CAPITATA* L. Brassicaceae. **Cabbage.**

From Denmark. Seeds purchased from A. Hansen, Kastrup, Amager. Received July 18, 1959.

258960. G9164. 'Amager Shortstemmed'. ('Danish Roundhead', 'Danish Ballhead Shortstemmed'). Head medium size, balloon-shaped; keeps well in storage.

258961. G9165. 'Amager Mediumstemmed'. Heads medium size, heavier than 'Amager Shortstemmed', balloon-shaped; keeps well in storage.

258962. G9166. 'Original Golden Acre'. Heads early, round, firm, medium size; outer leaves in narrow frame allowing close planting. Excellent quality.

258963. G9167. 'Original Golden Acre'. Heads early, round, firm, medium size; outer leaves in narrow frame allowing close planting. Excellent quality. Backcrossed for yellows resistance.

258964. G9168. 'Glory of Enkhuizen'. Plants early to midseason, large; heads globe-shaped, 5-6 pounds, hard; leaves numerous, large; extended slightly above top of head; stems small. Used for sauerkraut.

258965. G9169. 'Original Louisiana'.

258966 to 259123. VITIS (hybrids).

Grape.

From Germany. Cuttings presented by the Landes-Lehr- und Forschungsanstalt für Wein- und Gartenbau, Neustadt, Weinstr.

258966. No. 809. 'Abduliski'.

258967. No. 472. 'Agridio Mavro'.

258968. No. 755. 'Akeny'.

258969. No. 763. 'Ak Chalily'.

258970. No. 764. 'Ak Jusium'.

258971. No. 761. 'Ak Schekerek'.

258972. No. 745. 'Ara Hirna'.

258973. No. 29. 'Aramon Schwarz'.

258974. No. 902. 'Al Yaium'.

258975. No. 72. 'Alicante Provincial'.

258976. No. 291. 'Alim Brusse'.

258977. No. 31. 'Audibert'.

258978. No. 428. 'Auguster Gelb'.

258979. No. 147. 'Auvergnat'.

258980. No. 189. 'Auvergnat Blanc'.

258966 to 259123—Continued

258981. No. 433. 'Bakator'.
258982. No. 415. 'Balafante'.
258983. No. 297. 'Balsamina'.
258984. No. 224. 'Benis Salen'.
258985. No. 225. 'Bican du Cher'.
258986. No. 130. 'Cabernet Carmener'.
258987. No. 132. 'Cabernet Sauvignon'.
258988. No. 746. 'Cairadzouli Rosa'.
258989. No. 34. 'Calitor'.
258990. No. 33. 'Carignan'.
258991. No. 503. 'Carmenet'.
258992. No. 207. 'Chalian de Drome'.
258993. No. 896. 'Chalile Isium'.
258994. No. 180. 'Chalosse Dore'.
258995. No. 792. 'Chan Isium'.
258996. No. 785. 'Chaouch Von Degermenkoy'.
258997. No. 236. 'Chasselas de Nates'.
258998. No. 229. 'Chasselas Mi-cioutat'.
258999. No. 235. 'Chasselas Musque'.
259000. No. 237. 'Chasselas Napoleon'.
259001. No. 268. 'Chasselas Negrepont'.
259002. No. 239. 'Chasselas Vibert'.
259003. No. 35. 'Cinsaut'.
259004. No. 7. 'Clairette de Limou'.
259005. No. 36. 'Clairette Rosa'.
259006. No. 6. 'Clairette Weib'.
259007. No. 463. 'Corinthe Blanche'.
259008. No. 91. 'Cornichon de Crimee'.
259009. No. 464. 'Cornichon Rouge'.
259010. No. 127. 'Domery'.
259011. No. 748. 'Doppelaugen'.
259012. No. 62. 'Dirbey de Marseille'.
259013. No. 39. 'Espagnon'.
259014. No. 425. 'Feguiri'.
259015. No. 405. 'Fester's White Seedling'.
259016. No. 118. 'Firsky Precoc'.
259017. No. 177. 'Folle Noir'.
259018. No. 377. 'Gaisdut'.
259019. No. 404. 'Gaisdut Blau'.
259020. No. 196. 'Gamay Grand'.
259021. No. 191. 'Gamay Rundblattrig'.
259022. No. 198. 'Gamay Toma'.
259023. No. 440. 'Gartentokay'.

258966 to 259123—Continued

259024. No. 769. 'Geok Souli'.
259025. No. 478. 'Golden Ambro'.
259026. No. 481. 'Goulu d'Iser'.
259027. No. 222. 'Gradiska'.
259028. No. 206. 'Gros Coulard Rosa'.
259029. No. 74. 'Gros Pompega'.
259030. No. 121. 'Guian Aromatique'.
259031. No. 350. 'Guveho'.
259032. No. 768. 'Houssein Lunda'.
259033. No. 973. 'Jakdona'.
259034. No. 841. 'Jakdona Rosa'.
259035. No. 762. 'Jakschi Kirak'.
259036. No. 325. 'Jaune de Catalogne'.
259037. No. 454. 'Jaune de Smirma'.
259038. No. 10. 'Joannene Charnu'.
259039. No. 436. 'Kadarka'.
259040. No. 814. 'Kara Isium Turkmensky'.
259041. No. 897. 'Kara Oglan'.
259042. No. 819. 'Kilossie Gebirgig'.
259043. No. 776. 'Kule Dary'.
259044. No. 107. 'Laguette'.
259045. No. 243. 'Lignan Blanq'.
259046. No. 747. 'Liali Bidona'.
259047. No. 313. 'Lizilyskyi Blau'.
259048. No. 14. 'Malvoisie Rot'.
259049. No. 241. 'Madeleine Angevine'.
259050. No. 452. 'Malvoiside Chypre'.
259051. No. 308. 'Malvoisie Rot'.
259052. No. 246. 'Marechal Bosque'.
259053. No. 38. 'Maroccain Noir'.
259054. No. 401. 'Martinstraube'.
259055. No. 756. 'Matrassa'.
259056. No. 366. 'Mauzac Rose'.
259057. No. 486. 'Mellier de Borome'.
259058. No. 210. 'Mondeuse'.
259059. No. 199. 'Mornan'.
259060. No. 104. 'Morsanne Blanc'.
259061. No. 77. 'Mounestan'.
259062. No. 55. 'Mourvedre de Goute'.
259063. No. 93. 'Muscat Calliaba'.
259064. No. 287. 'Muscat Croquant'.
259065. No. 102. 'Muscat de Toscane'.
259066. No. 250. 'Muscat du Puis de Dome'.

258966 to 259123—Continued

259067. No. 248. 'Muscat Precoce (14)'.
259068. No. 21. 'Muscat Primavis'.
259069. No. 251. 'Muscat Saint Daurant'.
259070. No. 261. 'Muscat Simple'.
259071. No. 252. 'Muscat Trewaren'.
259072. No. 203. 'Malvoisie de Lasserai'.
259073. No. 379. 'Nassau'.
259074. No. 163. 'Nerre de Maine'.
259075. No. 83. 'Notre Dame'.
259076. No. 340. 'Opporto Nr. 5'.
259077. No. 783. 'Otscha Bala'.
259078. No. 80. 'Pampega'.
259079. No. 253. 'Panse Jaune'.
259080. No. 66. 'Panse Weib Pane'.
259081. No. 341. 'Polomino'.
259082. No. 112. 'Petit Syrah du Rhone'.
259083. No. 491. 'Pie Saint Marne'.
259084. No. 316. 'Portugais'.
259085. No. 317. 'Portugais Blou'.
259086. No. 168. 'Pouton d'Agent'.
259087. No. 226. 'Precose d'Ambre'.
259088. No. 255. 'Precose de Courtillier'.
259089. No. 492. 'Precose de Varnawa'.
259090. No. 388. 'Riesling Weib'.
259091. No. 257. 'Rolitas'.
259092. No. 462. 'Rosaky'.
259093. No. 914. 'Sabs Angur'.
259094. No. 806. 'Said Guliami'.
259095. No. 259. 'Saint Alban Anjou'.
259096. No. 898. 'Sary Chaback'.
259097. No. 966. 'Sary Kiriak'.
259098. No. 137. 'Sauvignon'.
259099. No. 123. 'Sauvignon Blanc'.
259100. No. 437. 'Schwarz de Mongrie'.
259101. No. 460. 'Schwarz de Smirna'.
259102. No. 824. 'Sirkon Tieffraun'.
259103. No. 383. 'Steinriesling'.
259104. No. 862. 'Tagobi'.
259105. No. 767. 'Tasch Buaky'.
259106. No. 739. 'Taukwer Kachaetinsky'.
259107. No. 54. 'Terret Schwarz'.
259108. No. 53. 'Terret Bourre'.
259109. No. 983. 'Tken Isium'.

258966 to 259123—Continued

259110. No. 430. 'Tokay Klein'.
 259111. No. 441. 'Tokay Schwarz'.
 259112. No. 275. 'Tramme Chambrier'.
 259113. No. 923. 'Trapanlarin Kara'.
 259114. No. 195. 'Tressot-Noir'.
 259115. No. 765. 'Tscheliaki Weib'.
 259116. No. 797. 'Tschetirbak'.
 259117. No. 213. 'Verdot Gris'.
 259118. No. 140. 'Verdot Noir'.
 259119. No. 314. 'Vernatschia'.
 259120. No. 139. 'Verdot Gris'.
 259121. No. 466. 'Zant'.
 259122. No. 315. 'Zibebe Blau'.
 259123. Unlabeled.

259124 to 259127. PRUNUS ARMENIACA L. Amygdalaceae.**Apricot.**

From Tunisia. Seeds presented by the Service Botanique, Ariana, Tunis. Received July 20, 1959.

259124. 'Adedi'.
 259125. 'Arengi'.
 259126. 'Bedri'.
 259127. 'Fakoussi'.

259128. COCHLIOSTEMA JACOBIANUM C. Koch & Linden Commelinaceae.

From Costa Rica. Plants collected by E. P. Imle, collaborator, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Numbered July 20, 1959.

Stemless herbaceous perennial to 2 feet high; leaves in a rosette, spreading, sheathed at the base, to 20 inches long, 3 inches wide; peduncles stout, to 1 ft. long; flowers 1.75 inches across; sepals purple; petals violet-blue; peduncle has only occasional hair.

259129. CHUSQUEA CULEOU E. Desv. Poaceae.

From Chile. Plants presented by the United States Operations Mission, Santiago. Received July 20, 1959.

259130. PLATANUS ORIENTALIS L. Platanaceae.**Oriental planetree.**

From Greece. Cuttings presented by the Ministry of Agriculture, Athens. Received July 20, 1959.

259131 to 259133.

From Japan. Plant material collected by R. E. Perdue, Jr., New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 20, 1959.

259131 to 259133. Kamigamo Experimental Forest, Kyoto University, Kyoto. July 1, 1959.**259131. VITIS AMURENSIS Rupr. Vitaceae.****Amurgrape.**

Col. No. 9601.

259131 to 259133—Continued**259131 to 259133—Continued****259132.** *VITIS COIGNETIAE* Pulliat.

Gloryvine grape.

Col. No. 9600.

259133. *VITIS DAVIDII* (Carr.) Foex.

Brier grape.

Col. No. 9602.

259134. *GOMPHOCARPUS* sp. *Asclepiadaceae*.

From unknown source. Seeds collected by E. P. Imle, Colombian flower exhibit, Pan-American Building, Washington, D.C. in April 1958. Numbered July 21, 1959.

Col. No. 87. Plant multiple stemmed, slender, sparsely branched, to 8 feet high; leaves opposite, lanceolate, half inch wide, three inches long, pubescent on both surfaces, light green, paler beneath; flowers white, five-merous, in corymb on peduncles arising between the opposite leaves or immediately beneath the leaf; seed pod bladderlike, containing many winged seeds.

259135 and 259136.

From Colombia. Seeds presented by the Granja Agrícola Experimental, Palmira, Valle. Received July 21, 1959.

259135. *CARICA CANDAMARCENSIS* Hook. f. *Caricaceae*.

'Papayuelo'.

259136. *CARICA MICROCARPA* Jacq.

'Higuillo'.

259137 to 259139. *ORYZA SATIVA* L. *Poaceae*.

Rice.

From Surinam. Seeds presented by the United States Consulate, Georgetown, British Guiana. Received July 21, 1959.

259137. 'Dima'.**259138.** 'Holland 5023'.**259139.** 'Krakti'.**259140.** *SEVERINIA* sp. *Rutaceae*.

Box-orange.

From Brazil. Seeds collected by Llewelyn Williams, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received March 18, 1958. Numbered July 21, 1959.

Col. No. 16067A. Rio de Janeiro. Plants small, spiny, evergreen; bark green, turning to tan-white on older wood, leaves oval to obovate.

259141 to 259160.

From the Netherlands. Plants collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received July 22, 1959.

From G. Veerman, nursery Boskoop, except where otherwise noted.

259141 and 259142. *CYTISUS* (hybrids) *Fabaceae*. Warminster broom.

259141. Col. No. 6319. 'Hollandia'. Plant bushy, upright; flowers purplish-red with pink shades.

259142. Col. No. 6320. 'Zeelandia'. Flowers lilac-pink with reddish wings.

259143 to 259145. *HIBISCUS SYRIACUS* L. *Malvaceae*. Shrub-althea.

T. Westdijk nursery, Boskoop.

259143. Col. No. 6318. 'Admiral Dewey'. Flowers double, white.

259144. Col. No. 6316. 'Duc de Brabant'. Flowers double, dark red.

259145. Col. No. 6317. 'Monstrosus'. Flowers single, white with maroon center.

259141 to 259160—Continued

259146. *POTENTILLA FRUTICOSA* L. Rosaceae. **Shrubby cinquefoil.**

Col. No. 6309. 'Farreri Grandiflorum'. A large-flowered Farreri.

259147. *POTENTILLA FRUTICOSA* var. *PYRENAICA* Willd. ex Schlecht.

Col. No. 6304. 'Farreri Prostrata'. Plants spreading, low growing; flowers yellow.

259148 and 259149. *POTENTILLA FRUTICOSA* var. *VILMORINIANA* Komar.

259148. Col. No. 6314. 'Jackman'. Erect grower; flowers deep yellow.

259149. Col. No. 6307. 'Klondike'. Flowers deep golden yellow.

259150. *POTENTILLA FRUTICOSA* L.

Shrubby cinquefoil.

Col. No. 6313. 'Maanelys'.

259151. *POTENTILLA FRUTICOSA* var. *VILMORINIANA* Komar.

Col. No. 6314. 'Mount Everest'. Low growing; flowers white.

259152. *POTENTILLA FRUTICOSA* var. *PARVIFOLIA* (Fisch.) ex Schlecht.

Col. No. 6312. 'Primrose Beauty'. Flowers creamy-yellow.

259153. *POTENTILLA FRUTICOSA* var. *PURDOMII* Rehd

Col. No. 6302. 'Purdomii'. J. Spaargaren nursery, Boskoop. Plants erect; foliage silvery; flowers yellow.

259154 and 259155. *POTENTILLA FRUTICOSA* var. *VILMORINIANA* Komar.

259154. Col. No. 6303. 'Snowflake'. J. Spaargaren, nursery, Boskoop.

Plants erect; stems reddish; flowers white.

259155. Col. No. 6308. 'Waltonensis'. Plants spreading; flowers yellow.

259156. *POTENTILLA FRUTICOSA* var. *VEITCHII* (Wils.) Bean

Col. No. 6315. 'Veitchii'. Flowers white.

259157. *POTENTILLA FRUTICOSA* var. *VILMORINIANA* Komar.

Col. No. 6305. 'Vilmoriniana'. Leaves white tomentose beneath; flowers cream colored.

259158. *POTENTILLA FRUTICOSA* var. *RIGIDA* (Wall. ex Lehm.) Wolf.

Col. No. 6311. Dense low-spreading shrub; flowers large, yellow.

259159. *POTENTILLA FRUTICOSA* L.

Shrubby cinquefoil.

Col. No. 6310. 'Farreri'. Dwarf shrub; flowers bright yellow.

259160. *POTENTILLA FRUTICOSA* L.

Shrubby cinquefoil.

Col. No. 6306. 'Grandiflora'. Plants upright; flowers yellow.

259161. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

From Germany. Seeds presented by Norddenteche Pflanzenzucht, Lubeck.

Received July 22, 1959.

'Lembkes Rotklee'.

259162 and 259163. *HIBISCUS CANNABINUS* L. Malvaceae. **Kenaf.**

From the Sudan. Seeds presented by an unknown donor. Received July 22, 1959.

259162. 'Karkade'. Kadugli, Nuba Mountain, Kordofan Province.

259163. 'Karkade'. Wad Medani, Blue Nile Province.

259164 and 259165. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae.

Sweetpotato.

From Guatemala. Roots and vine sections presented by C. L. Lundell, Tikal, Peten. Received July 22, 1959.

259164. No. 16099. Red.

259165. No. 16175. White.

- 259166 to 259169.** *SACCHARUM OFFICINARUM* L. Poaceae. **Sugarcane.**
 From Mexico. Cuttings presented by the Instituto para el Mejoramiento de Azucar, Balderas. Received July 24, 1959.,
259166. 'Mexico 53-122'. **259168.** PM 20.
259167. 'Mexico 53-176'. **259169.** PM 52-48.
- 259170 to 259172.** *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**
 From the British West Indies. Seeds presented by the Department of Agriculture, St. Clair, Port-of-Spain, Trinidad. Received July 24, 1959.
259170. ICS 1 $\times$ IMC 67.
259171. ICS 1 $\times$ SCA 6.
259172. ICS 1 $\times$ SCA 12.
- 259173 to 259176.**
 From the Union of South Africa. Seeds presented by the National Botanic Gardens, Kirstenbosch, Cape Province. Received July 24, 1959.
259173. *HIBISCUS DIVERSIFOLIUS* Jacq. Malvaceae. **Rosemallow.**
259174. *HIBISCUS LUDWIGII* Eckl. & Zeyh.
259175. *HIBISCUS PEDUNCULATUS* L. f.
259176. *HIBISCUS CANNABINUS* L. **Kenaf.**
- 259177 and 259178.**
 From Peru. Seeds collected by W. C. Gregory, North Carolina State College, Raleigh, North Carolina. Received July 27, 1959.
259177. *LUPINUS* sp. Fabaceae.
 Col. No. 454. Central Highway at Matucana, east of Lima. Elevation 10,000 feet.
259178. *LUPINUS* sp.
 Col. No. 455. Casoracra, 9 miles east of La Roya. Elevation 13,000 feet.
- 259179 to 259181.** *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**
 From Australia. Cuttings presented by the Northern Sugar Experiment Station, Gordonvale, Queensland. Received July 27, 1959.
259179. 57 N.G. 59.
259180. 57 N.G. 69.
259181. 57 N.G. 79.
- 259182.** *SACCHARUM* (hybrid). Poaceae. **Sugarcane.**
 From Mexico. Cuttings presented by the Instituto para el Mejoramiento de Azucar, Balderas. Received July 27, 1959.
 'Criolla Morada'.
- 259183.** *SACCHARUM* (hybrid).
 From Puerto Rico. Cuttings presented by E. Boneta-Garcia, Agricultural Experiment Station, Rio Piedras. Received July 31, 1959.
 P. R. 1032.
- 259184 to 259415.**
 From various foreign sources. Clones growing at the United States Plant Introduction Station, Miami, Florida. Numbered July 27, 1959.
259184. *HEVEA BENTHAMIANA* Muell. Euphorbiaceae.
 F 4506. United States Rubber Plant Field Station, Turrialba, Costa Rica.

259184 to 259415—Continued

- 259185 to 259286. *HEVEA BRASILIENSIS* (A. Juss.) Muell. **Para rubber tree.**
259185. C 256. Guatemala Rubber Station, Entre Rios, Guatemala; from Liberia.
259186. C 318. Guatemala Rubber Station, Entre Rios, Guatemala; from Liberia.
259187. F 351 (GF 111). From Brazil.
259188. F 406. C. H. T. Townsend, Jr., Belterra, Para, Brazil.
259189. F 409. (GF 47). Washington, D.C. From Brazil.
259190. F 1619. From Brazil.
259191. F 1620. (GF 45). United States Rubber Field Station, Turrialba, Costa Rica; from Brazil.
259192. F 1638. From Brazil. Selection at Fordlandia.
259193. FB 3300. C. H. T. Townsend, Jr., Belterra, Para, Brazil. Selection from Belterra seedlings.
259194. FX 25. (GF 141). From Brazil. A high yielding and *Dothidella ulei* resistant cross.
259195. FX 87. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil. A high yielding and *Dothidella ulei* resistant cross.
259196. FX 232. C. H. T. Townsend, Jr., Belterra, Para, Brazil. Intraspecific cross.
259197. FX 273. From Brazil. Intraspecific cross.
259198. FX 714. C. H. T. Townsend, Jr., Belterra, Para, Brazil. A high yielding and *Dothidella ulei* resistant cross.
259199. FX 1042. United States Plant Field Station, Turrialba, Costa Rica; from Brazil.
259200. FX 3009. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.
259201. FX 3028. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.
259202. FX 3022. C. H. T. Townsend, Jr., Belterra, Para, Brazil. Intraspecific cross.
259203. FX 3635. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil. Intraspecific cross.
259204. FX 3649. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.
259205. FX 3864. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.
259206. FX 4098. United States Rubber Plant Field Station, Turrialba, Costa Rica and Estacion Experimental, Cuyotenango Such. Guatemala; from Brazil. Intraspecific cross.
259207. GA 163 (Avros 163). Rubber Station, Marfranc, Jeremie, Haiti; from Sumatra.
259208. GA 255 (Avros 255). Far East; from Sumatra.
259209. GA 272 (Avros 272). Rubber Station, Marfranc, Jeremie, Haiti; from Sumatra.
259210. GA 273 (Avros 273). Aycock, Honduras; from Sumatra.
259211. GA 308 (Avros 308) F 2103. Rubber Station, Marfranc, Jeremie, Haiti; from Sumatra.
259212. GA 337 (Avros 337). Aycock, Honduras; from Sumatra.

259184 to 259415—Continued

259185 to 259286—Continued

259213. GA 352 (Avros 352) F 2112. Washington, D.C.; from Sumatra.
259214. GA 1126 (Avros 1126). From Sumatra.
259215. GA 1279 (Avros 1279). From Sumatra.
259216. GA 1518 (Avros 1518). Rubber Station, Marfranc, Jeremie, Haiti; from Sumatra.
259217. GA 1581 (Avros 1581). From Sumatra.
259218. GP 4. Rubber Station, Marfranc, Jeremie, Haiti.
259219. GU 110. Rubber Station, Cuyotenango, Such., Guatemala.
259220. GT 711. Far East.
259221. GT 127. Far East.
259222. GV 17. Washington, D.C.; from the Far East. High yielding clone in the East.
259223. GV 21. Rubber Station, Marfranc, Jeremie, Haiti; from the Far East.
259224. GV 23. United States Rubber Field Station, Turrialba, Costa Rica; from the Far East. Good yielding clone in the East. Bark renewal is stated to be excellent.
259225. GV 30. United States Rubber Field Station, Turrialba, Costa Rica; from the Far East.
259226. GV 31. Rubber Station, Marfranc, Jeremie, Haiti; from the Far East. One of the highest yielding clones but has no resistance to *Dothidella ulei*. Much used as a parent.
259227. GV 37. E. T. Stanwood, Honduras; from the Far East. One of the highest yielding clones but has no resistance to *Dothidella ulei*. Much used as a parent.
259228. GV 55. (LCB 510) PR 107. Aycoc, Honduras; from Java.
259229. GV 61. United States Rubber Field Station, Turrialba, Costa Rica; from the Far East.
259230. 'Harbel 1.' Firestone Plantations, Liberia.
259231. 'Harbel 2.' Firestone Plantations, Liberia.
259232. IAN 443. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.
259233. IAN 486. Brazil.
- 259234 to 259238. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.
259234. IAN 710.
259235. IAN 713.
259236. IAN 873 (GF 138).
259237. IAN 3384.
259238. IAN 3394.
- 259239 to 259259. Instituto Agronomico do Norte, Belem, Para, Brazil.
259239. IAN 6163.
259240. IAN 6165.
259241. IAN 6166.
259242. IAN 6167.
259243. IAN 6497.
259244. IAN 6499.
259245. IAN 6500.
259246. IAN 6505.
259247. IAN 6584.
259248. IAN 6585.

259184 to 259415—Continued

259185 to 259286—Continued

259239 to 259259—Continued

259249. IAN 6586.	259255. IAN 6754.
259250. IAN 6587.	259256. IAN 6755.
259251. IAN 6640.	259257. IAN 6756.
259252. IAN 6641.	259258. IAN 6757.
259253. IAN 6645.	259259. IAN 6834.
259254. IAN 6753.	

259260 to 259266. From Peru.

259260. P 15.	259264. P 173.
259261. P 118.	259265. P 177.
259262. P 121.	259266. P 178.
259263. P 122.	

259267. RRI 511. Mr. Craig, Belem, Para, Brazil; from Malaya.
 259268. RRI 526. Mr. Craig, Belem, Para, Brazil; from Malaya.
 259269. RRI 527. Estacion Experimental, Cuyotenango, Such., Guatemala.
 From Malaya.
 259270. RRI 600. Rubber Research Institute of Malaya, Kuala Lumpur,
 Malaya.
 259271. RRI 620. Estacion Experimental, Cuyotenango, Guatemala;
 from Malaya.
 259272. RRI 628. Estacion Experimental, Cuyotenango, Such., Guate-
 mala; from Malaya.
 259723 to 259286. Rubber Research Institute of Ceylon, Dartonfield,
 Agalawatta, Ceylon.
- | | |
|------------------|------------------|
| 259273. RRIC 9. | 259280. RRIC 37. |
| 259274. RRIC 13. | 259281. RRIC 40. |
| 259275. RRIC 24. | 259282. RRIC 45. |
| 259276. RRIC 28. | 259283. RRIC 46. |
| 259277. RRIC 31. | 259284. RRIC 50. |
| 259278. RRIC 33. | 259285. RRIC 60. |
| 259279. RRIC 36. | 259286. RRIC 74. |

259287. *HEVEA BRASILIENSIS* (A. Juss.) Muell.

C-293. Firestone Plantations Company, Harbel, Liberia.

259288. *HEVEA BRASILIENSIS* (A. Juss.) Muell.

C-334. Firestone Plantations Company, Harbel, Liberia.

259289. *HEVEA* sp.

GV-10 (Lamp 1). United States Rubber Plant Field Station, Turrialba,
 Costa Rica; from the Far East. Oriental clone with good yield but no re-
 sistance to *Dothidella*.

259290 to 259308. *HEVEA* (hybrid).(H. *benthiana* × H. *brasiliensis*)

259184 to 259415—Continued

259290 to 259308—Continued

259290 to 259298. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil. A high yielding and *Dothidella ulei* resistant cross.

259290. FX 4457.

259295. FX 516.

259291. FX 212 (GF 126).

259296. FX 614 (GF 132).

259292. FX 349.

259297. FX 652 (GF 133).

259293. FX 360.

259298. FX 2784.

259294. FX 505.

259299. FX 2831. C. H. T. Townsend, Jr., Belterra, Para, Brazil. A high yielding and *Dothidella ulei* resistant cross.

259300. FX 3525. C. H. T. Townsend, Jr., Belterra, Para, Brazil. A high yielding and *Dothidella ulei* resistant cross.

259301. FX 3703. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil. A high yielding and *Dothidella ulei* resistant cross.

259302. FX 3810. Estacion Experimental, Cuyotenango, Guatemala; from Brazil. A high yielding and *Dothidella ulei* resistant cross.

259303. FX 3846. United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil. A high yielding and *Dothidella ulei* resistant cross.

259304. FX 3925. Estacion Experimental, Cuyotenango, Such., Guatemala; Ex Brazil. A high yielding and *Dothidella ulei* resistant cross.

259305. FX 4037. C. H. T. Townsend, Jr., Belterra, Para, Brazil. A high yielding and *Dothidella ulei* resistant cross.

259306. FX 4065. United States Rubber Plant Field Station, Turrialba, Costa Rica; Ex Brazil. A high yield and *Dothidella ulei* resistant cross.

259307. FX 4421. C. H. T. Townsend, Jr., Belterra, Para, Brazil. A high yielding and *Dothidella ulei* resistant cross.

259308. FX 4425. From Brazil. A high yielding and *Dothidella ulei* resistant cross.

259309 and 259310. HEVEA (hybrids).

(*H. brasiliensis* × *H. benthamiana*).

259309. IAN 500. Brazil.

259310. IAN 717 (GF 152). United States Rubber Plant Field Station Turrialba, Costa Rica; from Brazil.

259311 to 259315. HEVEA (hybrids).

(*H. brasiliensis* × *H. benthamiana* × *H. brasiliensis*).

United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.

259311. IAN 2220.

259312. IAN 2322.

259313. IAN 2328.

259314. IAN 2361. A backcross of *Dothidella ulei* resistant hybrid to a high yielder.

259315. IAN 2363. A backcross of *Dothidella ulei* resistant hybrid to a high yielder.

259184 to 259415—Continued

259316 to 259394. HEVEA (hybrid).

(H. benthamiana $\times$ *H. brasiliensis* $\times$ *H. brasiliensis*).

United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil, except where otherwise noted.

259316. IAN 2489.	259321. IAN 2580. From Brazil.
259317. IAN 2490.	259322. IAN 2648.
259318. IAN 2531.	259323. IAN 2650.
259319. IAN 2532.	259324. IAN 2661.
259320. IAN 2569.	
259325. IAN 2662. A backcross of <i>Dothidella ulei</i> resistant hybrid to a high yielder.	
259326. IAN 2666.	259349. IAN 2856.
259327. IAN 2668.	259350. IAN 2858.
259328. IAN 2740.	259351. IAN 2860.
259329. IAN 2743.	259352. IAN 2863.
259330. IAN 2820.	259353. IAN 2865.
259331. IAN 2821.	259354. IAN 2866.
259332. IAN 2823.	259355. IAN 2868.
259333. IAN 2824.	259356. IAN 2869.
259334. IAN 2825.	259357. IAN 2874.
259335. IAN 2826.	259358. IAN 2880.
259336. IAN 2827.	259359. IAN 2881.
259337. IAN 2828.	259360. IAN 2882.
259338. IAN 2829.	259361. IAN 2883.
259339. IAN 2835.	259362. IAN 2886.
259340. IAN 2838.	259363. IAN 2889.
259341. IAN 2839.	259364. IAN 2895.
259342. IAN 2841.	259365. IAN 2897.
259343. IAN 2844.	259366. IAN 2900.
259344. IAN 2846.	259367. IAN 2901.
259345. IAN 2847.	259368. IAN 2902.
259346. IAN 2849.	259369. IAN 2906.
259347. IAN 2851.	259370. IAN 2908.
259348. IAN 2855.	
259371 to 259374. A backcross of <i>Dothidella ulei</i> resistant hybrid to a high yielder.	
259371. IAN 2916.	259373. IAN 2918.
259372. IAN 2917.	259374. IAN 2919.
259375. IAN 2920.	259379. IAN 2929.
259376. IAN 2922.	259380. IAN 2930.
259377. IAN 2924.	259381. IAN 2931.
259378. IAN 2925.	259382. IAN 2934.
259383. IAN 2937. A backcross of <i>Dothidella ulei</i> resistant hybrid to a higher yielder.	

259184 to 259415—Continued**259316 to 259394—Continued**

259384. IAN 2949.

259385 to 259394. A backcross of *Dothidella ulei* resistant hybrid to a high yielder.

259385. IAN 2955.

259390. IAN 2965.

259386. IAN 2956.

259391. IAN 2969.

259387. IAN 2958.

259392. IAN 2970.

259388. IAN 2960.

259393. IAN 2972.

259389. IAN 2961.

259394. IAN 3411.

259395. Hevea (hybrid).

IAN 3470. Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.

259396 to 259415. HEVEA (hybrid).

From United States Rubber Plant Field Station, Turrialba, Costa Rica; from Brazil.

259396. IAN 3528.

259397. IAN 3529.

259398 and 259399. A backcross of *Dothidella ulei* resistant hybrid to a high yielder.

259398. IAN 3711.

259399. IAN 3714.

259400. IAN 3717.

259408. IAN 3807.

259401. IAN 3721.

259409. IAN 3811.

259402. IAN 3740.

259410. IAN 3813.

259403. IAN 3742.

259411. IAN 3815.

259404. IAN 3780.

259412. IAN 3822.

259405. IAN 3785.

259413. IAN 3828.

259406. IAN 3795.

259414. IAN 3843.

259407. IAN 3805.

259415. IAN 3885.

259416. PIPER NIGRUM L. Piperaceae.

Black pepper.

From Puerto Rico. Cuttings presented by the Federal Experiment Station, Mayaguez. Received August 12, 1959.

'Kalluvalli A-5'. A fruiting branch cutting.

259417. OTTOCHLOA NODOSA (Kunth.) Dandy Poaceae

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received August 13, 1959.

Mat-forming perennial; rooting at the lower nodes: culms to 3 feet high, leafy.

This species extends the grazing period of pastureland.

259418 to 259430.

From Argentina. Seeds presented by the Secretaria de Estado de Agricultura y Ganaderia de la Nacion, Buenos Aires. Received July 30, 1959.

259418. HIBISCUS CANNABINUS L. Malvaceae.

Kenaf.

259419. HIBISCUS CISPLATINUS St. Hil.

259420. HIBISCUS COCCINEUS Walt.

Scarlet rosemallow.

From Peking, China.

259418 to 259430—Continued

259421. *HIBISCUS DIVERSIFOLIUS* Jacq. Rosemallow.
From Lisbon, Portugal.
259422. *HIBISCUS ESCULENTUS* L. Okra.
259423. *HIBISCUS GOSSYPINUS* Thunb.
From Rumania.
259424. *HIBISCUS MARMORATUS* Lem.
From Mexico.
259425. *HIBISCUS MOSCHEUTOS* L. Common rosemallow.
From Antibes, France.
259426. *HIBISCUS MUTABILIS* L. Cotton rosemallow.
From Ariana, Tunisia.
259427. *HIBISCUS PARAMUTABILIS* L. H. Bailey.
From Peking, China.
259428. *HIBISCUS SOLANDRA* L'Her.
From Cluj, Rumania.
259429. *HIBISCUS SYRIACUS* L. Shrub-althea.
From Sofia, Bulgaria.
259430. *HIBISCUS TRIONUM* L. Flower-of-an-hour.
From Cluj, Rumania.

259431 to 259438.

From Australia. Plants presented by the Botanical Gardens, Adelaide. Received July 29, 1959.

259431. *ARCTOTIS ACAULIS* L. Asteraceae.
Flowers red.
259432. *ANTHOCERCIS VISCOSA* R. Br. Solanaceae.
259433. *BYSTROPOGON ORIGANIFOLIUS* L'Her. Menthaceae.
259434. *CALLISTEMON*. Myrtaceae.
'Harkness Hybrid'. (Sterile form).
259435. *COPROSMA* sp. Rubiaceae.
'Variegata'.
259436. *CORREA MINOR* (E. Ashley) J. M. Black Rutaceae.
259437. *EREMOPHILA ALTERNIFOLIA* R. Br. Myoporaceae.
259438. *EREMOPHILA POLYCLADA* (F. Muell.) F. Muell.

259439 to 259445.

From Japan. Seeds presented by the Episcopal Church, Nikko Tochigi Prefecture. Received July 31, 1959.

259439. *PRUNUS APETALA* (Sieb. & Zuc.) Franch. & Savat. Amygdalaceae.
259440. *PRUNUS INCISA* var. *YAMADEI* Mankino. Mame cherry.
259441. *PRUNUS SARGENTII* Redhr. Sargeant cherry.
259442. *PRUNUS SERRULATA* var. *SPONTANEA* (Maxim.) Wilson
Wild ornamental cherry.
259443. *PRUNUS SUBHIRTILLA* Miquel. Higan cherry.
259444. *PRUNUS SYODOI* Nakai.
259445. *PRUNUS VELUTIPES* Nakai.

259446 to 259458.

From Poland. Budsticks presented by the Research Institute of Pomology, Skierniewice. Received July 31, 1959.

259446 to 259456. *MALUS SYLVESTRIS* Mill. Malaceae. **Common apple.**

259446. 'Arkad Zimnyi'.

259447. 'Bellefleur Rekord'.

259448. 'Doch Diany' ('Dica Diana').

259449. 'Kanorkowa'.

259450. 'Kulon Kitaika' ('Kitajka').

259451. 'Michurin's Bessiemiańska' ('Bezziemiańska Miczurina').

259452. 'Pepin Shafrannyi' ('Pepina Szafran').

259453. 'Piervomaiskoie' ('Pierwomajskaja').

259454. 'Renet Beegamotnyi' ('Renet Bergametowa').

259455. 'Slovianka'.

259456. 'Zimnieje Piervoskhodnoie'.

259457 and 259458. *PRUNUS PERSICA* (L.) Batsch. Amygdalaceae. **Peach.**

259457. 'Bai Tao'. Fruit small; flesh white. From Peking, China.

259458. 'Tzim Pec Tao'. Fruit small; skin green. From Peking, China.

259459 and 259460. *LESPEDEZA CUNEATA* (Dumont) G. Don Fabaceae. **Chinese lespedeza.**

From Japan. Seeds presented by the Grassland Research Division, Agriculture Experiment Station, Kwanto-Tosan, Honshu. Received July 31, 1959.

259459. 'Nakei-1'; 'Nasu Strain 1'.

259460. 'Nakei-4'; 'Nasu Strain 4'.

259461 to 259463.

From the Netherlands. Plant material collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Aug. 3, 1959.

Collected at Zuider Park, The Hague.

259461. *CORNUS PAUCINERVIS* Hance. Cornaceae.

Common littleleaf dogwood.

Col. No. 6407. Bush to five feet high; branches ascending; flowers white.

259462. *CELTIS LABILIS* C. Schneid. Ulmaceae.

Col. No. 6414. Deciduous tree; native of China. (Seed).

259463. *ROSA ECAE* Aitch. Rosaceae.

Eca rose.

Col. No. 6435. Erect shrub to six feet high; leaflets small, reddish; flowers deep yellow. (Seed).

259464. *PERSEA AMERICANA* Mill. Lauraceae.

Avocado.

From Spain. Cuttings presented by the Instituto Nacional de Investigaciones Agronomicas, Puerto de la Cruz, Tenerife, Canary Islands. Received August 3, 1959.

'Tenerife'.

259465. *EUPHORIA* sp. Sapindaceae.

From Puerto Rico. Seeds presented by the Federal Experiment Station, Mayaguez. Received August 3, 1959.

259466. Sasa kurelensis (Rupr.) Makino & Shibata. Poaceae. Bamboo.

From Japan. Plants collected by R. E. Perdue, Jr., New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 3, 1959.

Col. No. 9608. One mile east of Shikotsu Lake near road to Chitose. Plants to 6 feet high.

259467 and 259468.

From Spain. Tubers collected by Elmo W. Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 3, 1959.

Estacion de Mejora de la Patata, Vitoria.

259467. Solanum pinnatisectum Dun. Solanaceae.

No. D-30. $2N = 48$ (Artificial tetraploid.)

259468. Solanum (hybrid).

(*S. jamesii* $\times$ *S. pinnatisectum*).

No. D-31. $2N = 48$ (Artificial amphidiploid.)

259469. Saccharum (hybrid). Poaceae. Sugarcane.

From Mexico. Cuttings presented by the Institute for the Improvement and Propagation of Sugarcane, Mexico, D.F. Received August 3, 1959.

No. 52-29.

259470 and 259471.

From the Netherlands. Plant material collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 5, 1959.

259470. Rosa sericea Lindl. Rosaceae.

Rose.

Col. No. 6434. Zuider Park, The Hague. Shrub to 5 feet high; flowers white; hips red. (Seeds).

259471. Salix purpurea var. *amplexicaulis* (Bory & Chaub.) Boiss. Salicaceae.

Willow.

Col. No. 6450. 'Amplexicaulis'. L. J. J. Van Dijk nursery. Deciduous tree; leaves glaucous beneath, stems red to purplish. A source of salicylic acid. (Plants).

259472. Lilium candidum L. Liliaceae. **Madonna lily.**

From Great Britain. Bulbs presented by E. B. Anderson, Cortosi, England. Received August 5, 1959.

'Purpureum Striatum'.

259473 to 259476.

From the Netherlands. Cuttings collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 5, 1959.

259473. Crassula $\times$ *andegavensis* Boom. Crassulaceae.

(*C. falcata* $\times$ *C. schmidtii*)

Col. No. 6451. Firm of K. Edelman, Reeuwijk. July 31, 1959. Succulent perennial to 12 feet high, tufted; flowers dark red, very showy.

259474 to 259476. Hibiscus syriacus L. Malvaceae. **Shrub-althea.**

259474. Col. No. 6466. 'Duc de Brabant'. Old Farm Nurseries, Boskoop. Flowers double, lavender-pink.

259475. Col. No. 6474. 'Souvenir de Charles Breton'. Old Farm Nurseries, Boskoop. Flowers double, magenta, red spot at base.

259476. Col. No. 6475. 'Luteus Plenus'. Old Farm Nurseries, Boskoop.

259477. SACCHARUM SPONTANEUM L. Poaceae.

From Turkey. Cuttings collected by Quentin Jones, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 5, 1959.

259478 and 259479.

From Malaya. Seeds presented by R. A. Hamilton. Received August 6, 1959.

259478. CITRUS sp. Rutaceae.

'Limau Jembol'.

259479. CITRUS sp.

'Limau Hatan'.

259480 to 259490. IPOMOEA BATATAS (L.) Lam. Convolvulaceae.

Sweetpotato.

From Ethiopia. Tubers presented by the Oklahoma State College Contract Group, Addis Ababa. Received Aug. 7, 1959.

259480. 1-A.

259486. 3-C.

259481. 1-B.

259487. 3-D.

259482. 1-C.

259488. 3-E.

259483. 2-A.

259489. 2-H.

259484. 3-A.

259490. No number.

259485. 3-B.

259491 to 259494. ONOBRYCHIS VICIFOLIA Scop. Fabaceae.

Sainfoin.

From Great Britain. Seeds presented by the National Institute of Agricultural Botany, Cambridge, England. Received August 10, 1959.

259491. 'Giant'.

259493. 'Rees "A"'.

259492. 'Hampshire Common'.

259494. 'Turkish Anatolian'.

259495 and 259496. LINUM USITATISSIMUM L. Linaceae.

Common flax.

From Czechoslovakia. Seeds presented by the Czechoslovakian Academy of Agricultural Sciences, Research Institute for Fiber Plants, Sumperk-Temeň. Received August 10, 1959.

259495. R 1/1.

259496. R 1/2.

259497 to 259535.

From Bulgaria. Seeds presented by the Bulgarian Academy of Sciences, Institute of Plant Growing, Sofia. Received August 10, 1959.

259497 to 259511. LINUM USITATISSIMUM L. Linaceae.

Common flax.

259497. 'Mejdinen Plowdiv 25'. From Bulgaria.

259498 to 259503. From Hungary.

259498. 'Betta 88 Kethasum'.

259501. 'Crepitans Tabor'.

259499. 'Betta 91 Kethasum'.

259502. 'Hosszuhati'.

259500. 'Buda'.

259503. 'Ungarski Sekatsch'.

259504 to 259511. From the Union of Soviet Socialist Republics.

259504. 'Krupnosemennii'.

259508. 'Stavropolski'.

259505. 'Luisizia'.

259509. 'Stepnoi'.

259506. 'Predilschtschik'.

259510. 'Swetotsch'.

259507. 'Seirek'.

259511. 'Zarski'.

259497 to 259535—Continued

- 259512 to 259514.** *LOTUS CORNICULATUS* L. Fabaceae. **Birdsfoot trefoil.**
Originally from Czechoslovakia.
- 259512.** 'Malejovsky'.
259513. 'Taborsky'.
259514. 'Trebichky'.
- 259515 and 259516.** *LUPINUS ALBUS* L. Fabaceae. **White lupine.**
From Poland.
- 259515.** N 761; 'Polen'.
259516. 'Presebedowski Wezesni'.
- 259517 to 259519.** *LUPINUS ANGUSTIFOLIUS* L. **Blue lupine.**
From Germany.
- 259517.** 'Kamekes Fruhe Blaulupine'; 'Weihenstephan'.
259518. 'Pflugs Blaulupine'.
259519. 'Rothbluhende von Merkel'; 'Weihenstephan'.
- 259520 to 259535.** *MEDICAGO SATIVA* L. Fabaceae. **Alfalfa.**
- 259520 to 259524.** From Bulgaria.
- | | |
|----------------------------------|---------------------------|
| 259520. 'Boiniza'. | 259523. 'Plowdiv'. |
| 259521. 'Gramada'. | 259524. 'Sofia'. |
| 259522. 'Plowdiv N. 377'. | |
- 259525 to 259530.** From Union of Soviet Socialist Republics.
- | | |
|--------------------------------|--------------------------------|
| 259525. 'Mandjurskaja'. | 259528. 'Prerowska'. |
| 259526. 'Mantschewska'. | 259529. 'Samkewitscha'. |
| 259527. 'Poltawska'. | 259530. 'Slawianskaja'. |
- 259531 to 259533.** From Hungary.
- 259531.** 'Bankuti Tajfaita'.
259532. 'Nagyszenasi'.
259533. 'Szarwasi'.
- 259534 and 259535.** From Czechoslovakia.
- 259534.** 'Hodoninska'.
259535. 'Stupicka'.
- 259536.** *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**
From Ghana. Seeds presented by the West African Cacao Research Institute, Tafo. Received August 10, 1959.
'Amelonado'.
- 259537 to 259546.**
- From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas, Sao Paulo. Received August 10, 1959.
- 259537 to 259543.** *GYLCINE MAX* (L.) Merr. Fabaceae. **Soybean.**
- 259537.** 530; 'Edna'. Sao Paulo.
259538. 581; 'Kedelee No. 16'. Java.
259539. 582; 'Kedelee No. 29'. Java.
259540. 713; 'Pero Yellow 380'. Nigeria.
259541. 880; 'Preta'. Parana, Brazil.

259537 to 259546—Continued**259537 to 259543—Continued**

259542. 871; Preta da Estacao, Angola.

259543. 676; No. 29. Java.

259544 to 259546. GLYCINE JAVANICA L.

259544. 863. Union of South Africa.

259545. 804. United States of America.

259546. 791. Rio Janeiro, Brazil.

259547 and 259548. CHRYSANTHEMUM (hybrids). Asteraceae.

From China. Plants collected by R. E. Baker, Taipei, Taiwan. Received January 17, 1957. Numbered August 11, 1959.

259547. 'Taiwan 13'; 'Roc's Cry'. Flowers yellow spider; petals fine quills.

259548. 'Taiwan 26'; 'Pine with Hanging Vines'. Flowers white with purple cast; petals quills.

259549 to 259551. PANICUM MAXIMUM var. TRICHOGLUME Eyles.

Poaceae.

Green panicgrass.

From Australia. Seeds presented by the Texas Agricultural and Mechanical College System, College Station, Texas. Received August 11, 1959.

259549. Commercial.

259550. Q2933.

259551. Q2966.

259552 to 259557.

From Kenya. Seeds presented by the Grassland Research Station, Kitale. Received August 11, 1959.

259552. PANICUM COLORATUM L. Poaceae.

K52233.

259553 to 259556. PANICUM MAXIMUM Jacq.**Guineagrass.**

259553. K52128. 'Likoni'.

259555. K51343. 'Malaba'.

259554. K52125. 'Lilongwe'.

259556. K51270. 'Sigor'.

259557. PANICUM MAXIMUM var. TRICHOGLUME Eyles**Green panicgrass.****259558. PANICUM MAXIMUM Jacq. Poaceae.****Guineagrass.**

From the Union of South Africa. Seeds presented by the Department of Agriculture, Division of Crops and Pastures, Pretoria. Received August 11, 1959. K50201.

U/53/30. Formerly from Rhodesia.

259559 to 259571.

From Uganda. Seeds presented by the Department of Agriculture, Serene, Eastern Province. Received August 11, 1959.

259559 to 259569. PANICUM MAXIMUM Jacq. Poaceae.**Guineagrass.**

259559. SR 5426. Kitale, Kenya.

259560. SR 5741. Kitale, Kenya.

259561. SR 5743. Nyasaland.

259562. SR 5755. Bambatsi, Southern Rhodesia.

259563. SR 5829. Kitale, Kenya.

259564. SR 5833. Rangive River, Kitale, Kenya.

259565. SR 5836.

259559 to 259571—Continued**259559 to 259569—Continued**

259566. SR 5838.

259567. SR 5839.

259568. SR 5841.

259569. SR 5847.

259570 and 259571. *PANICUM MAXIMUM* var. *TRICHOGLUME* Eyles
Green panicgrass.

259570. SR 5742. Kitale, Kenya.

259571. SR 5831. Australia.

259572 to 259578. *ARACHIS HYPOGAEA* L. Fabaceae. **Peanut.**

From Venezuela. Seeds presented by the Centro Investigaciones Agronomicas, Maracay. Received August 13, 1959.

259572. 56.1. 'Americano Chico'. La Estanzuela, Uruguay.

259573. 56.2. *A. nambiquarae* × 'Java 10'. Potchefstroom, Union of South Africa.

259574. 56.3. 'Virginia Bunch'. Potchefstroom, Union of South Africa.

259575. 56.4. 'Negrito'. Cascupe, Paraguay.

259576. 56.5. 'Megro Grande'. Cascupe, Paraguay.

259577 to 259586. Hope, Jamaica.

259577. 56.6 'Virginia Runner No. 11.'.

259578. 56.7 'Spanish No. 12.'.

259579. 56.8. 'Dixie Runner No. 21.'.

259580. 56.9. 'Valencia No. 8'.

259581. 56.10. No. 16.

259582. 56.11. No. 19.

259583. 56.12. No. 9.

259584. 56.13. No. 18.

259585. 56.14. No. 2.

259586. 56.15. No. 15.

259587 to 259597. La Estanzuela, Uruguay.

259587. 56.16. 'Colorado Federacion'.

259588. 56.17. 'Small Spanish No. 36'.

259589. 56.18. 'Spanish 0.344 No. 29'.

259590. 56.19. 'Spanish 503 No. 35'.

259591. 56.20. 'Blanco de Tacuarembó'.

259592. 56.21. No. 28-204.

259593. 56.22. 'Colorado de Tacuarembó'.

259594. 56.23. 'Baki-Foire No. 31'.

259595. 56.24. 'Imperial Spanish'.

259596. 56.25. V. 1940 E.

259597. 56.26. 'Aceitero Federacion'.

259598. 56.27. 'Colorado de Tacuarembó Selection'. Maracay, Venezuela.

259599. 56.28. 'Turkestan A'. La Estanzuela Uruguay.

259572 to 259758—Continued

- 259600 to 259603.** Sydney, Australia.
259600. 56.29. 'Large White Spanish'.
259601. 56.30. 'Valencia'.
259602. 56.31. 'Tennessee White'.
259603. 56.32. 'Tanah'.
259604. 56.33. 'Tatu'. Campinas, Brazil.
259605. 56.34. 'Tatu Sel'. Maracay, Venezuela.
259606 to 259609. Campinas, Brazil.
259606. 56.35. No. 45.
259607. 56.36. 'Porto Alegre'.
259608. 56.38. 'Roxo No. 54'.
259609. 56.39. 'Florido'.
259610. 56.40. 'Cateto'. Barretos, Brazil.
259611 to 259615. Kawanda, Uganda.
259611. 56.42. B 239.
259612. 56.43. 'Atuboi'.
259613. 56.44. 'Bukalasa Bukalasa Bunch'.
259614. 56.45. B 227.
259615. 56.46. S 185.
259616. 56.47. 'Babile'. Lawra, Costa de Oro.
259617 to 259625. Santiago de Las Vegas, Cuba.
259617. 56.48. No. 15233. **259622.** 56.53. No. 15637.
259618. 56.49. No. 15421. **259623.** 56.54. No. 15637. Sel.
259619. 56.50. No. 15608. **259624.** 56.55. 'Georgia 207-3'.
259620. 56.51. No. 15614. **259625.** 56.56. No. 15420.
259621. 56.52. No. 15621.
259626. 56.58. 'Improved Valencia'. Casma, Peru.
259627. 56.59. 'Base 1 Suisse'. La Estanzuela, Uruguay.
259628. 56.60.
259629 to 259632. La Plata, Argentina.
259629. 56.61. **259631.** 56.63.
259630. 56.62. **259632.** 56.64.
259633. 56.65. Gonzalito, Venezuela.
259634. 56.66. Caracas, Venezuela.
259635 to 259688. Santiago de Las Vegas, Cuba.
259635. 56.68. 'Chileno'. **259643.** 56.76. No. 15231.
259636. 56.69. E L 2. **259644.** 56.77. No. 15232.
259637. 56.70. E L 3. **259645.** 56.78. No. 15234.
259638. 56.71. No. 12989. **259646.** 56.79. No. 15235.
259639. 56.72. No. 15226. **259647.** 56.80. No. 15237.
259640. 56.73. No. 15228. **259648.** 56.81. No. 15238.
259641. 56.74. No. 15229. **259649.** 56.82. No. 15239.
259642. 56.75. No. 15230. **259650.** 56.83. No. 15416.

259572 to 259758—Continued

259635 to 259688—Continued

259651.	56.84.	No. 15417.	259670.	56.103.	No. 15622.
259652.	56.85.	No. 15419.	259671.	56.104.	No. 15623.
259653.	56.86.	No. 15422.	259672.	56.105.	No. 15625.
259654.	56.87.	No. 15426.	259673.	56.106.	No. 15626.
259655.	56.88.	No. 15488.	259674.	56.107.	No. 15627.
259656.	56.89.	No. 15502.	259675.	56.108.	No. 15628.
259657.	56.90.	No. 15598.	259676.	56.109.	No. 15629.
259658.	56.91.	No. 15599.	259677.	56.110.	No. 15630.
259659.	56.92.	No. 15600.	259678.	56.111.	No. 15631.
259660.	56.93.	No. 15602.	259679.	56.112.	No. 15632.
259661.	56.94.	No. 15604.	259680.	56.113.	No. 15633.
259662.	56.95.	No. 15607.	259681.	56.114.	No. 15634.
259663.	56.96.	No. 15609.	259682.	56.115.	No. 15636.
259664.	56.97.	No. 15610.	259683.	56.116.	No. 15638.
259665.	56.98.	No. 15612.	259684.	56.117.	No. 15639.
259666.	56.99.	No. 15615.	259685.	56.118.	No. 15707.
259667.	56.100.	No. 15616.	259686.	56.119.	No. 15708.
259668.	56.101.	No. 15617.	259687.	56.120.	No. 15711.
259669.	56.102.	No. 15620.	259688.	56.121.	No. 15712.

259689. 56.129. Turmero, Venezuela.

259690. 56.131. Nauanagua, Venezuela.

259691. 56.132. 58-1142. Giauabita, Venezuela.

259692. 56.133. 'Americano Chico Sel'. Maracay, Venezuela.

259693. 56.134. 'Spanish Spanish'. La Estanzuela, Uruguay.

259694. 56.135. 'Mani Aceitero'. La Estanzuela, Uruguay.

259695. 56.136. 'Turkestan 1932'. La Estanzuela, Uruguay.

259696. 56.137. (58-1147). San Felipe, Venezuela.

259697. 56.138. La Fria, Venezuela.

259698. 56.140. Guayabita, Venezuela.

259699. 56.141. Parao. Cumana, Venezuela.

259700 to 259703. La Plata, Argentina.

259700. 56.142. 'Tipo 3'.

259702. 56.144. 'Tipo 4'.

259701. 56.143. 'Tipo 10'.

259703. 56.145. 'Tipo 7'.

259704. 56.148. Spanish Variety. From Venezuela from Germain Seed & Plant Co., Los Angeles, California.

259705. 56.149. 'Tipo 1 Mexico'. Sonora, Mexico.

259706 to 259716. Campinas, Brazil.

259706. 56.150. CS3-No. 33.

259712. 56.156. 'Tai-tau No. 60'.

259707. 56.151. No. 101.

259713. 56.157. 'Comun No. 50'.

259708. 56.152. 'Roxo No. 40'.

259714. 56.158. 'Morado No. 61'.

259709. 56.153. 'Cuba No. 47'.

259715. 56.159. No. 2.

259710. 56.154. 'Cateto No. 49'.

259716. 56.160. 'Amarelho No. 51'.

259711. 56.155. 'Kiechusa No. 70'.

259572 to 259758—Continued

- 259717.** 56.162. No. 15624. Santiago de Las Vegas, Cuba.
259718. 56.164. 'Improved Spanish 2 B'. Casina, Peru.
259719. 56.165. 'Corriente'.
259720 to 259727. Santiago de Las Vegas, Cuba.
259720. 56.166. No. 15427. **259724.** 56.171. No. 15601.
259721. 56.167. No. 15489. **259725.** 56.172. No. 15602.
259722. 56.169. No. 15596. **259726.** 56.173. No. 15603.
259723. 56.170. No. 15600. **259727.** 56.174. No. 15604.
259728. 56.175. 'Aceitero Federacion Sel'.
259729. 56.176. 'Hawaii Sel. 5'. Dept. Agriculture, Haiti.
259730. 56.177. 'Hawaii Sel. 1'. Dept. Agriculture, Haiti.
259731 to 259739. DEIP, Argentina.
259731. 56.178. SD 50788. **259736.** 56.183. SD 50948.
259732. 56.179. SD 50791. **259737.** 56.184. SD 50953.
259733. 56.180. SD 50806. **259738.** 56.185. SD 50966.
259734. 56.181. SD 50808. **259739.** 56.186. SD 50990.
259735. 56.182. SD 50901.
259740. 56.187. SA 44 G 346. Potchefstroom, Union of South Africa.
259741. 56.195. No. 28-204. La Estanzuela, Uruguay.
259742. 56.196. 'Turkestan A'. La Estanzuela, Uruguay.
259743. 56.197. 0344. La Estanzuela, Uruguay.
259744. 56.198.
259745. 56.199.
259746. 56.200. (58-1209).
259747. 56.200. (58-1210).
259748. 56.201. 'Tingo Maria'. Tingo Maria, Peru.
259749. A.
259750. B.
259751. C.
259752. D.
259753. 'Barberton' (58-1219).
259754. 'Kawanda' (58-1216).
259755. 'Natal Common' (58-1218).
259756. 'Stepheville' (58-1215).
259757. 'Manyma Bunch' (58-1214).
259758. 'Spanish Bunch' (58-1217).

259759. *VIGNA SESQUIPEDALIS* (L.) Fruwirth Fabaceae.

Yardlong cowpea.

From Hong Kong. Seeds presented by P. S. Chung. Received Sept. 23, 1959.

259760 to 259762.

From New Guinea. Seeds presented by the Archbold Expedition, Goroka.
Received Aug. 13, 1959.

259760. RHODODENDRON sp. Ericaceae.

No. 30113. East slopes Mount Wilhelm, July 23, 1953. Elevation 3,990 meters.

259761. RHODODENDRON sp.

No. 30808. East slopes Mount Wilhelm. July 1959. Elevation 2,740 meters. Low epiphyte in mossy forest; flowers red, showy.

259762. RUBUS sp. Rosaceae.

No. 30099. East slopes Mount Wilhelm. Elevation 4,000 meters.

259763. POA BULBOSA L. Poaceae.

Bulbous bluegrass.

From Greece. Seeds presented by the Hellenic Agricultural Research Station, Larissa. Received Aug. 13, 1959.

Collected in Central Peloponnisis near Tripolis. Elevation 600 meters.

259764 to 259863. ARACHIS HYPOGAEA L. Fabaceae.

Peanut.

From Nyasaland. Seeds presented by the Agricultural Research Station, Lilongwe. Received August 13, 1959.

259764. U/A 1-BS 1.

259792. U/A 36-S 726.

259765. U/A 2-BB 2.

259793. U/A 37-S 731.

259766. U/A 4-B 227.

259794. U/A 38-'Atuboi'.

259767. U/A 5-B 239.

259795. SA/A 4-'Virginia'.

259768. U/A 7-B 353.

259796. SA/A 5-42-G-105.

259769. U/A 9-B 700.

259797. SA/A 6-43-G-68.

259770. U/A 10-B 701.

259798. SA/A 7-44-G-346.

259771. U/A 12-B 704.

259799. SA/A 8-47-G-114.

259772. U/A 13-B 713.

259800. N/A 1 'Gambia'.

259773. U/A 14-B 715.

259801. N/A 2 'Mwitunde'.

259774. U/A 15-B 717.

259802. N/A 3a 'Virginia Bunch a'.

259775. U/A 16-B 719.

259803. N/A 3b 'Virginia Bunch b'.

259776. U/A 17-B 724.

259804. S/A 1 'Abu Arbaa'.

259777. U/A 19-B 727.

259805. S/A 2 'Barberton'.

259778. U/A 21-B 729.

259806. S/A 3 'Beladi Bunch'.

259779. U/A 23-B 732.

259807. S/A 4 'Jur'.

259780. U/A 24-B 733.

259808. S/A 5 'Kalinde'.

259781. U/A 25-B 735.

259809. S/A 8 'Asford'.

259782. U/A 26-B 736.

259810. T/A 1 'Kalunde'.

259783. U/A 27-B 737.

259811. T/A 2 'Kanyoma'.

259784. U/A 28-S 183.

259812. T/A 4 'Kutumbaa'.

259785. U/A 29-S 185.

259813. T/A 5 'Matavere'.

259786. U/A 30-S 716.

259814. T/A 7 'Spanish'.

259787. U/A 31-S 718.

259815. A/M 1.

259788. U/A 32-S 720.

259816. A/M 2.

259789. U/A 33-S 721.

259817. A/M 3.

259790. U/A 34-S 722.

259818. A/M 4.

259791. U/A 35-S 723.

259819. A/M 5.

259764 to 259863—Continued

- | | |
|--------------------------------|-----------------------------------|
| 259820. 333-B-3-1-3. | 259842. 'Early Ripening Bunch'. |
| 259821. 'Ap. 205 Spanish'. | 259843. 809. |
| 259822. 'A7 Ganadjika'. | 259844. 'Castle Cary'. |
| 259823. 'A65 Gandaijika'. | 259845. TMV 3. |
| 259824. 'Spanish Bunch' A.R.S. | 259846. 'Wina Bunch'. |
| 259825. 'Chimbwila'. | 259847. MJ 374. |
| 259826. 'Manyema Nzega'. | 259848. '1.A. Red Bassanga'. |
| 259827. 'Manvema Tanganyika'. | 259849. 'Hong Kong'. |
| 259828. 'Mango Nzega'. | 259850. AM. 22 'Var. 78'. |
| 259829. 'Tunduru'. | 259851. 'American'. |
| 259830. 'Mulova Tuduru'. | 259852. 'Valencia Potchefstroom'. |
| 259831. 'Konwa Red'. | 259853. 'Chitala White'. |
| 259832. 'Konwa Mixed'. | 259854. 'Mbawa Runner'. |
| 259833. 'Kidang Batavia'. | 259855. 'Bambia Spreading'. |
| 259834. 'Gadiah 61'. | 259856. S/A 7 'Zande'. |
| 259835. 'Schwarz 21'. | 259857. 'Natal Common Katete'. |
| 259836. 'Japanese Bunch'. | 259858. S/A 6 KCA. |
| 259837. 'Giza Bunch'. | 259859. 'Sinyala Local'. |
| 259838. 43-G-90. | 259860. 'Common White' ex Brazil. |
| 259839. KCA S/A6. | 259861. 'Chalimbani'. |
| 259840. 'Nhambaquarea'. | 259862. 'Kapwoto'. |
| 259841. 'Variety 68'. | 259863. 'Mbale Bunch'. |

259864. PRINGLEA ANTISCORBUTICA R. Br. Brassicaceae.**Kerguelen cabbage.**

From France. Seeds presented by the Museum National d'Histoire Naturelle, Paris. Received August 14, 1959.

Collected in the Kergelen Islands.

259865 to 259894.

From Yugoslavia. Seeds presented by the Institute for Research in Plant Production, Zagreb. Received August 14, 1959.

- | | |
|--|---------------------|
| 259865 to 259874. AVENA SATIVA L. Poaceae. | Common oats. |
| 259865. No. 8. Z-1. Winter type; straw weak. | |
| 259866. No. 9. Z-14. Facultative and early type; some resistant to cold, straw strong. | |
| 259867. No. 10. Z-24. Winter type; straw weak. | |
| 259868. No. 11. Z-43. Winter type; late-maturing; straw weak. | |
| 259869. No. 12. Z-47. Winter type; late-maturing; straw weak. | |
| 259870. No. 13. Z-53. Spring type; late-maturing; straw weak. | |
| 259871. No. 14. Z-64. Spring type; medium- late maturing, straw weak. | |
| 259872. No. 15. Z-110. Facultative type; straw weak. | |
| 259873. No. 16. Z-202. Winter type; straw weak. | |
| 259874. No. 17. Z-219. Facultative and early type; straw weak. | |

259865 to 259894—Continued

259875 to 259878. *HORDEUM VULGARE* L. Poaceae. **Common barley.**

259875. No. 20. J-16. Winter type; resistant to *Helminthosporium* and rust.

259876. No. 21. J-20. Winter and medium early type.

259877. No. 22. J-25. Winter type; straw weak.

259878. No. 23. J-53. Spring type.

259879 to 259894. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**

259879. No. 53. U-1.

259880. No. 47. U-12. Facultative; straw strong susceptible to cold injury, not resistant to rust.

259881. No. 48. U-14. Facultative; for moderate climates, not resistant to rust.

259882. No. 27. 'Osjecka Sisulja'. Winter type; for moderate climates; susceptible to rust.

259883. No. 29. 1094/56. Stem 130 cm. high.

259884. No. 31. 148/57. Stem to 110 cm. high. Resistant to cold and *Puccinia graminis*.

259885. No. 32. 643/58. Winter type; stem 110 cm. high. Resistant to *Puccinia graminis*.

259886. No. 33. P-23 'Beljski Rod 56'. Steppe wheat.

259887. No. 35. P-262 'Fiorello'. Mediterranean wheat.

259888. No. 36. P-813 'Autonomia'. Mediterranean wheat.

259889. No. 37. P-705 'San Pastore'. Mediterranean wheat.

259890. No. 38. P-712 'Mara'. Mediterranean wheat.

259891. No. 39. P-718 'Fortunato'. Mediterranean wheat.

259892. No. 41. P-725 'Hauter II'. Atlantic wheat.

259893. No. 44. P-559 'II-50-72 Frontana' X '58-Newthatch'. Resistant to *Puccinia graminis*.

259894. No. 46. P-603n 318.A.T. Resistant to *Puccinia graminis*.

259895. *ERIANTHUS* sp. Poaceae.

From the British West Indies. Cuttings presented by the British West Indies Sugar Cane Breeding Station, Bridgetown, Barbados. Received Aug. 14, 1959.

259896. *CYTISUS* (hybrid) Fabaceae.

From the Netherlands. Seeds collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 17, 1959.

Col. No. 6221. 'Hollandia'. Gabr. Veerman nursery, Boskoop.

259897 to 259954.

From the Netherlands. Cuttings collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 17, 1959.

Presented by the Institute of Horticultural Plant Breeding, Wageningen, and collected from the wild in the Union of South Africa, unless otherwise indicated.

259897. *CRASSULA ACUTIFOLIA* Lam. Crassulaceae.

Col. No. 1679.

259897 to 259954—Continued

- 259898 and 259899.** *CRASSULA ANOMALA* Schoenl. & Bak. f.
259898. Col. No. 6216.
259899. Col. No. 6226.
- 259900 and 259901.** *CRASSULA BAKERI* Schoenland.
259900. Col. No. 6191.
259901. Col. No. 6196.
- 259902.** *CRASSULA BREVIFOLIA* Harv.
Col. No. 6229.
- 259903.** *CRASSULA CEPHALOPHORA* L.f.
Col. No. 6220.
- 259904.** *CRASSULA DASYPHYLLA* Harv.
Col. No. 6184.
- 259905 and 259906.** *CRASSULA DECEPTRIX* Schoenl.
259905. Col. No. 6193.
259906. Col. No. 6200.
- 259907.** *CRASSULA DELTOIDA* L.f.
Col. No. 6188.
- 259908 to 259912.** *CRASSULA DUBIA* Schoenl.
259908. Col. No. 6212. **259911.** Col. No. 6224.
259909. Col. No. 6214. **259912.** Col. No. 6232.
259910. Col. No. 6215.
- 259913.** *CRASSULA GRISEA* Schoenl.
Col. No. 6187.
- 259914.** *CRASSULA HETEROTRICHIA* Schinz.
Col. No. 6181.
- 259915.** *CRASSULA HYSTRIX* Schoenl.
Col. No. 6222.
- 259916 to 259920.** *CRASSULA LYCOPODIOIDES* Lam.
259916. Col. No. 6180. **259919.** Col. No. 6209.
259917. Col. No. 6194. **259920.** Col. No. 6223.
259918. Col. No. 6203.
- 259921 and 259922.** *CRASSULA NAMAQUENSIS* Schoenl. & Bak. f.
259921. Col. No. 6198.
259922. Col. No. 6227.
- 259923.** *CRASSULA NUDICAULIS* L.
Col. No. 6195.
- 259924.** *CRASSULA OBVALLATA* L.
Col. No. 6205.
- 259925.** *CRASSULA PACHYSTEMON* Schoenl. & Bak. f.
Col. No. 6236.
- 259926 and 259927.** *CRASSULA PERFOSSA* Lam.
259926. Col. No. 6185.
259927. Col. No. 6189.

259897 to 259954—Continued

259928. *CRASSULA RADICANS* D. Dietr.

Col. No. 6207.

259929 and 259930. *CRASSULA RUBELLA* Compton

259929. Col. No. 6218.

259930. Col. No. 6217.

259931 to 259933. *CRASSULA RUPESTRIS* L.f.

259931. Col. No. 6182.

259932. Col. No. 6197.

259933. Col. No. 6234.

259934 and 259935. *CRASSULA SERICEA* Schoenl.

259934. Col. No. 6211.

259935. Col. No. 6221.

259936. *CRASSULA SUBAPHYLLA* Harv.

Col. No. 6201.

259937. *CRASSULA TETRAGONA* L.

Col. No. 6192.

259938. *CRASSULA TOMENTOSA* L.f.

Col. No. 6199.

259939. *CRASSULA* (hybrids).

(*C. deceptrix* $\times$ *C. falcata*). Originated in California.

259940. *CRASSULA* (hybrid).

(*C. marnieriana* $\times$ *C. brevifolia*). Originated at Wageningen.

259941. *CRASSULA* (hybrids).

(*C. marnieriana* $\times$ *C. brevifolia*). Originated at Wageningen.

259942. *CRASSULA* sp.

Col. No. 6186.

259943. *CRASSULA* sp.

Col. No. 6190.

259944. *CRASSULA* sp.

Col. No. 6204.

259945. *CRASSULA* sp.

Col. No. 6206.

259946. *CRASSULA* sp.

Col. No. 6219.

259947. *CRASSULA* sp.

Col. No. 6238.

259948. *CRASSULA* sp.

Col. No. 6235.

259949. *KALANCHOE PUMILA* Baker Crassulaceae.

Col. No. 6208. J. Marnier-Lapostolle, Cap-Ferrat, France.

259950. *SENECIO CITRIFORMIS* G. Rowley Asteraceae.

Col. No. 6230. Scrambling shrub; leaves citruslike, blue-green.

259897 to 259954—Continued**259951.** *PILEA GLOBOSA* Wedl. Urticaceae.

Col. No. 6218. Leaves underside translucent.

259952. *AEONIUM ARBOREUM* (L.) Webb. Q Berth. Crassulaceae.**Houseleek.**

Col. No. 6225. 'Moorkop'. Leaves dark purple.

259953. *SENECIO IOSENSIS* Rowley Asteraceae.

Col. No. 6210. From species type material.

259954. *SENECIO RADICANS* (L.f.) Schult. Bip.

Col. No. 6231.

259955. *HIBISCUS HETEROPHYLLUS* Vent. Malvaceae.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 27, 1959.

Collected in the Benarkin Forest Reserve in southern Queensland.

259956. *TAXUS BACCATA* L. Taxaceae.

From the Netherlands. Cuttings collected by F. G. Meyer, agricultural explorer, New Crop Research Branch, Crops Research Division, Beltsville, Md. Received August 17, 1959.

Col. No. 6538. 'Amersfoort'. Grounds of the Psychiatric Hospital, Zon en Schild, Amersfoort. Small dark green tree; branches gently ascending.

259957 to 259962.

From French Polynesia. Seeds presented by the Agricultural Service, Papeete, Tahiti. Received August 17, 1959.

259957. *CITRUS GRANDIS* (L.) Osbeck Rutaceae.**Pummelo.**

'Pamplemousse Doux de Sarawak'.

259958 and 259959. *CITRUS RETICULATA* Blanco**Mandarin orange.****259958.** Unnamed. Introduced by Capt. Cook.**259959.** Unnamed. Introduced from New Caledonia.**259960 to 259961.** *CITRUS SINENSIS* (L.) Osbeck**Sweet orange.****259960.** Agricultural Station, Pirae. Seeds from naturalized trees from the mountains of Tahiti.**259961.** Seed from naturalized orange trees from the mountains of Tahiti.**259962.** *CITRUS* sp.'Combaya'. Probably a form of *C. hystrix*.**259963 to 259984.** *NERINE* (hybrids) Amaryllidaceae.

From Great Britain. Bulbs collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 18, 1959.

Collected at the Exbury Estate, Exbury, Southampton, England.

259963. Col. No. 6452. 'Blenheim'. Flowers pale mauve; vein red, tipped pink.**259964.** Col. No. 6453. 'Bagdad'. Flowers scarlet.**259965.** Col. No. 6454. 'Ben Hills'. Flowers vivid pink.**259966.** Col. No. 6455. 'Caryatid'. Flowers orange-scarlet.**259967.** Col. No. 6456. 'Carita'. Flowers pale pink.**259968.** Col. No. 6457. 'Carmenita'. Flowers pale pink-flushed blue.

259963 to 259984—Continued

259969. Col. No. 6458. 'Cerise'. Flowers cerise.
 259970. Col. No. 6459. 'Desdemona'. Flowers deep pink.
 259971. Col. No. 6460. 'Eddy'. Flowers scarlet.
 259972. Col. No. 6461. 'Vivid'. Flowers brilliant red.
 259973. Col. No. 6462. 'Horsa'. Flowers bright pink.
 259974. Col. No. 6463. 'Inchmery'. Flowers scarlet.
 259975. Col. No. 6464. 'King of Belgians'. Flowers pink.
 259976. Col. No. 6465. 'Leo'. Flowers red.
 259977. Col. No. 6466. 'Mrs. H. J. Elwes'. Flowers pale pink.
 259978. Col. No. 6467. 'Miss Moore'. Flowers bright pink.
 259979. Col. No. 6468. 'Optomist'. Flowers red.
 259980. Col. No. 6469. 'October David'. Flowers dark crimson.
 259981. Col. No. 6470. 'Queen Mary'. Flowers salmon-pink.
 259982. Col. No. 6471. 'Ruth'. Flowers deep pink.
 259983. Col. No. 6472. 'Solent Swan'. Flowers white.
 259984. Col. No. 6473. N. (hybrid). 'Spitfire'. Flowers mauve-pink.

259985 to 259988. SACCHARUM (hybrids). Poaceae. Sugarcane.

From the British West Indies. Cuttings presented by the Sugar Research Station, Mandeville, Jamaica. Received August 19, 1959.

259985. 'Ribbon'.
 259986. 'Governor'; 'Crawfish'.
 259987. 'Jamaica Red'; 'Sam Brown'.
 259988. 'Sugar Doctor'.

259989 to 259998. CARTHAMUS TINCTORIUS L. Asteraceae.**Safflower.**

From Pakistan. Seeds presented by the United States Operations Mission, Karachi. Received August 19, 1959.

259989 to 259993. Grown at the Punjab Agricultural College, Lyallpur.

- | | |
|--|------------------------|
| 259989. No. 1. | 259992. No. 6. |
| 259990. No. 4-1. | 259993. No. 7. |
| 259991. No. 5. | |
| 259994 to 259996. From Khairpur, Bahawalpur State. | |
| 259994. No. 8. | 259996. 'Dolkha Sind'. |
| 259995. No. 852. | |
| 259997 and 259998. Lyallpur, Bazaar. | |
| 259997. No data. | |
| 259998. No data. | |

259999 to 260002. MALUS SYLVESTRIS Mill. Malaceae.**Common apple.**

From Great Britain. Scions presented by the National Fruit Trials, Brogdale Farm, Faversham, Kent, England. Received August 19, 1959.

- | | |
|----------------------------|--|
| 259999. 'Crawley Beauty'. | 260001. 'Miller's Seedling' (Red Sport). |
| 260000. 'Egremont Russet'. | 260002. 'San Juan'. |

260003 to 260005.

From the Netherlands. Cuttings collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 19, 1959.

260003 to 260005. Hortus Botanicus, Amsterdam. August 12, 1959.

260003. *BOLBITIS CUSPIDATA* (Presl) Ching. Polypodiaceae.

Col. No. 6574. Densely tufted fern; fronds to 5 feet long.

260004. *MARCGRAVIA POLYANTHA* Delp. Marcgraviaceae.

Col. No. 6578. Epiphyte; leaves dimorphic; flowers in cultivation on the mature branches.

260005. *POTHOS SCANDENS* L. Araceae.

Col. No. 6579. Epiphyte; petiole leaflike, half as wide as the blade.

260006 to 260010. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Australia. Cuttings presented by the Bureau of Sugar Experiments, Brisbane, Queensland. Received August 19, 1959.

260006. Q.65.

260009. Q.70 (I.70).

260007. Q.66.

260010. 'Vidar'.

260008. Q.68.

260011 to 260013. *LOTUS CORNICULATUS* L. Fabaceae.

Birdsfoot trefoil.

From Brazil. Seeds presented by the Agriculture and Natural Resources Division, Rio Grande do Sul. Received August 20, 1959.

260011. 'Jaguarai'.

260012. 'Sao Gabriel'.

260013. 'Vicaria'.

260014 to 260043. *LOLIUM PERENNE* L. Poaceae.

Perennial ryegrass.

From Great Britain. Clones presented by the Welsh Plant Breeding Station, Aberystwyth, Wales. Received August 20, 1959.

260014 to 260021. First Generation.

260014. Ba 7270. Irish, early.

260018. Ba 7274. Kent, early.

260015. Ba 7271. Irish, early.

260019. Ba 7275. Kent, early.

260016. Ba 7272. Irish, late.

260020. Ba 7276. Kent, late.

260017. Ba 7273. Irish, late.

260021. Ba 7277. Kent, late.

260022 to 260037. Fifth Generation.

260022. Ba 7278. Irish, early-early.

260023. Ba 7279. Irish, early-early.

260024. Ba 7280. Irish, early-late.

260025. Ba 7281. Irish, early-late.

260026. Ba 7282. Irish, late-early.

260027. Ba 7283. Irish, late-early.

260028. Ba 7284. Irish, late-late.

260029. Ba 7285. Irish, late-late.

260030. Ba 7286. Kent, early-early.

260031. Ba 7287. Kent, early-early.

260032. Ba 7288. Kent, early-late.

260014 to 260043—Continued**260022 to 260037—Continued**

260033. Ba 7289. Kent, early-late.
 260034. Ba 7290. Kent, late-early.
 260035. Ba 7291. Kent, late-early.
 260036. Ba 7292. Kent, late-late.
 260037. Ba 7293. Kent, late-late.
 260038. Ba 7146. S.23, extra-late. **260041.** Ba 7158. S.23, extra-late.
 260039. Ba 7153. S.23, extra-late. **260042.** Ba 7159. S.23, extra-late.
 260040. Ba 7156. S.23, extra-late. **260043.** Ba 7161. S.23, extra-late.

260044. TRITICUM AESTIVUM L. Poaceae.**Common wheat.**

From Southern Rhodesia. Seeds presented by the Department of Research and Specialist Services, Salisbury. Received Aug. 20, 1959.

'Mafuta'.

260045 and 260046. ORYZA SATIVA L. Poaceae.**Rice.**

From the United States. Seeds presented by the Rice Pasture Experiment Station, Beaumont, Texas. Numbered Aug. 20, 1959.

Selections from P.I. 247956.

260045. 'Cuba 65-V-58'.

260046. 'Cuba 65-58A'.

260047. AMELANCHIER SANGUINEA DC. Malaceae.**Shadbush.**

From Canada. Seeds collected by F. J. Hermann, New Crops Research Branch, Plant Industry Station, Beltsville, Md. Received Aug. 27, 1959. Rocky slope above Georgian Bay, Ten Mile Point, Manitoba Island, Ontario.

260048. FRAGARIA MOSCHATA Duchesne Rosaceae.**Hautbois strawberry.**

From Great Britain. Seeds presented by the John Innes Horticultural Institution, Bayfordbury, Hertford, Herts, England. Received Aug. 21, 1959.

B.M. 248 × self.

260049 to 260062.

From the Union of Soviet Socialist Republics. Seeds presented by the Union of Soviet Socialist Republics Agricultural Exhibition, New York, N.Y. Received August 20, 1959.

260049. AVENA SATIVA L. Poaceae.**Common oats.**

'Sanietski'.

260050 and 260051. LINUM USITATISSIMUM L. Linaceae.**Common flax.**

260050. 'Ghissaiski 474'.

260051. 'Varoneshski 1308'.

260052. ORYZA SATIVA L. Poaceae.**Rice.**

'Krasnodarski 424'.

260053. PANICUM MILIACEUM L. Poaceae.**Proso millet.**

'Veselopolianskoyi 367'.

260049 to 260062—Continued

260054 and 260055. *SECALE CEREALE* L. Poaceae. Rye.

260054. 'Kazanskaya'.

260055. 'Kharkovskaya 194'.

260056. *SORGHUM SUDANENSE* (Piper) Stapf Poaceae. Sudangrass.
'Odesskaya 25'.

260057 to 260060. *TRITICUM AESTIVUM* L. Poaceae. Common wheat.

260057. 'Hordiforme 10'. Hard, spring type.

260058. 'Hordioforme 189'. Hard, spring type.

260059. 'Hybrid 186'. Reported to be a *Triticum* × *Agropyron* hybrid.

260060. 'Sikorospyelka 3'. Winter type.

260061 and 260062. *TRITICUM DURUM* Desf.

260061. 'Akmolinka 5'. Spring type.

260062. 'Uralskaya 16'. Spring type.

260063 to 260065. *CITRUS RETICULATA* Blanco Rutaceae.

Mandarin orange.

From Malaya. Seeds presented by Dick Hamilton, Singapore. Received August 21, 1959.

260063. 'Kapro'. From Madiera Island. Good dessert variety.

260064. 'Siam'. From Bekasi. Good dessert variety; very prolific.

260065. 'Tjinalitjon'. Grows well on heavy, dry soil and may have rootstock possibilities. It thrives where other citrus are very weak growing and short-lived.

260066 to 260142.

From Australia. Seeds collected by George Spalding, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. From the Melbourne Botanic Gardens and National Herbarium, South Yarra, Victoria. Received August 24, 1959.

260066. *ACACIA MAIDENII* F. Muell. Mimosaceae.

Col. No. 466. Tree to 50 feet high; trunk to 1.5 feet diameter; phyllodes about 4 inches long, linear-lanceolate, falcate, dark green; flowers in spikes, 1 inch long, bright yellow.

260067. *ACACIA ULICIFOLIA* (Salisb.) A.B.Court

Col. No. 462. Straggly tree to 8 feet high; phyllodes about 0.75 inch long, pungent; flowers pale yellow; flower heads spherical.

260068. *AJUGA AUSTRALIS* R.Br. Menthaceae.

Col. No. 383. Softly hairy perennial to 2 feet high; leaves ovate-oblong, somewhat toothed; flowers bright blue.

260069. *ALECTRYON EXCELSUM* J.Gaertn. Sapindaceae. Titoki.

Col. No. 1070. Tree to 60 feet high; trunk to 2 feet in diameter; bark usually black; leaves unequally pinnate, 4-12 inches long; flowers in panicles.

260070. *ALECTRYON SUBCINEREUS* (A.Gray) Radlk.

Col. No. 1071. Tree to 30 feet high; leaves glabrous, leaflets 2-6, oblong-elliptical, 3-5 inches long; flowers in loose panicles.

260071. *ALECTRYON TOMENTOSUM* (F.Muell.) Radlk.

Col. No. 1072. Tree to 30 feet high; young branches rusty-tomentose; leaves divided into 4-8 leaflets each to 4 inches long; flowers small.

260066 to 260142—Continued

260072. *ALSOPHILA AUSTRALIS* R.Br. Cyatheaceae.

Col. No. 262. Plant to 30 feet high; fronds to 10 feet long. Grows well in a warm, moist climate.

260073. *BACKHOUSIA CITRIODORA* F.Muell. Myrtaceae.

Col. No. 683. Small tree; leaves ovate to ovate-lanceolate, 3-5 inches long; flowers numerous, small.

260074. *BACKHOUSIA MYRTIFOLIA* Hook.

Col. No. 684. Tree to 15 feet high; branches slender; leaves opposite, ovate, punctate, margins ciliate; flowers in small corymbs, white, cream, green and yellow, to 0.5 inch across.

260075. *BAECKEA DENSIFOLIA* Sm. Myrtaceae.

Col. No. 685. Virgate shrub to 6 feet high; branches erect, numerous, arising from the base; leaves minute; flowers white.

260076. *BILLARDIERA LONGIFOLIA* Labill. Pittosporaceae.

Col. No. 878. Slender creeper to 15 feet high; foliage dense; flowers pale green, pendulous; berries to an inch long, bright violet.

260077. *BRACHYCOME SIEBERI* DC. Asteraceae.

Col. No. 176. Plant to 2 feet high; leaves mostly basal, to 3 inches long, broadly toothed; flowers terminal, pale mauve or azure-blue.

260078. *BRACHYSEMA SUBCORDATUM* Benth. Fabaceae.

Col. No. 488. Spreading shrub to 3 feet high; leaves an inch long, cordate.

260079. *CALLISTEMON RIGIDUS* R. Br. Myrtaceae.

Col. No. 691. No data.

260080 and 260081. *CALLITRIS CUPRESSIFORMIS* Vent. Pinaceae.

260080. Col. No. 246. Tree to 60 feet high and 1 to 2 feet in diameter; female cones clustered, 1 inch in diameter.

260081. Col. No. 253. Tree to 60 feet high and 1 to 2 feet diameter; female cones clustered, to 1 inch in diameter.

260082. *CALLITRIS HUEGELLI* (Carr.) Franco. Pinaceae.

Col. No. 248. Tree to 50 feet high; trunk 18 inches in diameter; cones 1 inch diameter.

260083. *CALLITRIS OBLONGA* Rich.

Col. No. 251. Small tree; branches dense, erect; female cones to 1 inch diameter.

260084. *CALLITRIS ROBUSTA* (Parl.) F. M. Bailey

Col. No. 245. Tall tree; branches spreading or ascending.

260085. *CALYTHRIX SULLIVANII* F. Muell. Myrtaceae.

Col. No. 703. Erect or semispreading shrub to 3 feet high; leaves very small, linear; flowers white to pink.

260086. *CALYTHRIX TETRAGONA* Labill.

Col. No. 705. Tree to 8 feet high; branches many, arising directly from the base; leaves small, ericoid, to 1 inch long, dark green; flowers numerous, white.

260087. *CARMICHAELIA ALIGERA* G. Simpson Fabaceae.

Col. No. 491. Tree to 30 feet high; trunk 1 foot in diameter; leaves to 2.5 inches long, glabrous, compound; flowers in racemes, white and purple.

260088. *CERATOPETALUM GUMMIFERUM* Sm. Cunoniaceae.

Col. No. 244. Tree to 30 feet high; leaves trifoliate, to four inches long, sometimes yellow-green, glossy; flowers greenish-white, in cymes or panicles.

260066 to 260142—Continued

260089. *CINNAMOMUM BURMANII* Nees. Lauraceae.

Col. No. 440.

260090. *CORREA SPECIOSA* Ait. Rutaceae.

Col. No. 1060. Open, erect shrub to six feet high; leaves reflexed, opposite, woolly underneath, to three inches long; flowers pendulous, green, to one inch long.

260091. *ALSPHILA AUSTRALIS* R. Br. Cyatheaaceae.

Col. No. 261. Plant to 30 feet high; trunk to 12 inches thick; fronds large, to 12 feet long; bases of rachis rough.

260092. *DICHOPOGON STRICTUS* (R. Br.) Baker Liliaceae.

Col. No. 582. Perennial to three feet high; leaves to eight inches long, grasslike, mostly radical; flowers bright purple.

260093. *DRACOPHYLLUM SECUNDUM* R. Br. Epacridaceae.

Col. No. 276. Erect shrub to several feet high; leaves spreading, linear-lanceolate, to six inches long; flowers white, in spikes to six inches long.

260094. *ELAEOCARPUS CYANEUS* Ait. Elaeocarpaceae.

Col. No. 274. Tree to 50 feet high; leaves elliptic-ovate, to five inches long; flowers small, greenish; fruit drupaceous, bright blue.

260095. *ERIOSTEMON MYOPOROIDES* DC. Rutaceae.

Col. No. 1061. Shrub to eight feet high; leaves lanceolate, punctate; flowers white, waxy and persisting.

260096. *EUTAXIA MICROPHYLLA* (R. Br.) J. M. Black. Fabaceae.

Col. No. 515. Spreading shrub to 3 feet high; branches long, trailing; flowers small, red and yellow.

260097. *GLOCHIDION FERDINANDII* (Muell.) Pax & K. Hoffm. Euphorbiaceae.

Col. No. 300. Small glabrous tree; leaves elliptical or ovate-lanceolate, to 4 inches long; flowers in sessile axillary clusters.

260098. *GREVILLEA HILLIANA* F. Muell. Proteaceae.

Col. No. 915. Tree to 25 feet high; leaves entire or deeply dissected, to 10 inches long; flowers small, in very dense spikes, to 5 inches long, creamy-white.

260099. *GREVILLEA JUNIPERINA* R. Br. Proteaceae.

Col. No. 918. Spreading plant to 6 feet high; branches long; leaves linear, fascicled, pungent, to 2 inches long; flowers orange-red.

260100. *GREVILLEA OLEOIDES* var. *DIMORPHA* (F. Muell.) Benth.

Col. No. 923. Erect, open shrub to 8 feet high; leaves to 6 inches long; flowers red.

260101. *GREVILLEA ROSMARINIFOLIA* A. Cunn.

Col. No. 925. Shrub to 10 feet high and 15 feet across; branches spreading; leaves small, dark green, pungent; flowers green and red.

260102. *HOVEA ELLIPTICA* (Sm.) DC. Fabaceae.

Col. No. 524. Erect shrub to 6 feet high; leaves to 3 inches long, lanceolate to elliptical; flowers in small axillary clusters, blue.

260103. *HOVEA LONGIFOLIA* R. Br.

Col. No. 525. Erect shrub to 10 feet high; branches erect; leaves linear-lanceolate, leathery, upper surface sometimes rugose; flowers bright sky-blue.

260104. *KREYSIGIA MULTIFLORA* (R. Br.) Reichenb. Liliaceae.

Col. No. 589. Herb to 18 inches high, forming clumps; leaves to 3 inches long, ovate, sessile; flowers axillary, 0.75 inch across, pink.

260066 to 260142—Continued

260105. *KUNZEA BAXTERI* (Klotzsch) Schauer. Myrtaceae.

Col. No. 755. Shrub to 6 feet high; leaves narrow-linear to 0.75 inch long, rigid; flowers in dense spikes to 2 inches long, resembling a callistemon, bright red; stamen yellow.

260106. *LASIOPETALUM BAURI* Steetz. Sterculiaceae.

Col. No. 1122. Shrub to 5 feet high; leaves small, linear, leathery; flowers white, shades of pink or light mauve.

260107. *LASIOPETALUM DASYPHYLLUM* Sieber.

Col. No. 1123. Spreading shrub to 15 feet high; leaves ovate to lanceolate, to 4 inches long, woolly underneath; calyx velvety, pale pink to rusty-brown.

260108. *LEPTOSPERMUM SCOPARIUM* Forst. Myrtaceae.

Col. No. 759. 'Keatleyi'. Winter flowering hybrid; flowers pink, paler towards the edge, to 1 inch across.

260109. *LEPTOSPERMUM* (hybrid)

Col. No. 262. 'Nana'. Very dwarf shrub; foliage fine, dense, reddish, minute.

260110. *LEPTOSPERMUM SCOPARIUM* Forst.

Col. No. 770. 'Walkeri'. Open, spreading plant; flowers are in shades of pink and white.

260111. *LEPTOSPERMUM ERICOIDES* A. Rich.

Col. No. 756. Spreading tree to 15 feet high; leaves small, glossy, green; flowers small, white; fruit a hard capsule.

260112. *LEPTOSPERMUM SCOPARIUM* Forst.

Col. No. 766. 'Chapmanii'. Erect or willowy shrub; foliage usually dark; flowers large, rosy-red.

260113. *LOMATIA FRAXINIFOLIA* F. Muell. Proteaceae.

Col. No. 942. Small tree; leaves irregularly divided, to 6 inches long; flowers in racemes to 8 inches long.

260114. *LOMATIA MYRICOIDES* (J. Gaertn.) Domin.

Col. No. 943. Erect shrub to 20 feet high; leaves to 8 inches long; flowers pale green or cream, small, insignificant.

260115. *LOMATIA SALAIFOLIA* (Sm.) R. Br.

Col. No. 945. Shrub to 4 feet high; leaves compound, very deeply dissected, to 5 inches long; flowers small, creamy-white, in racemes or panicles.

260116. *MELALEUCA LINARIIFOLIA* Sm. Myrtaceae.

Col. No. 780. Tall tree slender branches; leaves mostly opposite, to 1.5 inches long; flowers numerous, white.

260117. *OLEARIA ARGOPHYLLA* (Labill.) F. Muell. Asteraceae.

Col. No. A. Spreading tree to 30 feet high; trunk to 12 inches thick; leaves ovate, to 6 inches long, silver beneath and dark green above; flowers small, in numerous heads.

260118. *OLEARIA LYRATA* (Sims) Hutch.

Col. No. 210. Erect, slender shrub to 8 feet high; branches slender, erect; leaves lanceolate, woolly beneath, to 6 inches long; flowers white, rays prominent.

260119. *OLEARIA STELLULATA* DC.

Col. No. 209. Spreading shrub to 8 feet high; leaves to 1 inch long; flowers in compact heads, white.

260066 to 260142—Continued

260120 and 260121. *OXYLOBIUM LANCEOLATUM* (Vent.) Druce. Fabaceae.

260120. Col. No. 536. Shrub to 15 feet high; leaves in three, linear to linear-lanceolate, to 5 inches long; flowers in terminal heads or clusters, yellow and red.

260121. Col. No. 537. Shrub to 15 feet high; leaves in threes, linear to linear-lanceolate, to 5 inches long; flowers in terminal heads or clusters, yellow and red.

260122. *PATERSONIA LONGISCAPA* Sweet. Iridaceae.

Col. No. 378. Perennial to 15 inches high; leaves to 8 inches long; flowers to 2 inches across, bluish-purple, very delicate; perianth parts thin.

260123. *PHLOMIS FRUTICOSA* L. Menthaceae.

Col. No. 400. No data.

260124. *PIMELEA FERRUGINEA* Labill. Thymelaeaceae.

Col. No. 1135. Semierect shrub to 3 feet high; branches numerous; leaves to 0.75 inch long, shining, dark green, elliptical-ovate; flowers pinkish-white.

260125. *PLECTRANTHUS ECKLONII* Benth. Menthaceae.

Col. No. 404. No data.

260126. *PLECTRANTHUS FRUTICOSUS* L'Her.

Col. No. 405. No data.

260127. *PODOCARPUS ELATA* R.Br. Taxaceae.

Col. No. 1128. Tree to 100 feet high; leaves to 6 inches long, linear-lanceolate.

260128. *POMADERRIS EDGERLEYI* Hook. f. Rhamnaceae.

Col. No. 969. Straggly shrub to 4 feet high; leaves to 1 inch long; flowers small, in terminal and axillary cymes.

260129. *POMADERRIS LANIGERA* (Andr.) Sims.

Col. No. 971. Shrub to 10 feet high; leaves to 3 inches long, broadly elliptical, dull green on upper surface; flowers in cymose clusters, grouped into dichotomous panicles; brownish-white.

260130. *PROSTANTHERA INCISA* R.Br. Menthaceae.

Col. No. 411. Slender shrub to 6 feet high; leaves oblong or ovate-lanceolate, to 1 inch long; flowers blue or mauve.

260131. *PROSTANTHERA LASIANTHOS* Labill.

Col. No. 414. Erect tree, to 60 feet high; bole single; flowers in racemes, white.

260132. *PROSTANTHERA OVALIFOLIA* R.Br.

Col. No. 417. Strongly scented dense, bushy shrub, to 5 feet high; leaves ovate to oblong, 0.5 inch long; flowers deep blue.

260133. *RAPANEA HOWITTIANA* F.Muell. Myrsinaceae.

Col. No. 677. Shapely evergreen tree to 60 feet high; bole clean, whitish-grey, to 18 inches thick; leaves glossy-green, ovate, to 2 inches long; flowers insignificant.

260134. *RULINGIA PARVIFLORA* Endl. Sterculiaceae.

Col. No. 1124. Erect, hairy shrub to several feet high; leaves broadly ovate, to 3 inches long, wrinkled; flowers to 10 inches in a cyme, white to greenish-white.

260135. *SIDEROXYLON AUSTRALE* (R.Br) Benth. & Hook. Sapotaceae.

Col. No. 1084. Tall tree; foliage glabrous except on young branches; leaves elliptical-oblong to ovate-oblong, to 4 inches long; flowers in axillary clusters.

260066 to 260142—Continued

260136. *STENOCARPUS SALIGNUS* R. Br. Proteaceae.

Col. No. 954. Tree to 30 feet high; leaves elliptical or ovate-lanceolate, to 4 inches long, glabrous; flowers in umbels of 10-20, creamy-white.

260137. *STRELITZIA ALBA* (L.f.) Skells. Musaceae.

Col. No. 670. No data.

260138. *SYNCARPIA PROCERA* (Salisb.) Domin. Myrtaceae.

Col. No. 803. Slender tree to 15 feet high; leaves in whorls, mostly broadly ovate, to 3 inches long; flowers white.

260139. *THOMASIA BRACHYSTACHYS* Turca. Sterculiaceae.

Col. No. 1127. Shrub to 3 feet high; branches spreading; foliage bright green; leaves cordate, to 3 inches long.

260140. *TIEGHEMOPANAX SAMBUCIFOLIUS* var. *ANGUSTIFOLIUS* A. J. Ewart Araliaceae.

Col. No. 66. Spindly shrub to 15 feet high; branches confined to upper parts of trunk; leaves compound, much dissected; flowers whitish-green, in umbels.

260141. *LOMATIA ILICIFOLIA* R.Br. Proteaceae.

Col. No. 941. Tree to 40 feet high; branches spreading; leaves to 6 inches long, dark green and hard; flowers insignificant.

260142. *ZIERIA SMITHII* Andr. Rutaceae.

Col. No. 1068. Tree to 25 feet high; leaves to 4 inches long, trifoliate, very aromatic; flowers small, white.

260143 and 260144.

From Australia. Cuttings presented by the Commonwealth Sugar Research Company, Sydney. Received August 24, 1959.

260143 *SACCHARUM* sp. Poaceae.

SES 352.

260144. *SACCHARUM* sp.

SES 356.

260145 to 260149. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Chile. Tubers presented by the Departamento Produccion Agraria Ministerio de Agricultura, Santiago. Received August 25, 1959.

260145. C.37 I-18.

260148. 'Corahila Larga'.

260146. 'Blanca Curaco'.

260149. 'Mantequilla I 82'.

260147. 'Cunca'.

260150 to 260163. PYRUS COMMUNIS L. Malaceae. Pear.

From France. Budsticks presented by the Institut National de la Recherche Agronomique Station de Recherches d'Arboriculture Fruitire, Angers. Received August 25, 1959.

260150. 'Alliance Franco'.

260157. 'General Le Clerc P. 406'.

260151. 'Belle Angevine'.

260158. 'Le Lectier I. 84'.

260152. 'Belle Picarde'.

260159. 'Louis Pasteur P. 459'.

260153. 'Bergamotte Esperen'.

260160. 'Marie Benoist P. 89'.

260154. 'Beurre Vanille'.

260161. 'Roi Sobieski P. 438'.

260155. 'Coscia S. 269'.

260162. 'Tonkowitzka P. 592'.

260156. 'General Koenig P. 405'.

260163. 'Van Marum P. 114'.

260164 to 260180.

From Japan. Seeds presented by the Botanical Garden, Osaka City University, Kisaichi, Osaka Prefecture. Received August 26, 1959.

260164. *HIBISCUS ACETOCELLA* Welw. Malvaceae.

260165. *HIBISCUS CANNABINUS* L.

Kenaf.

260166. *HIBISCUS ESCULENTUS* L.

Okra.

260167. *HIBISCUS HAMABO* Sieb. & Zucc.

260168. *HIBISCUS MANIHOT* L.

Dwarf type.

260169. *HIBISCUS MANIHOT* var. *DISSECTA* Mottet.

260170. *HIBISCUS MICRANTHUS* L.f.

260171. *HIBISCUS PEDUNCULATUS* L.f.

260172. *HIBISCUS SABDARIFFA* L.

Roselle.

260173. *HIBISCUS SOLANDRA* L'Her.

260174. *HIBISCUS TRIONUM* L.

Flower-of-an-hour.

260175. *HIBISCUS* sp.

260176. *HIBISCUS* sp.

From the Himalaya Mountains. A wild form.

260177. *HIBISCUS* sp.

'Bhwatan'. A wild form.

260178. *HIBISCUS* sp.

'Kokio-Odher'. (cf. *H. radiatus*).

260179. *HIBISCUS* (hybrid).

'Denisonii'.

260180. *HIBISCUS* (hybrid).

Formerly from Kagawa.

260181 to 260185.

From Great Britain. Plants presented by the Royal Botanic Garden, Edinburgh, Scotland. Received August 26, 1959.

260181. *ASPARAGUS* sp. Convallariaceae.

260182. *ANTHURIUM VEITCHII* Mast. Araceae.

260183. *BEGONIA PRISMATOCARPA* Hook. Begoniaceae.

260184. *PELARGONIUM* (hybrid). Geraniaceae.

'Mrs. Blow'.

260185. *RANDIA MACULATA* DC. Rubiaceae.

260186 to 260192. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Mauritius. Cuttings presented by the Mauritius Sugar Industry Research Institute, Reduit. Received August 27, 1959.

260186. M.31/45.

260190. M. 202/46.

260187. M.93/48.

260191. M. 253/48.

260188. M.129/43.

260192. M. 305/49.

260189. M.147/44.

260193 to 260200.

From Yugoslavia. Scions presented by the United States Operations Mission, Belgrade. Received August 27, 1959.

260193 and 260194. *PRUNUS ARMENIACA* L. Amygdalaceae. **Apricot.**

260193. 'Early Giant'. Tree productive; fruits firm, large, good quality, ripening after 'Phelps'.

260194. 'Japan Early'.

260195 to 260199. *PYRUS COMMUNIS* L. Malaceae. **Pear.**

260195. 'Abate Fetel'.

260196. 'Buttera Precoce Morettini'.

260197. 'Doyenne de Juillet'. Fruit good quality, softens quickly, very small.

260198. 'Santa Maria'. 'Bon Chretien Williams' × 'Cascia No. 29'. Tree vigorous productive intermediate between the parents in season of ripening; fruit yellowish with red blush; flesh tender translucent, sweet; the quality is as good as 'Williams'. Fruit said to be resistant to bruising.

260199. 'Shipova'. A fall ripening variety; fruit small; leaves applelike.

260200. *PYRUS* sp.

'Cherry Pear'. Ripe 2-3 weeks before the Mayflower peach, drops quickly; very small, fair quality.

260201 to 260205.

From Portugal. Bulbs and seeds collected by Elmo W. Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received August 27, 1959.

260201. *ALLIUM PORRUM* L. Liliaceae. **Leek.**

No. D 91. Seed stem 6 feet high; bulbs formed at base. Used as an ornamental.

260202 and 260203. *ALLIUM SATIVUM* L. **Garlic.**

260202. D 86. Balhao market, Porto. Cloves small, purple. (Bulbs).

260203. D 95. Lisboa market. Scales white; clove pink or white. (Bulbs).

260204. *CYNARA SCOLYMUS* L. Asteraceae. **Globe artichoke.**

D 96. Estacao Agronomica Nacional, Oeiras. Seed stem six feet high. (Seeds).

260205. *CYNARA* sp.

D 94. North of Lisbon on N 1, sough of Mares. Heads spiny; leaves narrow. (Seeds).

260206. *HEVEA BRASILIENSIS* (A. Juss.) Muell. Euphorbiaceae. **Para rubber tree.**

From Ceylon. Plants growing at the United States Plant Introduction Station, Miami, Florida. Numbered Aug. 27, 1959.

LCB-870. Rubber Research Institute. Outstanding for its resistance to *Oidium heveae*.

260207 to 260217. *SORGHUM BICOLOR* (L.) Moench Poaceae.

From Guadeloupe. Seeds presented by the Institut National de la Recherche Agronomiques, Domaine Duclas, Petit-Bourg. Received Aug. 29, 1959.

260207. 'Black Hull'. **260213.** 'Redbine'.

260208. 'Caprock'. **260214.** SH 1.

260209. 'Combine 60'. **260215.** SH 3.

260210. 'Darso 28'. **260216.** 40.

260211. 'Double Dwarf Sooner'. **260217.** 410 B.

260212. 'Early Hegari'.

260218 to 260220.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received Aug. 31, 1959.

260218. *PENNISETUM ALOPECUROS* Steud. Poaceae.

No. 22649. The Institute of Genetics, Misima, Japan.

260219. *PENNISETUM ALOPECUROIDES* (L.) Spreng.

No. 18190. Madras, India.

260220. *PENNISETUM HOHENACKERI* Hochst.

No. 18192. Madras, India.

260221. *MEDICAGO SATIVA* L. Fabaceae.

Alfalfa.

From France. Seeds presented by Maison C & G. Lecureur Freres, Paris. Received August 31, 1959.

260222 to 260231. *ZEA MAYS* L. Poaceae.

Corn.

From Argentina. Seeds presented by the Estacion Experimental Agropecuaria de Tezanos Pinto, Tezanos Pinto. Received August 31, 1959.

260222. L2316 T.P. Selfed 12 years.

260223. L2303 T.P. Selfed 12 years.

260224. L2370 T.P. Selfed 5 years.

260225. L2313 T.P. Selfed 12 years.

260226. L2311 T.P. Selfed 12 years.

260227. L2369 T.P. Selfed 5 years.

260228. L2312 T.P. Selfed 5 years.

260229. L2349 T.P. Selfed 9 years.

260230. L2317 T.P. Selfed 12 years.

260231. L2310 T.P. Selfed 12 years.

260232 to 260240.

From Australia. Seeds presented by the Commonwealth Scientific and Industrial Research Organization, Canberra. Received August 31, 1959.

260232. *CENTROSEMA PLUMIERI* (Turp.) Benth. Fabaceae.

C.P.I. No. 15414. Khartoum, Sudan.

260233. *CENTROSEMA PUBESCENS* Benth.

260234 to 260239. *GLYCINE JAVANICA* L. Fabaceae.

260234. C.P.I. 12600. Madras, India.

260235. C.P.I. 13300. Southern Rhodesia.

260236. C.P.I. 13420. Kenya.

260237. C.P.I. 16417. Ibadan, Nigeria.

260238. C.P.I. 16673. Southern Rhodesia.

260239. C.P.I. 16830. South Africa.

260240. *STYLOSANTHES SUNDAICA* Taub. Fabaceae.

260241 and 260242. *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

From Canada. Scions presented by the Genetics and Plant Breeding Research Institute, Department of Agriculture, Ottawa. Received August 31, 1959.

260241. 'Crimson Beauty'. Originated by Frances P. Sharp, Upper Woodstock, New Brunswick, who crossed 'New Brunswick' × 'Fameuse', about 1876. Tree is hardy and productive under most conditions. Fruit is high in color but ripens unevenly and requires several pickings. Recommended only for local trade.

260241 to 260242—Continued

260242. T-441. 'Crimson Beauty' × 'Red Melba', made by the Hort. Div., Central Experimental Farm. Tree apparently an annual bearer; fruit attractive, good, ripens two weeks before 'Melba'.

260243 to 260251.

From Germany. Seeds presented by the Weihenstephan Agricultural High School, Freising. Received August 31, 1959.

260243. *ALOPECURUS PRATENSIS* L. Poaceae. Meadow foxtail.
'Fuchsschivans'.

260244. *DACTYLIS GLOMERATA* L. Poaceae. Orchardgrass.
'Weihenstephaner'.

260245. *LOLIUM PERENNE* L. Poaceae. Perennial ryegrass.
'Weihenstephaner Wiesenschwingel'.

260246 and 260247. *MEDICAGO FALCATA* L. Fabaceae. Yellow-flowered alfalfa.

260246. 'Sichelluserne'.

260247. 'No. 1'.

260248. *MEDICAGO SATIVA* L. Alfalfa.
'Altfranken-Schmidt'.

260249. *TRIFOLIUM MEDIUM* Huds. Fabaceae. Zigzag clover.
'Mittlerer Waldrotklee'.

260250 and 260251. *TRIFOLIUM PRATENSE* L. Red clover.

260250. 'Oberhaunskidter'.

260251. 'Weihenstephaner'.

260252 to 260279.

From Ethiopia. Seeds presented by the Imperial Ethiopian College of Agriculture and Mechanical Arts, Dire Dawa. Received September 1, 1959.

260252. *BOTHRIODCHLOA INSCULPTA* (Hochst.) A. Camus Poaceae.

From Imperial Ethiopian College, Alemayo.

260253. *ELEUSINE CORACANA* (L.) Gaertn. Poaceae. Ragi.

From Lekempti area.

260254. *GLYCINE JAVANICA* L. Fabaceae.

From Alemayo.

260255. *GOSSYPIUM BARBADENSE* L. Malvaceae. Sea-island cotton.

From Tuka mountain, between Mayale and Mega.

260256 to 260264. *HORDEUM VULGARE* L. Poaceae. Common barley.

260256. No. B1.

260261. No. B6.

260257. No. B2.

260262. No. 9B.

260258. No. B3.

260263. No. 10B.

260259. No. B4.

260264. No. 11B.

260260. No. B5.

260265 and 260266. *HORDEUM VULGARE* var. *NIGRUM* (Willd.) Beaven
Six-rowed barley.

260265. No. B7.

260266. No. B8.

260252 to 260279—Continued

260267. *LINUM USITATISSIMUM* L. Linaceae. Common flax.

From Imperial Ethiopian College, Alemayo.

260268. *LOTUS CORNICULATUS* L. Fabaceae. Birdsfoot trefoil.

260269 and 260270. *MEDICAGO POLYMORPHA* var. *VULGARIS* (Benth.) Shinn. California burclover.

260269. No. 6.

260270. No. 9. From Imperial Ethiopian College, Alemayo.

260271. *MELILOTUS ALBA* Dser. Fabaceae. White sweetclover.
No. 10.

260272. *SESBANIA* sp. Fabaceae.

From Lekempti area.

260273. *SORGHUM VERSICOLOR* Anderss. Poaceae. Black sudangrass.

From Imperial Ethiopian College, Alemayo.

260274 and 260275. *SORGHUM BICOLOR* (L.) Moench

260274. Imperial Ethiopian College, Alemayo.

260275. 'Yellow Endosperm'.

260276. *TRIFOLIUM* sp. Fabaceae.

No. 3.

260277. *TRIFOLIUM* sp.

Purple-flowered clover.

260278. *TRIFOLIUM TEMBENSE* Fres.

No. 2.

260279. *VICIA* sp. Fabaceae.

No. 11. Wild vetch.

260280 to 260287.

From Argentina. Plants presented by Jardin Botanico, Santa Fe, Buenos Aires.
Received Sept. 1, 1959.

260280. *HAWORTHIA ATTENUATA* (Haw.) Baker Liliaceae.

'Clariperla'.

260281. *HAWORTHIA COOPERI* Baker

260282. *HAWORTHIA LAETEVIRENS* Haw.

260283. *HAWORTHIA MARGARITIFERA* (L.) Haw.

260284. *HAWORTHIA RADULA* (Jacq.) Haw.

260285. *HAWORTHIA RIGIDA* Haw.

260286. *HAWORTHIA* sp.

260287. *HAWORTHIA* sp.

260288. *ALLIUM WAKEGI* Araki. Liliaceae.

From Japan. Bulbs presented by the Biological Institute, Ehime University,
Matsuyama.

260289 to 260292.

From Israel. Plants growing at the United States, Plant Industry Station,
Glenn Dale, Md. Numbered September 3, 1959. Department of Botany,
Hebrew University, Jerusalem.

260289. *TAMARIX JORDANIS* Boiss. Tamaricaceae.

260290. *TAMARIX MANNIFERA* Ehrenb.

260289 to 260292—Continued**260291.** TAMARIX MARIS-MORTUI Gutm.**260292.** TAMARIX TETRAGYNA Ehrenb.**260293 to 260309.** SACCHARUM (hybrids). Poaceae.

From Cuba. Cuttings presented by Central Jaronu, Camaguey. Received September 4, 1959.

*(Saccharum × Erianthus)***260293.** No. 1.**260302.** No. 16.**260294.** No. 2.**260303.** No. 56-40-14-31.**260295.** No. 3.**260304.** No. 57-29-16-18.**260296.** No. 4.**260305.** No. 58-1-23-16.**260297.** No. 7.**260306.** No. 58-2-23-14.**260298.** No. 11.**260307.** No. 58-3-6-13.**260299.** No. 13.**260308.** No. 58-15.**260300.** No. 14.**260309.** No. 1958 seedlings.**260301.** No. 15.**260310 to 260361.** BETA VULGARIS L. Chenopodiaceae.**Common beet.**

From Great Britain and Ireland. Seeds collected by Dewey Stewart, Plant Industry Station, Beltsville, Md. Received September 4, 1959.

260310 to 260324. Wembury Bay, Devon, England.**260310.** DS 1.**260318.** DS 9.**260311.** DS 2.**260319.** DS 10.**260312.** DS 3.**260320.** DS 11.**260313.** DS 4.**260321.** DS 12.**260314.** DS 5.**260322.** DS 13.**260315.** DS 6.**260323.** DS 14.**260316.** DS 7.**260324.** DS 15.**260317.** DS 8.**260325 to 260332.** Newton Ferreres, Devon, England.**260325.** DS 16.**260329.** DS 20.**260326.** DS 17.**260330.** DS 21.**260327.** DS 18.**260331.** DS 22.**260328.** DS 19.**260332.** DS 23.**260333.** Dollymount, North Shore, Dublin Bay, Ireland.

DS 24.

260334 to 260349. Kilmore Quay Company, Wexford, Ireland.**260334.** DS 25.**260342.** DS 33.**260335.** DS 26.**260343.** DS 34.**260336.** DS 27.**260344.** DS 35.**260337.** DS 28.**260345.** DS 36.**260338.** DS 29.**260346.** DS 37.**260339.** DS 30.**260347.** DS 38.**260340.** DS 31.**260348.** DS 39.**260341.** DS 32.**260349.** DS 40.

260310 to 260361—Continued**260350 to 260361.** Castlegregory, Ireland.

260350. DS 41.	260356. DS 47.
260351. DS 42.	260357. DS 48.
260352. DS 43.	260358. DS 49.
260353. DS 44.	260359. DS 50.
260354. DS 45.	260360. DS 51.
260355. DS 46.	260361. DS 52.

260362 to 260371. *NICOTIANA TABACUM* L. Solanaceae.**Common tobacco.**

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received September 4, 1959.

- 260362.** V. 254. 'Bahia'. Cigar tobacco.
260363. V. 728. 'Paulista'. Cigar tobacco.
260364. V. 362. 'Jorginho'. Twist tobacco.
260365. V. 380. 'Tiete'. Cigarette tobacco.
260366. V. 34. 'Chinez'. Cigarette tobacco.
260367. V. 690. 'Burley Campinas'. Burley tobacco.
260368. V. 66. 'Jorge Grande'. Twist tobacco.
260369. V. 192. 'Virginia'. Cigarette tobacco.
260370. V. 70. 'Goyano'. Twist tobacco.
260371. V. 1. 'Virginia'. Cigarette tobacco.

260372. *NICOTIANA DEBNEYI* Domin. Solanaceae.

From New Caledonia. Seeds presented by the South Pacific Commission Noumea. Received September 4, 1959.

260373 and 260374.

From the Netherlands. Culms and seeds collected by F. G. Meyer, agricultura, explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 4, 1959.

260373. *SINARUNDINARIA MURIELAE* (Gamble) Nakai Poaceae. **Bamboo.**

Col. No. 6651. Royal Moerheim Nurseries, Dedemsvaart. Clump type, culms to 12 feet high; tips arching. (Culms).

260374. *TROPAEOLUM SPECIOSUM* Poepp. & Endl. Tropaeolaceae.**Vermilion nasturtium.**

Col. No. 6682. Royal Moerheim Nurseries, Dedemsvaart. Rampant, herbaceous climber; stems succulent; leaves compound; flowers 2 inches across, scarlet; fruit china blue. (Seeds).

260375. *CITRUS GRANDIS* (L.) Osbeck. Rutaceae. **Pummelo.**

From China. Seeds presented by R. A. Hamilton, Taipei, Taiwan. Received September 8, 1959.

'Mado'. Not bitter under usual Formosa growing conditions.

260376. *CITRUS DEPRESSA* Hayata. Rutaceae.

From Japan. Seeds presented by R. A. Hamilton, Tokyo. Received September 8, 1959. Rootstock for citrus on Okinawa.

260377 and 260378. *THEOBROMA CACAO* L. Sterculiaceae. **Cacao.**

From Costa Rica. Seeds presented by the International Cooperation Administration, San Jose. Received September 8, 1959.

260377 and 260378—Continued

260377. 'Blanco'. Carretera de Ibicarai, Itabuma, Bahia, Brazil.

260378. 'Catongo'. Region de Itabuma, Bahia, Brazil.

260379 and 260380.

From Iran. Seeds and bulbs presented by R. Beckmann, Tehran. Received September 8, 1959.

260379. ALLIUM sp. Liliaceae.

260380. ALLIUM sp.

260381. ZEA MAYS L. Poaceae.**Corn.**

From Colombia. Seeds presented by the United States Agricultural Attache, Bogota. Received September 9, 1959.

'Cariaco'. From an Indian at Jamachiso. Matures in 45 days.

260382. SACCHARUM sp. Poaceae.

From the Island of Reunion. Cuttings presented by the Station d'Essai de la Bretagne, St. Denis. Received September 9, 1959.

R 397.

260383. BUXUS SEMPERVIRENS L. Buxaceae.**Common box.**

From Germany. Cuttings collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 9, 1959.

Col. No. 6798. 'Heinrich Bruns'. H. Bruns Nursery, Westersted, Oldenburg. Plant fastigate; excellent for hedges, as it requires no clipping.

260384 to 260393.

From Japan. Seeds presented by the Government Forest Experiment Station, Okidate, Aomori. Received September 9, 1959.

260384. ACANTHOPANAX SCIADOPHYLLOIDES Fr. et Sav. Araliaceae.

Province Mutsu.

260385 and 260386. ILEX CRENATA var. PALUDOSA Thunb. Aquifoliaceae.

260385. Aomori City.

260386. Province Mutsu.

260387. ILEX MONTANA var. MACROPODA (Miq.) Fernald

Shimokita Pen., Province Mutsu.

260388. ILEX LEUCOCLADA Maxim.

Mt. Hakkoda, Province Mutsu.

260389. ILEX SUGEROKI Maxim.

Mt. Hakkoda, Province Mutsu.

260390. LILIUM CORDATUM var. GLEHNI (Fr. Schm.) Woodcock Liliaceae.

Lily.

Shimokita Pen., Province Mutsu.

260391. MYRICA GALE L. Myricaceae.

Bayberry.

'Tomentosa'. Mt. Hakkoda, Province Mutsu.

260392. RUBUS MESOGAEUS Focke Rosaceae.

Lake Towada, Province Mutsu.

260393. SOLANUM NIGRUM L. Solanaceae.

Black nightshade.

Aomori City.

260394 to 260421.

From Argentina, Bolivia, Brazil and Peru. Seeds collected by Paul G. Smith, University of California, Davis. Received September 10, 1959.

260394 to 260396. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

260394. M-1. Pera 20-60. Instituto Agronomica, Belo Horizonte, Brazil.

260395. M-2. 'Magnit Potente'. Instituto Nacional de Tecnologia Agropecuaria, Castelar, Buenos Aires, Argentina. Selection from variety 'Platense'.

260396. M-3. Trigal garden, Bolivia. Fruit red, flattened, small, fairly smooth. Local variety.

260397. *LYCOPERSICON ESCULENTUM* f. *PYRIFORME* (Dun.) C. H. Mull.

M-4. Trigal garden, Bolivia. Fruit small, pear shaped, yellow.

260398 to 260400. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**

260398 and 260399. Trigal garden, Bolivia.

260398. M-5. Fruit small, flattened, rough, yellow.

260399. M-6. Fruit small, smooth sphere, yellow.

260400. M-8. Camiri market, Bolivia. Fruit 1.25 inches in diameter, round to oval; skin smooth.

260401. *LYCOPERSICON ESCULENTUM* f. *PYRIFORME* (Dun.) C. H. Mull.

M-9. Camiri market, Bolivia. Fruit 1.25 inches in diameter, round, yellow; skin smooth.

260402. *LYCOPERSICON ESCULENTUM* var. *CERASIFORME* (Dun.) A. Gray.

M-10. Tarapoto, Peru. Fruit small, cherry type.

260403. *LYCOPERSICON GLANDULOSUM* C. H. Mull.

M-11. Padilla garden, about 120 miles east of Sucre, Bolivia. Fruit 1 inch in diameter, spherical, yellow; skin smooth.

260404. *LYCOPERSICON ESCULENTUM* f. *PYRIFORME* (Dun.) C. H. Mull.

M-7. University of Cochabamba, Cochabamba, Bolivia. Fruit small, egg-shaped.

260405 to 260417. *PHASEOLUS LUNATUS* L. Fabaceae. **Lima bean.**

260405 to 260413. From Peru.

260405. PV-1. Roadside, both sides of San Rafael village. April 21, 1959. Trailing vine growing on rocky hillside.

260406. PV-2. Along water course on dry, rocky hillside, 25 miles east of Tarma. Wild plant.

260407. PV-7. Along water course on dry, rocky hillside, 25 miles east of Tarma. Wild plant.

260408. PL-1. Lima-Oroye road, 48 miles east of Lima.

260409. PL-2. Hacienda, 7 miles south of Huanuco.

260410. PL-3. Hacienda, 7 miles south of Huanuco.

260411. PL-8A. 'Arvita'. Iquitos garden.

260412. PL-8B. Roadside from railroad station to Maccu Picchu ruins.

260413. PL-9. Tarapoto garden.

260414 to 260417. Bolivia.

260414. PL-4. Cochabamba yard.

260415. PL-5. Bermejo yard, 90 km. west of Santa Cruz.

260416. PL-6. La Paz-Chulumani road.

260417. PL-7. Near Ipati, 45 km. north of Camiri.

260394 to 260421—Continued**260418 to 260421.** *PHASEOLUS VULGARIS* L.**Common bean.**

From Bolivia.

260418. PV-3. Sucre market.**260419.** PV-4. 'Cumana'. Garden near Ipati.**260420.** PV-5. Sucre market.**260421.** PV-6. Zudanex, 105 km. southeast of Sucre. Used as playthings by children.**260422.** *PHYLLOSTACHYS VIOLASCENS* A. & C. Riviere **Poaceae.****Violet bamboo.**

From Germany. Rhizomes presented by Armin K. Hummel, Hoefingen near Stuttgart. Received September 11, 1959.

260423 and 260424.

From the Panama Canal Zone. Seeds presented by the Summit Gardens, Balboa Heights. Received September 14, 1959.

260423. *BROWNEA MACROPHYLLA* Masters **Caesalpinaceae.****260424.** *PARMENTIERA CEREIFERA* Seem. **Bignoniaceae.****Candletree.****260425 to 260441.**

From Argentina and Bolivia. Seeds collected by Paul G. Smith, University of California, Davis. Received September 14, 1959.

260425. *CAPSICUM CARDENASII* Heiser & Smith **Solanaceae.**

Col. No. 406. 'Ulupica'. La Paz market, Bolivia. Fruit 0.5 inches in diameter, spherical, red.

260426 to 260433. *CAPSICUM CHACOENSE* Hunziker**260426 to 260429.** Argentina.**260426.** Col. No. 183. 'Puta Pario'.**260427.** Col. No. 184. Brushy grazing land, 20 miles north of Cordoba.**260428.** Col. No. 186. Zapallar area, near Coronel Moldes, Salta.**260429.** Col. No. 189. Brushy grazing land, 8-10 miles east of La Coche, Tucuman.**260430 to 260433.** Bolivia.**260430.** Col. No. 275. 'Arivivi'. Thorn brush pasture, Pulquina, near Comarapa.**260431.** Col. No. 277. 'Arivivi'. Thorn brush pasture, Pulquina, near Comarapa.**260432.** Col. No. 339. Villa Montes market.**260433.** Col. No. 340. Villa Montes Hotel.**260434.** *CAPSICUM MICROCARPUM* Car.

Col. No. 344. Palo Blanco, west of Villa Montes.

260435. *CAPSICUM CHACOENSE* Hunziker

Col. No. 345. Palo Blanco.

260436. *CAPSICUM* sp.

Col. No. 347. 'Arivivi'. Tarija market.

260437 and 260438. *CAPSICUM CHACOENSE* Hunziker**260437.** Col. No. 348. 'Arivivi'. Tarija market.**260438.** Col. No. 356. Sucre.

260425 to 260441—Continued**260439. CAPSICUM sp.**

Col. No. 357. 'Ulupica'. Sucre, Bolivia.

260440 and 260441. CAPSICUM EXIMIUM Hunziker**260440.** Col. No. 276. 'Ulupica'. Thorn brush pasture, Palquina, near Santa Cruz, Bolivia.**260441.** Col. No. 350. 'Ulupica'. Tarija market, Bolivia.**260442 to 260447.**

From Austria. Seeds collected by Elmo W. Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 15, 1959.

260442. ALLIUM ASCALONICUM L. Liliaceae.**Shallot.**

Col. No. D 175. Medicinal garden of Bayerische Staatliche Lehr-und Forschungsanstalt fur Gartenbau, Weihestephan bei, Freising.

260443. ALLIUM AMPELOPRASUM L.

Col. No. D 176. 'White Pearl'. Medicinal garden of Bayerische Staatliche Lehr-und Forschungsanstalt fur Gartenbau, Weihestephan bei, Freising. Bulbs small, used to make small pickled onions.

260444. ALLIUM ROTUNDUM L.

Col. No. D 151. Hortus Botanicus, Universitatia Vendobonensis, Rennweg.

260445. ALLIUM SATIVUM L.**Garlic.**

Col. No. D 150. Vienna market. Cloves medium size; white.

260446. ALLIUM sp.

Col. No. D 192. Near Spittal, Karnten. Flat leaf, divides at base.

260447. ALLIUM sp.

Col. No. D 92. No field note.

260448 to 260612.

From Argentina, Bolivia, Brazil and Peru. Seeds collected by Paul G. Smith, University of California, Davis, California. Collected March to June 1959.

260448 to 260456. CAPSICUM ANNUUM L. Solanaceae.**Pimento.**

From Argentina.

260448. Col. No. 181. Tucuman market. Fruit 2 by 1 inches, tapering, pointed, red.**260449 to 260456.** Instituto Nacional de Tecnologia Agropecuaria, Argentina.**260449.** Col. No. 187.**260450.** Col. No. 195. Fruit 0.5 by 0.75 inches long, cherry shape, red.**260451.** Col. No. 196. Fruit 5 by 1 inches, red.**260452.** Col. No. 197. Fruit 1 inch long, conic, red.**260453.** Col. No. 198. Fruit 6 by 7 inches, slender, red.**260454.** Col. No. 199. Fruit 4 inches long, conic, red.**260455.** Col. No. 200. Fruit 3 by 1.5 inches long, blunt, red.**260456.** Col. No. 201. Fruit 2 inches long, tomato-shaped, red, sweet. Typical "paprika" from Spain.**260457. CAPSICUM PENDULUM Willd.**

Col. No. 202. Fruit about 1.25 inches in diameter, tomato-shaped, red, sweet.

260448 to 260612—Continued**260458 and 260459. CAPSICUM FRUTESCENS L.****Redpepper.**

Belo Horizonte market, Brazil. Said to come from northern part of Minas Gerais.

260458. Col. No. 214. 'Malagueta'. Fruit 0.75 to 0.25 inches long, pointed, red.

260459. Col. No. 218. 'Malagueta'. Fruit 1 inch long, slender, red. From Peru.

260460. CAPSICUM sp.

Col. No. 229. Tarma market. Said to be from Chanchomaya Valley, San Ramon. Fruit mixture of various shapes, red.

260461 to 260463. CAPSICUM PENDULUM Willd.

260461. Col. No. 230. Tarma market. Said to be from San Ramon area. Fruit 1.25 inches long, pointed, heart shape, red.

260462. Col. No. 231. Tarma market. Said to be from San Ramon area. Fruit 1.5 inches long, slender, red.

260463. Col. No. 232. Tarma market. Said to be from San Ramon area. Fruit 3 inches long, slender, red.

260464 to 260477. CAPSICUM SINENSE L.

260464. Col. No. 233. San Rafael market. Fruit 3 inches long, slender, yellow.

260465. Col. No. 234. San Rafael market. Fruit 3.5 inches long, red; flesh thick.

260466. Col. No. 236. Huanuco market. Fruit 1 inch long, nearly spherical, brown, rough.

260467. Col. No. 237. Huanuco market. Fruit to 4 inches long, slender, yellow.

260468. Col. No. 238. Huanuco market. Fruit to 3 inches long, slender, red.

260469. Col. No. 239. Small farm about 20 miles south of Tingo Maria. Fruit 1.25 by 0.5 inch long, red, rough.

260470. Col. No. 240. Small farm about 20 miles south of Tingo Maria. Fruit 1.25 by 0.5 inch long, top-shaped, red, rough.

260471. Col. No. 241. Small farm about 20 miles south of Tingo Maria. Fruit 3 by 1 inches long, pointed, yellow.

260472. Col. No. 242. Small farm about 20 miles south of Tingo Maria. Fruit 1 inch wide by 0.75 inches long, flattened; yellow.

260473. Col. No. 243. State Tourist Hotel grounds, Tingo Maria. Fruit 1 by 0.75 inches long, round pointed, with soft flesh gene; red.

260474. Col. No. 244. State Tourist Hotel grounds, Tingo Maria. Fruit 1 inch long, top-shaped; yellow.

260475. Col. No. 245. State Tourist Hotel grounds, Tingo Maria. Fruit 3 by 1 inches long, pointed; red.

260476. Col. No. 246. Coffee plantation, 10 miles north of Tingo Maria. Fruit 4 by 0.75 inches long; red deep.

260477. Col. No. 247. Coffee plantation, 10 miles north of Tingo Maria. Fruit 2.5 by 0.75 inches long; yellow.

260478 to 260481. CAPSICUM FRUTESCENS L.**Redpepper.**

260478. Col. No. 252. 'Aji Chuncho'. Yard 5 miles west San Ramon, Juniu province. Fruit 0.65 inches long, slender; red. Typical uncultivated form.

260448 to 260612—Continued**260478 to 260481—Continued**

260479. Col. No. 253. 'Aji Chuncho'. Yard 0.5 mile east San Ramon, Juniu province. Fruit 0.65 inch long, slender; red. Typical uncultivated form.

260480. Col. No. 254. 'Aji Chuncho'. Five miles east San Ramon. Fruit 0.65 inch long, slender; red. Typical uncultivated form.

260481. Col. No. 255. 'Aji Chuncho'. Fruit 0.65 inch long, slender; red. Typical uncultivated form.

260482 to 260486. CAPSICUM SINENSE L.

260482. Col. No. 259. Yard 18 miles north San Ramon, Juniu province. Fruit 1 by 0.75 inches long, small pear-shaped, red.

260483. Col. No. 260. Yard 18 miles north San Ramon, Juniu province. Fruit 1.5 by 1 inches long, top-shaped, red.

260484. Col. No. 261. Entrance to Perene colony, Juniu province. Fruit 0.75 by 0.75 inch long, small top-shaped; red.

260485 and 260486. From Bolivia.

260485. Col. No. 292. 'Locoto'. Warnes, 20 miles north Santa Cruz. Fruit 2.5 inches long, plum-shaped, red; thick, flesh.

260486. Col. No. 306. 'Portachuela'. Yard about 54 miles northwest Santa Cruz.

260487. CAPSICUM FRUTESCENS L.**Redpepper.**

Col. No. 307. Yard near Palometillo, 50 miles northwest of Santa Cruz. Fruit 0.65 inch elongated.

260488. CAPSICUM ANNUUM L.**Pimento.**

Col. No. 308. Yard near Palometillo, 50 miles northwest of Santa Cruz. Fruit slightly larger than P.I. 260487.

260489 and 260490. CAPSICUM FRUTESCENS L.**Redpepper.**

260489. Col. No. 311. Buena Vista, 54 miles northwest of Santa Cruz. Fruit 0.65 inch long, slender; red.

260490. Col. No. 312. Buena Vista, 54 miles northwest of Santa Cruz. Fruit 1 by 1.5 inches long, slender red.

260491 to 260493. CAPSICUM SINENSE L.

260491. Col. No. 313. Buena Vista, 54 miles northwest of Santa Cruz. Fruit 1 by 1.5 inches long, spherical, red; rough.

260492. Col. No. 318. Cochabamba market. Fruit 3 by 1 inch, red; thick fleshed.

260493. Col. No. 319. Cochabamba market. Fruit 2.5 by 0.75 inch long, yellow.

260494. CAPSICUM FRUTESCENS L.**Redpepper.**

Col. No. 360. Puente Villa, 62 miles north east of La Paz. Fruit 0.65 inch long, slender; red.

260495 to 260530. From Peru. June 1959.**260495. CAPSICUM SINENSE L.**

Col. No. 368. 'Charpita' or 'Charapilla'. Iquitos market. Fruit 0.25 inch, spherical, red; soft flesh.

260496 and 260497. CAPSICUM FRUTESCENS L.**Redpepper.**

260496. Col. No. 364. 'Malagueta'. Yard 2.5 miles north Iquitos, road to Rio Nanay. Fruit 0.65 inch long, red.

260497. Col. No. 365. 'Malagueta'. Iquitos market. Fruit 0.65 inch long, slender, red.

260448 to 260612—Continued

260495 to 260530—Continued

260498 to 260504. *CAPSICUM SINENSE* L.

260498. Col. No. 366. 'Charapita' or 'Charapilla'. Iquitos market. Fruit 0.25 inch, spherical, red; soft flesh gene.

260499. Col. No. 367. 'Charapita' or 'Charapilla'. Iquitos market. Fruit 0.25 inch long, spherical, red; soft flesh gene.

260500. Col. No. 369. Garden on Padre Island, opposit Iquitos. Fruit 0.25 inch long, spherical, red; firm flesh gene.

260501. Col. No. 370. 'Charapita' or 'Charapilla'. Iquitos market. Fruit 0.25 inch long, yellow; flesh firm.

260502. Col. No. 371. Iquitos market. Fruit 0.25 inch, yellow; flesh firm.

260503. Col. No. 372. Small farm 2 miles north Iquitos, road to Rio Nanay. Fruit 0.25 inch long, yellow; flesh firm.

260504. Col. No. 373. Small farm, 3 miles north of Iquitos, road to Rio Nanay. Fruit 0.25 inch, yellow; flesh firm.

260505. *CAPSICUM FRUTESCENS* L.

Redpepper.

Col. No. 374. 'Malagueta'. Tarapoto. Several locations in town. Fruit 0.65 inch long, slender, red.

260506. *CAPSICUM PENDULUM* Willd.

Col. No. 376. 'Ayuyu'. Iquitos market. Fruit 1 by 0.75 inches long, rounded top-shaped, red.

260507 to 260526. *CAPSICUM SINENSE* L.

260507. Col. No. 377. 'Malagueta'. Small farm 2.5 miles north of town on road to Rio Nanay. Fruit 1.5 by 0.65 inches long, orange-yellow; very irregular.

260508. Col. No. 378. 'Misquiicho Pequeno'. Iquitos garden. Fruit 0.75 by 0.25 inches, tapering to both ends; red.

260509. Col. No. 379. 'Misquiicho Grande'. Iquitos garden. Fruit 2.5 by 1 inch, red, irregular.

260510. Col. No. 384. 'Misquiicho'. Iquitos market.

260511. Col. No. 380. Iquitos yard, end of Rio Nanay road. Fruit 0.75 by 0.25 inch, tapering, red; flesh firm.

260512. Col. No. 381. Iquitos garden. Fruit 2 inches long, slender, tapering, red.

260513. Col. No. 382. 'Aji Dulce'. Iquitos market and gardens. Fruit 1.5 inches long, 2 inches wide, rough and corrugated, red. Common pepper in area.

260514. Col. No. 383. 'Misquiicho'. Granja Experimental SCIPA, 3 miles south Iquitos. Fruit 1.5 inches, tapering to both ends, red.

260515. Col. No. 385. Iquitos garden. Fruit 0.5 inch long, top-shaped, red.

260516. Col. No. 386. 'Pucumaicho'. Iquitosmarket. Similar to P.I. 260507.

260517. Col. No. 387. 'Misquiicho'. Iquitos market. Fruit 1.25 by 0.25 inches, slender, red.

260518. Col. No. 388. 'Misquiicho'. Iquitos garden. Fruit 1 inch long, double tapering, red.

260519. Col. No. 390. Tarapoto yard. Fruit 1.5 inches long, rough, top-shaped, red.

260448 to 260612—Continued**260495 to 260530—Continued****260507 to 260526—Continued**

260520. Col. No. 395. Puerto Maldonado market. Fruit 2.5 by 3 inches, slender, red.

260521. Col. No. 396. Puerto Maldonado market. Fruit 4 by 1 inch, yellow.

260522. Col. No. 397. Puerto Maldonado market. Fruit 1.25 inches, slender top-shaped, red.

260523. Col. No. 398. Puerto Maldonado garden. Fruit 4 by 1 inch, rough, pointed, red.

260524. Col. No. 399. Puerto Maldonado yard. Fruit 1.5 by 1 inches, rugose, red.

260525. Col. No. 400. Puerto Maldonado yard. Fruit 2.5 by 1 inches, orange.

260526. Col. No. 401. Puerto Maldonado yard. Fruit 1 by 1.5 inches, flesh soft, medium thick.

260527. CAPSICUM FRUTESCENS L.**Redpepper.**

Col. No. 402. Puerto Maldonado yard. Fruit 1 inch, tapering, soft flesh gene, red.

260528. CAPSICUM SINENSE L.

Col. No. 403. 'Rocoto'. Puerto Maldonado yard. Fruit 2.5 by 0.75 inches, flesh thick, red.

260529 and 260530. CAPSICUM FRUTESCENS L.**Redpepper.**

260529. Col. No. 404. 'Malagueta'. Puerto Maldonado yard. Fruit 0.65 inches, slender, red.

260530. Col. No. 405. 'Malagueta'. Yard 3 miles west of Puerto Maldonado. Fruit 0.65 inch long, slender, red.

260531. CAPSICUM ANNUM L.**Pimento.**

Col. No. 408. 'Magidas Cruzes 1-2-199'. Instituto Agronomico, Campinas, Brazil. Sweet bell pepper.

260532. CAPSICUM SINENSE L.

Col. No. 411. Cultivated in field at Km. 50 southeast of Luria in Lurin Valley, Peru. Fruit to 5 inches long, pointed or blunt, brown.

260533. CAPSICUM MICROCARPUM Cav. Solanaceae.

Col. No. 205. Weed in cornfield 35 miles north of Porto Alegre, La Jeadinho district, Brazil.

260534 to 260552. CAPSICUM PENDULUM Willd. Solanaceae.**260534 to 260540. From Argentina.**

260534. Col. No. 182. 'Pimento Para Vinagre'. Tucuman market. Fruit to 5 inches long, slender, fairly smooth. Sold in mature green stage for pickles.

260535. Col. No. 188. 'Aji Picante'. Stock from INTA Station, Coronel Moldes, Salta.

260536. Col. No. 190. Selection #1231, INTA Station, Coronel Moldes, Salta. Grown by Indians in Calchaqui Valley.

260537. Col. No. 191. Home garden, 9 miles east of La Coche, Tucuman province. Fruit 2.5 inches long, slender, red.

260538. Col. No. 192. Stock #1236, INTA Station, Coronel Moldes, Salta. Seed from Calchaqui Valley.

260448 to 260612—Continued**260534 to 260552—Continued****260534 to 260540—Continued**

- 260539.** Col. No. 193. Stock #1238, INTA Station, Coronel Moldes, Salta. Fruit 6 inches, fairly smooth, red.
- 260540.** Col. No. 194. Stock #1242, INTA Station, Coronel Moldes, Salta. Fruit 6 inches, slender, irregular, red.
- 260541.** Col. No. 208. 'Malagueta'. Porto Alegre market, Brazil. Fruit 2.5 by 0.5 inches, slender, red.
- 260542.** Col. No. 209. 'Malagueta'. Porto Alegre market, Brazil. Fruit 2.75 by 0.75 inches, pointed, red.
- 260543.** Col. No. 210. 'Malagueta'. Porto Alegre market, Brazil. Fruit 1.25 by 0.72 inches, red.
- 260544.** Col. No. 211. 'Malagueta'. Yard 35 miles north Porto Alegre, La Jeadinho district, Brazil. Fruit 1.75 to 0.75 inches long, pointed, red.
- 260545.** Col. No. 212. 'Malagueta'. Store near San Francisco de Paula, Brazil. Fruit 1.25 inches long by 2 inches wide, more or less turban-shaped, much distorted, red.
- 260546.** Col. No. 213. 'Malagueta'. Store near San Francisco de Paula, Brazil. Fruit 0.75 inches long, rough, spherical.
- 260547.** Col. No. 219. 'Dedo de Moca' or 'Girls Finger'. Yard, Vicos, Minas Gerais, Brazil. Fruit 1.75 inches long, slender, pointed, red.
- 260548.** Col. No. 223. 'Pitanga'. Yard, Vicos, Minas Gerais, Brazil. Fruit small, truncate, conic, red.
- 260549 to 260552.** From Peru. Collected April 1959.
- 260549.** Col. No. 248. Coffee plantation, 10 miles north of Tingo Maria. Fruit 0.65 inches long, slender, top-shaped, red.
- 260550.** Col. No. 249. 'Aji Chivato'. Two miles south of Oxapampa, Department of Pasco. Fruit 0.65 inches long, oval, red, with soft flesh gene.
- 260551.** Col. No. 250. Yard 1.5 miles south of Oxapampa. Fruit 0.65 by 0.75 inches long, oval, with soft flesh gene. Similar to P.I. 260550.
- 260552.** Col. No. 251. Yard 2 miles south of Huancabamba. Same as P.I. 260550 and 260551.

260553. CAPSICUM sp.

Col. No. 258. Yard 17 miles north San Ramon, Peru. Fruit 3 by 1.25 inches, pointed, rough, red.

260554 to 260556. CAPSICUM PENDULUM Willd.

- 260554.** Col. No. 256. Yard 11 miles north of San Ramon, Peru. Fruit 2 by 0.75 inches, pointed; red.
- 260555.** Col. No. 257. Yard 11 miles north of San Ramon. Fruit 1 by 0.75 inches, top-shaped; yellow.
- 260556.** Col. No. 262. Yard 11 miles north of San Ramon. Fruit 2.5 by 0.5 inches, slender; red.

260557 and 260558. CAPSICUM SINENSE L.

- 260557.** Col. No. 263. Yard 11 miles north of San Ramon. Fruit 2 by 1.5 inches, blunt, heart shaped; red.
- 260558.** Col. No. 264. Same as P.I. 260484. Fruit 1.5 by 1.5 inches, top-shaped; red.

260448 to 260612—Continued

260559 to 260589. From Bolivia.

260559 to 260564. *CAPSICUM PENDULUM* Willd.

260559. Col. No. 278. Trigal yard, south of highway between Comarapa and Samaipata, Department of Santa Cruz. Fruit 4 inches long; red.

260560. Col. No. 279. Trigal yard, south of highway between Camarapa and Samaipata, Department of Santa Cruz. Fruit 3.5 inches long, slender; yellow.

260561. Col. No. 280. Pampa Grande store, Cochabamba highway, Department Santa Cruz. Fruit 5 to 7 inches long, slender, red.

260562. Col. No. 289. Yard 22 miles west of Santa Cruz. Fruit 4 inches long, medium slender; red.

260563. Col. No. 291. Warnes, 21 miles north of Santa Cruz. Fruit 2.5 inches, slender; yellow.

260564. Col. No. 294. From Servicio Agrícola Inter-Americano (SAI) livestock station, 31 miles north of Santa Cruz. Fruit 2.5 inches long, slender; red.

260565. *CAPSICUM* sp.

Col. No. 295. From Hacienda near Saavedra, 38 miles north of Santa Cruz. Fruit 3.5 inches long, pointed; red.

260566 to 260576. *CAPSICUM PENDULUM* Willd.

260566. Col. No. 299. Near Saavedra, 38 miles north of Santa Cruz. Fruit to 7 inches long, slender; red.

260567. Col. No. 300. Near Saavedra, 38 miles north of Santa Cruz. Fruit 4 inches long, yellow.

260568. Col. No. 301. Hacienda near Saavedra, 38 miles north of Santa Cruz. Fruit to 3.5 inches long, orange.

260569. Col. No. 302. Hacienda near Saavedra, 38 miles north of Santa Cruz. Fruit 2.5 inches long, yellow.

260570. Col. No. 303. Hacienda near Saavedra, 38 miles north of Santa Cruz. Fruit 3 inches long, slender, red.

260571. Col. No. 304. Hacienda near Saavedra, about 38 miles north of Santa Cruz. Fruit to 6 inches long, slender, brown.

260572. Col. No. 305. 'Portachuela'. Yard, 49 miles northwest of Santa Cruz. Fruit 1 inch long, red, with soft flesh gene.

260573. Col. No. 309. Palometilla, 44 miles northwest of Santa Cruz. Fruit 3 inches long, slender, yellow.

260574. Col. No. 310. Palometilla, 44 miles northwest of Santa Cruz. Fruit less than 1 inch long, small spherical to top-shaped, red.

260575. Col. No. 315. Buena Vista. Fruit to 1.5 inches long, slender, red.

260576. Col. No. 316. Buena Vista. Fruit 2.5 inches long, slender, red.

260577. *CAPSICUM SINENSE* L.

Col. No. 317. Buena Vista. Fruit 3 inches long, pointed, red.

260578 to 260593. *CAPSICUM PENDULUM* Willd.

260578. Col. No. 322. Padilla yard, east of Sucre. Fruit 4 inches long, red.

260579. Col. No. 323. Padilla market. Fruit yellow.

260580. Col. No. 324. Padilla market. Fruit to 5 inches long, red.

260581. Col. No. 331. Yard, 17 miles north of Camiri. Fruit 2 inches long, slender, red and yellow colors mixed.

260448 to 260612—Continued**260559 to 260589—Continued****260578 to 260593—Continued**

260582. Col. No. 332. Camiri market. Said to be from Muypampa (Vaca Guzman) area.

260583. Col. No. 335. Villa Montes market. Fruit 5 inches long, slender.

260584. Col. No. 343. Villa Montes hotel.

260585. Col. No. 346. 'Kovinchu'. Entre Rios store, east of Tarija. Fruit 7 inches long, medium slender, red.

260586. Col. No. 352. Tarija market. Fruit 3.5 inches long, slender, orange.

260587. Col. No. 353. Tarija market. Fruit 3 inches long, yellow.

260588. Col. No. 354. Tarija market. Fruit 6 inches long, red, medium thick.

260589. Col. No. 355. Tarija market. Fruit 3.5 inches long, red.

260590. Col. No. 389. 'Chayua Ruso'. Iquitos garden, Peru. Fruit 3 by 50. inches, moderate-smooth, slender, red.

From Brazil.

260591. Col. No. 407. Belo Horizonte market. Fruit 1 inch long, truncate, top-shaped, red.

260592. Col. No. 409. Comun I. 1.158. Instituto Agronomico, Campinas.

260593. Col. No. 410. 'Malagueta I-2.723'. Instituto Agronomico, Campinas.

260594 to 260596. CAPSICUM PRAETERMISSUM Heiser & Smith

From Brazil.

260594. Col. No. 220. 'Combari'. Vicoso, Minas Gerais. Fruit 0.65 inches long, oval, red.

260595. Col. No. 221. 'Goat Pepper'. From Bot. Gdn. School of Agr., Vicoso, Minas Gerais. Fruit 0.25 inches long, spherical, red.

260596. Vol. No. 222. From Bot. Gdn. School of Agr., Vicoso, Minas Gerais. Fruit spherical, smaller than PI 260595.

260597 to 269609. CAPSICUM PUBESCENS Ruiz. & Pav.

From Peru.

260597. Col. No. 225. Farm 3 miles west of Tarma. Fruit 3 by 1.25 inches, elongated, flattened, red.

260598. Col. No. 226. Tarma market. Fruit 3 by 1.25 inches, flattened, yellow.

260599. Col. No. 227. Tarma market. Fruit large, yellow.

260600. Col. No. 228. Tarma market. Fruit 2.5 by 2.5 inches, flat, red.

260601. Col. No. 235. Hacienda Vicheycocho, 7 miles south of Huanuco. Fruit mixture of shapes, red.

260602. Col. No. 265. Yard 2 miles south of Oxapampa, Department of Pasco. Fruit 3.5 by 2.5 inches, irregular, yellow.

260603. Col. No. 226. 'Aji Chuncho'. Entrance to Perene colony, Tarma-Oxapampa road. Fruit 2 by 1.25 inches long, heart shaped, slender, red; smooth.

From Bolivia.

260604. Col. No. 282. 'Locoto'. Yard near Samaipata, Dept. Santa Cruz. Fruit 1.25 inches, oval, red.

260448 to 260612—Continued**260597 to 269609—Continued**

260605. Col. No. 283. 'Locoto'. Yard near Samaipata, Dept. Santa Cruz. Fruit 2.5 by 1 inches, elongate, red.

260606. Col. No. 284. 'Locoto'. Yard near Samaipata, Dept. Santa Cruz. Fruit 1 inch, oval, red.

260607. Col. No. 288. 'Locoto'. Yard, Bermejo, 49 miles west of Santa Cruz. Fruit 1 inch to 1.5 inches long, small, pear-shaped, red.

260608. Col. No. 320. Sucre hotel grounds. Fruit 2 by 2 inches, flattened, orange-yellow.

260609. Col. No. 359. Road to Chulumani, 36 miles northeast of La Paz. Fruit 1.5 inches long, oval, red.

260610. CAPSICUM SINENSE L.

Col. No. 298. From hacienda near Saavedra, 38 miles north of Santa Cruz. Fruit 3 by 1 inch, pointed, red.

From Brazil.

260611. CAPSICUM ANNUUM L.

Col. No. 215. 'Combari'. Belo Horizonte market. Fruit 0.65 inches, pointed, spherical, red.

260612. CAPSICUM sp.

Col. No. 216. 'Combari'. Belo Horizonte market.

260613 IPOMOEA BATATAS (L.) Lam. Convolvulaceae. Sweetpotato.

From Brazil. Tubers presented by the Escola Superior de Agricultura, Lavras, Minas Gerais. Received Sept. 17, 1959.

260614 ZEA MAYS L. Poaceae.

Corn.

From Kenya. Seeds presented by the Plant Breeding Station, Njoro. Received September 17, 1959.

'Kitale Maize Synthetic II'.

260615. PRUNUS ILICIFOLIA (Nutt.) Walp. Amygdalaceae.

Hollyleaf cherry.

From California. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 21, 1959.

Col. No. 17793. 'Jacumba'. Evergreen ornamental shrub.

260616. AVENA SATIVA L. Poaceae.

Common oats.

From Brazil. Seeds presented by the Instituto Agronomico do Sul, Pelotas, Rio Grande do Sul. Received September 21, 1959.

'Amarela 5282 FB 32'.

260617 to 260642.

From India. Seeds presented by the Division of Botany, Indian Agricultural Research Institute, New Delhi. Received September 21, 1959.

260217 to 260638. CARTHAMUS TINCTORIUS L. Asteraceae.

Safflower.

260617. S.F. 1.

260623. S.F. 18.

260618. S.F. 4.

260624. S.F. 21.

260619. S.F. 5.

260625. S.F. 23.

260620. S.F. 12.

260626. S.F. 26.

260621. S.F. 13.

260627. S.F. 29.

260622. S.F. 14.

260628. S.F. 30.

260617 to 260642—Continued**260217 to 260638—Continued**

- | | |
|--|---------------------------|
| 260629. 61-14. | 260634. 6. |
| 260630. 'Kopargaon 51-21-20'. | 260635. A-300. |
| 260631. 51-13-10. | 260636. 'Jawargi-3'. |
| 260632. 'Indi-490'. | 260637. N-62-8. |
| 260633. N-630. | 260638. 'Osamanabad 4-5'. |
| 260639. <i>DIGITARIA SANGUINALIS</i> (L). Scop. Poaceae. Hairy crabgrass. | |
| EC 9716. | |
| 260640. <i>DIGITARIA ISCHAEMUM</i> (Schreb.) Muhl. | Smooth crabgrass. |
| EC 8903. | |
| 260641. <i>DIGITARIA</i> sp. | |
| EC 2141. | |
| 260642. <i>INDIGOFERA TINCTORIA</i> L. Fabaceae. | True indigo. |
| L.W. 171. | |

260643 to 260645.

From the Island of Reunion. Seeds presented by the Services Agricoles de la Reunion. Received Sept. 21, 1959.

- | | |
|--|------------------------|
| 260643. <i>COFFEA ARABICA</i> L. Rubiaceae. | Arabian coffee. |
| 260644. <i>COFFEA ARABICA</i> var. <i>LAURINA</i> Cramer | |
| 260645. <i>COFFEA ARABICA</i> var. <i>MURTA</i> Cramer | |

260646 to 260648.

From Greece. Seeds collected by Father Kleme, Mount Athos area. Received September 21, 1959.

- | | |
|--|---------------------------|
| 260646. <i>TRIFOLIUM CAMPESTRE</i> Schreb. Fabaceae. | Large hopclover. |
| 'Robustis'. | |
| 260647. <i>TRIFOLIUM REPENS</i> L. | Whiteclover. |
| 'Sylvestre'. | |
| 260648. <i>TRIFOLIUM FRAGIFERUM</i> L. | Strawberry clover. |
| 'Athos'. | |

260649 to 260653.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Sept. 21, 1959.

- | | |
|--|-------------------|
| 260649 to 260651. <i>CUCUMIS MELO</i> L. Cucurbitaceae. | Muskmelon. |
| 260649. Col. No. 1219. 'Arbakesha'. From Central Asia. A late summer type. (cf. var. <i>reticulatus</i>). | |
| 260650. Col. No. 3910. From Central Asia. A bush type. | |
| 260651. Col. No. 572. 'Takhmi'. From Afghanistan. Bush type. (cf. var. <i>reticulatus</i>). | |
| 260652. <i>CUCURBITA MAXIMA</i> Duchesne. Cucurbitaceae. | Squash. |
| Col. No. 2243. Bush type. From Mexico. | |
| 260653. <i>CUCURBITA PEPO</i> L. | Pumpkin. |
| Col. No. 2782. 'Dnepropetrovsk'. From the Ukraine. A bush type. | |

260654 and 260655.

From Germany. Plants collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 21, 1959.

260654. *SEMPERVIVUM SCHLEHANI* Schott. Crassulaceae.

Col. No. 6972. 'Rubrifolium'. George Arends Nursery, Wuppertal, Ronsdorf.

Plant densely tufted; leaves green at the top, dark reddish at the base.

260655. *SEMPERVIVUM* (hybrid).

Col. No. 6971. 'Rubin'. George Arends Nursery, Wuppertal, Ronsdorf.

Plant densely tufted, succulent; leaves dark red; flowers pink.

260656. SACCHARUM OFFICINARUM L. Poaceae. Sugarcane.

From the British West Indies. Cuttings presented by the Sugar Manufacturers Association, Jamaica. Received Sept. 22, 1959.

Grown at Clarendon.

260657. SACCHARUM (hybrid). Poaceae. Sugarcane.

From Australia. Cuttings presented by the Bureau of Sugar Experiments, Gordonvale, Cairns, Queensland. Received Sept. 22, 1959.

57 NG-79.

260658. SACCHARUM (hybrid). Sugarcane.

From Mexico. Cuttings presented by A. Gonzalez Gallardo, Zacatepec, Morelos. Received Sept. 22, 1959.

C.P. 29/203.

260659 to 260662. ORYZA SATIVA L. Poaceae. Rice.

From the Philippines. Seeds presented by the Bureau Plant Industry, Manila. Received September 23, 1959.

From the Maligaya Experiment Station, Munoz, Nueva Ecija, Luzon.

260659. 'Milbuen No. 3'.

260660. 'Milfor 6 (2)'.

260661. 'Milketan No. 20'.

260662. 'Milketan No. 21'.

260663 to 260689. BETA VULGARIS L. Chenopodiaceae.**Common beet.**

From Denmark. Seeds collected by Dewey Stewart, Tobacco and Sugar Crops Research Branch, Sugar Beet Section, Beltsville, Md. Received Sept. 23, 1959.

Collected at Kalundborg.

260663. K 1.

260673. K 11.

260664. K 2.

260674. K 12.

260665. K 3.

260675. K 13. Monogerm-Digerm.

260666. K 4.

260676. K-14. Seed red.

260667. K 5.

260677. K 15. Cluney.

260668. K 6.

260678. K 16.

260669. K 7.

260679. K 17.

260670. K 8.

260680. K 18.

260671. K 9.

260681. K 19.

260672. K 10.

260682. K 20.

260663 to 260689—Continued**260683.** No. 1.**260687.** No. 5.**260684.** No. 2.**260688.** No. 6.**260685.** No. 3.**260689.** No. 7.**260686.** No. 4.**260690. SOLANUM sp. Solanaceae.**

From Peru. Tubers intercepted by Quarantine Officials at Port of Entry, San Francisco, California. Received Sept. 24, 1959.

260691. DIOSCOREA BULBIFERA L. Dioscoreaceae. Airpotato.

From Ethiopia. Tubers presented by the Jimma Agricultural Technical School, Jimma. Received Sept. 24, 1959.

260692 and 260693. LOTUS CORNICULATUS L. Fabaceae. Birdsfoot trefoil.

From Italy. Seeds presented by the Instituto di Agronomia della Universita di Perugia, Perugia. Received Sept. 24, 1959.

260692. No. 1. Central Italy.**260693.** No. 3. Central Italy.**260694. MYRCIARIA GLOMERATA Berg. Myrtaceae.**

From Brazil. Seeds presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Sept. 24, 1959.

260695. QUERCUS PONTICA C. Koch. Fagaceae.

From the Netherlands. Seeds collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 24, 1959.

Col. No. 6514. Trompenburg Arboretum, Rotterdam. Multistemmed, densely branched, deciduous shrub to 12 feet high.

260696. DISA UNIFLORA Berg. Orchidaceae. Orchid.

From the Union of South Africa. Seeds presented by the Botanical Garden, Stellenbosch. Received Sept. 24, 1959.

260697 to 260699.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Sept. 25, 1959.

260697. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

Col. No. 945-1 Guadalajara market.

260698. SOLANUM sp. Solanaceae.

Col. No. 17720.

260699. HYMENOCALLIS SONORENSIS Standl. Amaryllidaceae.

Col. No. 101. Chorijsa, Sonora.

260700 and 260701. GOSSYPIUM (hybrids). Malvaceae. Cotton.

From Brazil. Seeds presented by the Foreign Agricultural Service, Washington, D.C. Received Sept. 28, 1959.

260700. C.B. 3276. Fazenda Sao Miguel, State of Rio Grande do Norte.

260701. C.B. 3277. Fazenda "Vazante Grande", 65 km. southwest of Fortaleza, State of Ceara.

260702. PUCCINELLIA MARITIMA Parl. Poaceae.

From Germany. Plants collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received September 28, 1959.

Col. No. 7032. Nordstrand Island, Hallig Group, North Friesland, Schesweg, Holstein. Evergreen perennial, 40 cm. high. Adapted to salt marshes and brackish shores. Heavily grazed by sheep; stays green year round.

260703 to 260716.

From Mexico. Plants collected by H. E. Moore, Jr., Cornell University, Ithaca, New York. Received Sept. 28, 1959.

Collected September 1959.

260703. ACHIMENES GRANDIFLORA Gesneriaceae.

Col. No. 8013. Tufa boulder in spray of waterfall El Salto beyond Meco, San Luis Potosi. Herb; leaves bullate, light green; flowers magenta to lilac.

260704. ARBUTUS sp. Ericaceae.

Col. No. 8019. El Chico National Park, Real del Monte, Hidalgo. Elevation 9,000 feet. Small tree; bark flaking pale brown.

260705. ARCTOSTAPHYLOS sp. Ericaceae.

Col. No. 8016. 'Manzanilla'. Thin limestone slopes, La Placita, between Jacala and Zimapan, Hidalgo. Elevation 5,000 feet. Shrub; leaves dark green; fruit purple-black, rough, ornamental.

260706. BAUHINIA COULTERI Macbr. Caesalpiniaceae.

Col. No. 8014. Limestone ledges, La Placita, between Jacala and Zimapan, Hidalgo. Compact low spreading shrub; leaves small, dark green; flowers large, cream-colored.

260707. CASSIA sp. Caesalpiniaceae.

Col. No. 8030. Rocky limestone hillsides, Jacala, Hidalgo. Tree to 12 feet high; flowers golden-yellow, abundant in spring.

260708. CLETHRA sp. Clethraceae.

Col. No. 8025. Limestone slopes, La Placita, between Jacala and Zimapan, Hidalgo. Elevation 5,000 feet. Small, evenly formed spreading tree; foliage glossy, deeply nerved.

260709. CORNUS sp. Cornaceae.

Col. No. 8029. Limestone slope with excellent drainage. La Placita, between Jacala and Zimapan, Hidalgo. Small much-branched; tree.

260710. HAUYA ELEGANS Moc. & Sesse. Onagraceae.

Col. No. 8040. Thin limestone slopes above Jacala, Hidalgo. Tree to 10 feet high; flowers pink, large.

260711. MASCAGNIA MACROPTERA Naz. Malpighiaceae.

Col. No. 8033. Lime rock slopes between Jacala and Escondido, Hidalgo. Vine; leaves glossy; flowers yellow; fruits winged.

260712. MONTANOA sp. Asteraceae.

Col. No. 8043. 'Margarita'. Cultivated at Jacala, Hidalgo. Much-branched shrub; flowers, double, white, numerous, chrysanthemum-like.

260713. SOLANDRA sp. Solanaceae.

Col. No. 8042. Puerto de la Zorra above Jacala, Hidalgo. Stout vine; flowers long, narrow, cream colored, lined with maroon.

260714. NEMASTYLIS sp. Iridaceae.

Col. No. 8034. Jacala, Hidalgo. Herb with pleated leaves.

260703 to 260716—Continued

260715. *VIBURNUM* sp. Caprifoliaceae.

Col. No. 8021. In oak woods on limestone, Minas Viejos, Hidalgo. Shrub to 6 feet high; drupes red and green.

260716. *GIGASIS KARWINSKYANA* (R. & S.) Rohw. Commelinaceae.

Col. No. 8002. Near Huisochol, road from Victoria Jaumaue, Tamps. Herb with ascending stems; bud pink.

260717. *VICTORIA REGIA* Lindl. Nymphaeaceae. **Victoria waterlily.**

From British Guiana. Plants presented by the Botanical Garden, Georgetown, Jemerara. Received Sept. 28, 1959.

260718. *SPARTINA TOWNSENDII* H. & J. Groves Poaceae.

From Great Britain. Plants presented by Dunns Farm Seeds, Ltd., Salisbury. Received Oct. 2, 1959.

Putative hybrid of *S. alterniflora* $\times$ *S. stricta*. Chromosome number appears to confirm the allopolyploid characteristics of the parentage. Originated at Southhampton. Extensive mud flats and marsh land have been reclaimed by the use of this species. Clonal propagation satisfactory. It is of interest in erosion control, grazing, and as a possible source of paper pulp.

260719 and 260720.

From Thailand. Seeds presented by Garland Bare, Missionary, Pau, Nan Province. Received Oct. 5, 1959.

260719. *PRUNUS PERSICA* (L.) Batsch Amygdalaceae.

Peach.

Fruit round with sharp projection, 1.8 to 2 inches in diameter, flesh white, skin to 50 percent blush. Best native variety.

260720. *RUBUS* sp. Rosaceae.

Wild red raspberry; flavor sweet-acid. Ripens May to July.

260721 to 260724.

From Germany. Seeds collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 5, 1959.

260721. *FRAXINUS SPAETHIANA* Lingels. Oleaceae.

Col. No. 7102. Wilhelmshohe park, Kassel. Tree to 30 feet high; buds very prominent; petiole base inflated.

260722. *PYRUS COMMUNIS* L. Malaceae.

Common pear.

Col. No. 7122. Forest Garden, Hann.-Munden, Niedersachsen. Tree to 40 feet high; fruit to two inches across.

260723. *QUERCUS CERRIS* L. Fagaceae.

Col. No. 7094. Wilhelmshohe park, Kassel. Tree to 70 feet high; leaves to 6 inches long, elliptic, dentate, lustrous.

260724. *QUERCUS HAAS* Kotschy

Col. No. 7042. Hamburg Botanic Garden, Hamburg. Tree to 40 feet high.

260725 and 260726. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Brazil. Cuttings presented by the Instituto Agronomico, Campinas, Sao Paulo. Received Oct. 5, 1959.

260725. C. B. 46/44.

260726. C. B. 49/15.

260727 and 260728.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Oct. 6, 1959.

260727 to 260728—Continued**260727.** *MALUS SYLVESTRIS* Mill. Malaceae.

Common apple.

'Beacon'.

260728. *MALUS* (hybrid).

Crabapple.

'Hopa'.

260729 and 260730.

From Mexico. Plants collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 7, 1959.

260729. *AGAVE* sp. Amaryllidaceae.

Col. No. 17858. 'Pelon'. Cerrito del Lopez, 35 miles northwest of Hermosillo, Sonora.

260730. *AGAVE* sp.

Col. No. 17822. Bacachaca, Sierra de Alamos, Sonora. Small clustered rosettes; leaves turgid, rounded above and below, with broad pale median stripe and faint white brush marks.

260731 and 260732.

From Germany. Seeds collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 7, 1959.

Palmengarten, Frankfurt-am-Main.

260731. *DORSTENIA ARGENTEA* Hook. f. Moraceae.

Col. No. 7149. Leaves silvery in the center, green on margin.

260732. *NEPTUNIA PROSTRATA* (Lam.) Baill. Mimosaceae.

Col. No. 7150. Aquatic herb for shallow water; stems white, pithy, floating, aerial stems to three feet high; leaves sensitive; flowers yellow.

260733. *CITRULLUS LANATUS* (Thunb.) Mansf. Cucurbitaceae.

Watermelon.

From Sudan. Seeds presented by the United States Operations Mission, Khartoum. Received Oct. 12, 1959.

260734 *GOSSYPIUM* (hybrid). Malvaceae.

From Mozambique. Seeds presented by the Junta do Algodao Centro de Investigacao Cientifica Algodoeira, Lourenco Marques. Received Oct. 13, 1959.

260735 to 260738.

From Morocco. Seeds presented by the Institut des Fruits et Agrumes Coloniaux, Rabat. Received Oct. 12, 1959.

260735. *CITRUS AURANTIFOLIA* (Christm.) Swingle Rutaceae.

Lime.

From the Diademe Valley. Acid lime from the subspontaneous groves in the mountains. Fruits are rounder than the fruits growing in the coastal area.

260736. *CITRUS GRANDIS* (L.) Osbeck

Pummelo.

Trunks of the trees have to 6 feet perimeter.

260737. *CITRUS RETICULATA* Blanco

Mandarin orange.

Pirae Station, Tahiti, French Polynesia.

260738. *CITRUS SINENSIS* (L.) Osbeck

Sweet orange.

From the Diademe Valley.

260739 to 260742.

From India. Seeds presented by G. Ghose & Company, Townend, Darjeeling.
Received Oct. 13, 1959.

260739. *BETULA UTILIS* D. Don Betulaceae. Birch.

260740. *CALLISTEMON CITRINUS* (Curtis) Skeels Myrtaceae. Lemon bottlebrush.

260741. *EUCALYPTUS CITRIODORA* Hook. Myrtaceae.

260742. *SARCOCOCCA SALIGNA* (D. Don). Muell. Buxaceae.

260743 to 260746.

From France. Seeds collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 13, 1959.

260743 to 260745. Arboretum des Barres, Ecole Forestiere National Francaise, Nogent-sur-Vernisson.

260743. *ACER GROSSERI* Pax Aceraceae. Maple.

Col. No. 7227. 'Hersi'. Tree to 20 feet high; branches spreading to arching, bark smooth, green, striped white.

260744. *PLATYCARYA STROBILACEA* Sieb. & Zucc. Juglandaceae.

Col. No. 7199. Tree to 30 feet high; single trunk to 14 inches in diameter, bark gray, fissured; fruiting cones erect.

260745. *QUERCUS DENTATA* Thunb. Fagaceae. Daimyo oak.

Col. No. 7202. Wide, spreading, deciduous tree 50 feet high.

260746. *QUERCUS PETRAEA* (Mattuschka) L. ex Lieblen.

Col. No. 7185. Near Toul, road west of Nancy. Tree to 40 feet high; leaves larger than *Q. rubra*; acorns sessile.

260747 and 260748.

From Indonesia. Seeds presented by the Hortus Botanicus, Bogonensis, Bogor. Received Oct. 13, 1959.

260747. *FICUS MYSORENSIS* var. *PUBESCENS* (Roth) Hooker Moraceae.

260748. *FICUS GARCINIAEFOLIA* Miq.

260749. *ILEX CORNUTA* Lindl. & Paxt. Aquifoliaceae. Chinese holly.

From the United States. Obtained from residence of Clyve Jackson, College Park, Maryland. Numbered Oct. 13, 1959.

Tree compact, hardier than usual for the species; berries numerous, bright red, large.

260750. *MUSA ACUMINATA* Colla Musaceae.

From the Philippine Islands. Rhizome collected by the University of Philippines, College of Agriculture, Laguna, Luzon. Received Oct. 13, 1959.

Col. No. 2-7340. 'Saguing Machin'. Northern slopes, Mount Makiling, Laguna, Luzon. Elevation 1,050 feet. Pseudostem with dark brown blotches, none waxy, 18 feet long and 10 inches thick at base; peduncle pubescent; inflorescent subhorizontal with 22 hands and about 450 fingers.

260751 and 260752.

From the Island of Reunion. Seeds presented by the Services Agricoles de la Reunion. Received Oct. 13, 1959.

260751. *COFFEA MAURITIANA* Lam. Rubiaceae. Coffee.

260752. *MUSSAENDA LANDIA* Poir. Rubiaceae.

260753 to 260762.

From the United States. Seeds at the New Crops Research Plant Introduction Station, Ames, Iowa. Received Oct. 13, 1959.

260753. *MELILOTUS ALBA* Desr. Fabaceae.

White sweetclover.

Col. No. K. 277. From Cyprus. Annual to 12 inches high; flowers white. Separated from P.I. 206383.

260754 to 260757. *MELILOTUS INDICA* (L.) All. **Annual yellow sweetclover.**

260754. Col. No. R. 287. From Israel. Annual to 18 inches high; flowers yellow. Separated from P.I. 227001.

260755. Col. No. R. 308. From Turkey. Annual to 12 inches high; flowers small, yellow.

260756. Col. No. R. 310. From Turkey. Annual to 18 inches high; flowers small, yellow. Flowers later than P.I. 260755.

260757. Col. No. R. 291. From Portugal. Annual to 18 inches high; flowers small, yellow. Separated from P.I. 227003.

260758. *MELILOTUS SULCATA* Desf.

Sweetclover.

Col. No. R. 306. From Turkey. Annual; flowers yellow.

260759. *SCORPIURUS SULCATUS* L. Fabaceae.

Col. No. R. 315. From Portugal. Procumbent annual; flowers yellow; fruits relatively smooth, long. Separated from P.I. 249708.

260760 and 260761. *TRIFOLIUM LAPPACEUM* L. Fabaceae.

Lappa clover.

260760. Col. No. R. 351. From Turkey. Annual; flowers white.

260761. (No number). From Turkey. Annual to 10 inches high; flowers white.

260762. *TRIFOLIUM RESUPINATUM* L.

Persian clover.

No number. From Turkey. Annual to 10 inches high; flowers pink.

260763 to 260782. *BETA VULGARIS* L. Chenopodiaceae.

Common beet.

From Ireland. Seed presented by the Irish Sugar Co., Ltd., Thurles. Near Gyle's Quay, Dundalk. Received Oct. 14, 1959.

260763. No. 1.

260773. No. 11.

260764. No. 2.

260774. No. 12.

260765. No. 3.

260775. No. 13.

260766. No. 4.

260776. No. 14.

260767. No. 5.

260777. No. 15.

260768. No. 6.

260778. No. 16.

260769. No. 7.

260779. No. 17.

260770. No. 8.

260780. No. 18.

260771. No. 9.

260781. No. 19.

260772. No. 10.

260782. No. 20.

260783. *PANAX PSEUDOGINSENG* Wall. Araliaceae.

American ginseng.

From Korea. Seeds presented by Oh Sin-Keun, Seong Bug-Ku, Seoul. Received Oct. 14, 1959.

260784 to 260791. SACCHARUM (hybrids). Poaceae. Sugarcane.

From Brazil. Cuttings presented by the Instituto Agronomico do Nordeste, Curado, Recife, Pernambuco. Received Oct. 15, 1959.

260784. 'Falsa Cristalina'. **260788.** 'Palmeirinha'.

260785. IANE 46-11F. **260789.** POJ 161.

260786. IANE 46-162. **260790.** POJ 1507.

260787. IANE 46-186. **260791.** POJ 2947.

260792. SPARTINA TOWNSENDII H. & J. Groves Poaceae.

From Great Britain. Seeds presented by the Dunns Farm Seeds Ltd., Salisbury, England. Received Oct. 15, 1959.

Putative hybrid of *S. alterniflora* × *S. stricta*. Chromosome numbers appear to confirm the allopolyploid characteristics of the parentage. Originated at Southampton. Extensive mud flats and marsh land have been reclaimed by the use of this species. Clonal propagation satisfactory. It is of interest in erosion control, grazing, and as a possible paper pulp source.

260793 to 260795.

From France, Germany and the Netherlands. Bulbs and plants collected by Elmo W. Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 15, 1959.

260793. ALLIUM CEPA L. Liliaceae.

Onion.

Col. No. 197. 'Aggregatum'. Obtained from the Institute fur Gartnerische Pflanzenzuchtung, Herrenhausen, Hannover, Germany. Montreal, Canada. (Bulbs).

260794. ALLIUM SATIVUM L.

Garlic.

Col. No. 117. Market, Marseille, France. Cloves very large, pink. (Bulbs).

260795. ALLIUM SCHOENOPRASUM L.

Chive.

Col. No. 208. Van der Ploeg, Zwijndrecht, Rotterdam, Netherlands. Plants small, divide profusely; leaves round, hollow; seed stalk 1 ft. high; flowers purple. (Plants).

260796. HIBISCUS KITAIBELIFOLIUS St. Hil. Malvaceae.

From Brazil. Seeds presented by the Jardim Botânico do Rio de Janeiro. Received Oct. 16, 1959.

260797 to 260806.

From Egypt. Seeds presented by the Bahtim Experimental Station, Bahtim, Cairo. Received Oct. 19, 1959.

260797 to 260805. TRITICUM AESTIVUM L. Poaceae.

Common wheat.

Sister lines. Highly resistant to stem rust.

260797. 'Giza 135' × L. 1167/109; 1385/3331. Resistant to leaf rust.

260798. 'Giza 135' × L. 1167/109; 1385/3363. Resistant to leaf rust.

260799. 'Giza 135' × L. 1167/109; 1385/3373. Resistant to leaf rust.

260800. 'Giza 135' × L. 1167/109; 1385/3376. Resistant to leaf rust.

260801. 'Giza 135' × L. 1167/109; 1385/3378. Resistant to leaf rust.

260802. L. 1167/109 × 'Giza 135/2'; 1406/3661. Resistant to leaf rust.

260803. L. 1167/109 × 'Giza 135/2'; 1406/3363. Susceptible to leaf rust.

260804. L. 1167/109 × 'Giza 135/2'; 1406/3681. Resistant to leaf rust.

260805. L. 1167/109 × 'Giza 135/2'; 1406/3683. Susceptible to leaf rust.

260806. TRITICUM (hybrid)

L. 1167/109 × Na. 864; 1389/3478. Interspecific cross. Highly resistant to stem rust and leaf rust.

260807 to 260809.

From Australia. Seeds presented by George Spalding, Los Angeles State and County Arboretum, Arcadia, California. Received Oct. 19, 1959.

260807 and 260808. Bendigo, Victoria.

260807. *ACACIA HAKEOIDES* A. Cunn. ex Benth. Mimosaceae.
'Angustifolia'.

260808. *OLEARIA TERETIFOLIA* (Sond.) F. Muell. Asteraceae. **Daisytree.**

260809. *TELOPEA SPECIOSSISSIMA* (J.E. Smith) R. Br. Proteaceae.
Crimson waratah.

St. Ives, New South Wales.

260810. *BROMUS COMMUTATUS* Schrad. Poaceae.

From Iran. Seed collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Numbered Oct. 19, 1959.

Collected on southern plain of Lake Rezaieh, Azerbaijan. Separated from P. I. No. 229527. Good soil conservation grass as it reseeds readily.

260811 to 260815. *SACCHARUM* (hybrids). Poaceae. **Sugarcane.**

From Hawaii. Cuttings presented by the Hawaiian Sugar Planters Association, Honolulu. Received Oct. 19, 1959.

260811. 'Hemja'.

260814. 'Saipan 17'.

260812. H.Q. 409.

260815. 'Yellow Tip.'

260813. 'Rose Bamboo'.

260816 to 260819. *MUSA* sp. Musaceae.

From the Philippines. Rhizomes presented by the University of Philippines, College of Agriculture, Los Banos, Laguna, Luzon. Received Oct. 19, 1959.

260816. Col. No. 2-7343.

260818. Col. No. 2-7347.

260817. Col. No. 2-7344.

260819. Col. No. 2-7348.

260820. *IPOMOEA BATATAS* (L.) Lam. Convolvulaceae. **Sweetpotato.**

From Puerto Rico. Tubers presented by the Agricultural Experiment Station, Rio Piedras. Received Oct. 20, 1959.
'Cobre'.

260821 to 260880.

From Indonesia. Plants and cuttings collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 20, 1959.

Botanical Garden, Bogor.

260821. *AERVA SANGUINOLENTA* Blume. Amaranthaceae.

Col. No. LW-126.

260822. *AGLAONEMA COSTATUM* N.E. Br. Araceae.

Col. No. LW-101.

260823. *AGLAONEMA NOVOGUINEENSE* Engl.

Col. No. LW-119.

260824 and 260825. *AGLAONEMA SIMPLEX* Blume

260824. Col. No. LW-100. Shade plant.

260825. Col. No. LW-118.

260826. *ALPINIA SANDERAE* Sand. Zingiberaceae.

Col. No. LW-108.

260821 to 260880—Continued

260827. *AMOMUM FOETENS* K. Schum. Zingiberaceae.

Col. No. LW-113. High herb for shade.

260828. *AMOMUM MEGALOCHEILOS* Baker.

Col. No. LW-112. Leaves to 10 feet high; flowers borne from underground rhizomes on ground surface, red with yellow margins.

260829. *ANTHURIUM* × *MACROLOBIUM* Hort. Araceae.

Col. No. LW-98. Epiphyte.

260830. *ARUNDINA BAMBUSIFOLIA* (Roxb.) Lindl. Orchidaceae. **Orchid.**

Col. No. LW-127. Terrestrial orchid; flowers lilac, 3 inches across.

260831. *ASPLENIUM NIDUS* L. Polypodiaceae.

Col. No. LW-94. Epiphyte; fronds have tissue down to base of stipes.

260832. *ASPLENIUM* sp.

Col. No. LW-90. Epiphyte.

260833. *BOESENBERGIA PANDURATA* Schlechter. Zingiberaceae.

Col. No. LW-107.

260834. *CALADIUM PICTURATUM* C. Koch & Bouche. Araceae.

Col. No. LW-117.

260835. *CARLUDOVICA ATROVIRENS* H. Wendl. Cyclanthaceae.

Col. No. LW-111. Native of Colombia.

260836. *CARLUDOVICA MACROPODA* Klotz.

Col. No. LW-106. Attractive terrestrial in shade; leaves to 4 feet long.

260837. *COSTUS VERSCHAFFELTIANUS* Lem. Zingiberaceae.

Col. No. LW-123.

260838. *CYCLANTHUS BIPARTITUS* Poit. Cyclanthaceae.

Col. No. LW-103. Attractive shade plant; leaves form a crown to 4 feet wide.

260839. *CYCLANTHUS CRISTATA* Klotz.

Col. No. LW-110. Herb with bifereate leaves, to 4 feet.

260840. *CYRTOSTACHYS RENDA* Blume. Phoenicaceae. **Palm.**

Col. No. LW-74. Cluster palm with reddish crown shafts. Native of Bangka.

260841. *CYRTOSTACHYS* sp. **Palm.**

Col. No. LW-75. 'Sealing Wax Palm'. Cluster palm.

260842. *DRACAENA* (hybrid). Liliaceae.

Col. No. LW-124. 'Victoria'.

260843. *ELETTARIA ATROPURPUREA* Blume. Zingiberaceae.

Col. No. LW-115. Plant to 10 feet high.

260844. *EUGEISSONA TRISTE* Griffith. Phoenicaceae. **Palm.**

Col. No. LW-80. Feather palm.

260845. *GRAMMATOPHYLLUM SPECIOSUM* Blume. Orchidaceae. **Orchid.**

Col. No. LW-128. 'Sugarcane Orchid'. Flowers pink with brown spots.

260846. *GRONOPHYLLUM OXYPETALUM* Burret. Phoenicaceae. **Palm.**

Col. No. LW-73. Feather palm.

260821 to 260880—Continued

260847. *HETEROSPATHE SALOMONENSIS* Becc. *Phoenicaceae*. **Palm.**
Col. No. LW-78. Feather palm.
260848. *HOYA* sp. *Asclepiadaceae*.
Col. No. LW-97. Climber.
260849. *IXORA AMOENA* Wall. *Rubiaceae*.
Col. No. LW-84. Native to Bangka.
260850. *IXORA CHINENSIS* Lam. **Chinese ixora.**
Col. No. LW-85.
260851. *IXORA STRICTA* Roxb.
Col. No. LW-86.
260852. *LICUALA RUMPHII* Blume. *Phoenicaceae*. **Palm.**
Col. No. LW-71. Fan palm native to Celebes and Manado.
260853. *NICOLAIA PALLIDA* Horan. *Zingiberaceae*.
Col. No. LW-114. Plant 8 feet high.
260854. *ONCOSPERMA HORRIDUM* (Griffith) Scheff. *Phoenicaceae*. **Palm.**
Col. No. LW-76. Cluster palm; spines on stems.
260855. *ORANIA ARUENSIS* Becc. *Phoenicaceae*. **Palm.**
Col. No. LW-72.
260856. *ORCHIDANTHA* sp. *Musaceae*.
Col. No. LW-109. Herb with strap-like leaves to 3 feet long.
260857. *PARALINOSPADIX PETRICKIANUS* (Sandw.) Burret *Phoenicaceae*. **Palm.**
Col. No. LW-82. Small palm.
260858. *PHOENICOPHORUM BORSIGIANUM* (Koch) Stuntz. *Phoenicaceae*. **Palm.**
Col. No. LW-70.
260859. *PINANGA DISTICHA* Blume *Phoenicaceae*. **Palm.**
Col. No. LW-77.
260860. *PIPER ORNATUM* N. Br. *Piperaceae*.
Col. No. LW-95. Climber.
260861. *PIPER* sp.
Col. No. LW-87. Climber with variegate green and lavender leaves above, reddish below.
260862. *PIPER* sp.
Col. No. LW-96. Climber.
260863. *PLATYCERIUM BIFORME* (Siv.) Bl. *Polypodiaceae*.
Col. No. LW-92. Epiphyte.
260864. *PTYCHOCOCCUS PARADOXUS* (Scheff.) Becc. *Phoenicaceae*. **Palm.**
Col. No. LW-79. Pinnate palm to 50 feet high.
260865. *RAPHIA HOOKERI* Mann & Wendl. *Phoenicaceae*. **Palm.**
Col. No. LW-81. Feather palm.
260866. *RENEALMIA VENTRICOSA* Griseb. *Zingiberaceae*.
Col. No. LW-125.
260867. *RHECTOPHYLLUM MIRABILE* N. E. Br. *Araceae*.
Col. No. LW-105. Herb; leaves divided.

260821 to 260880—Continued

260868. *STRONGYLODON MACROBOTRYS* A. Gray. Fabaceae.

Col. No. LW-83. 'Jade Vine'.

260869. *TAPEINOCHEILOS ANANASSAE* K. Schum. Zingiberaceae.

Col. No. LW-121. Native of Seram.

260870. *TAPEINOCHEILOS* sp.

Col. No. LW-116. Native of Moluccas.

260871. *TAPEINOCHEILOS* sp.

Col. No. LW-120.

260872. *ZINGIBER MACRADENIUM* K. Schum. Zingiberaceae.

Col. No. LW-122.

260873. *ZINGIBER* sp.

Col. No. LW-104. Tall herb; flowers red.

260874. Undetermined.

Col. No. LW-88. Epiphyte.

260875. Undetermined.

Col. No. LW-89.

260876. Undetermined.

Col. No. LW-91. Epiphyte; rhizomes creeping.

260877. Undetermined.

Col. No. LW-93. Epiphyte.

260878. Undetermined.

Col. No. LW-99. Leaves ornamental.

260879. Undetermined.

Col. No. LW-102. Climber with interesting foliage.

260880. Undetermined. Orchidaceae.

(No data).

260881 to 260885.

From the Union of Soviet Socialist Republics. Seeds presented by the Central Station of Forest Seeds Control, Moscow. Received Oct. 22, 1959.

260881. *CELTIS CAUCASICA* Willd. Ulmaceae.

Street tree in Signag.

260882. *CELTIS* sp.

A smooth leaf hackberry.

260883 and 260884. *ULMUS LAEVIS* Pallas.

260883. Krasnodarsk, Caucas.

260884. Orenburg Province, Steppes.

260885. *ULMUS PUMILA* var. *ARBOREA* Litv.

Taganrog, Rostov Province.

260886. *RUBUS ROSAEFOLIUS* J. E. Sm. Rosaceae. **Raspberry.**

From Paraguay. Seeds presented by the Sociedad de Hermanos, Tela Margerita, Alto Parana. Received Oct. 22, 1959.

Fruit poor flavor but prolific and plant remains green, with no yellowing or breakdown; fruit red.

260887 to 260903.

From Great Britain. Seeds presented by the National Institute of Agricultural Botany, Cambridge, England. Received Oct. 23, 1959.

260887 to 260892. *AVENA SATIVA* L. Poaceae.

Common oats.

260887. 'Blendra'. **260890.** 'Penrhyn'.

260888. 'Maldwyn'. **260891.** 'Picton'.

260889. 'Opus II'. **260892.** 'Powys'.

260893 and 260894. *HORDEUM VULGARE* L. Poaceae.

Common barley.

260893. 'Maythorpe'.

260894. 'Provost'.

260895 to 260903. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat

260895. 'Atson'. **260900.** 'Jufy I'.

260896. 'Banco'. **260901.** 'Milfast'.

260897. 'Capelle Desprez'. **260902.** N. 59.

260898. 'Dominador'. **260903.** 'Svenno'.

260899. 'Flamingo'.

260904 to 260975. *PENNISETUM SPICATUM* (L.) Willd. Poaceae.

Pearl millet.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Oct. 23, 1959.

260904. I.C. 2388. **260909.** I.C. 3484. Niphad.

260905. I.C. 2387. Co. 2. **260910.** I.C. 1725. United Province (Allahabad).

260906. I.C. 4592. Jhakrana. **260911.** I.C. 1732. Kanpur.

260907. I.C. 4638. Alwar. **260912.** I.C. 1775. Niphad.

260908. I.C. 1472. Type 55, Ferozepur. **260913.** 'Badapuri': Jamnagar Giant'.

260914 to 260947 Bajra.

260914. D.C. 463. **260931.** D.C. 480.

260915. D.C. 464. **260932.** D.C. 481.

260916. D.C. 465. **260933.** D.C. 482.

260917. D.C. 466. **260934.** D.C. 483.

260918. D.C. 467. **260935.** D.C. 484.

260919. D.C. 468. **260936.** D.C. 485.

260920. D.C. 469. **260937.** D.C. 486.

260921. D.C. 470. **260938.** D.C. 487.

260922. D.C. 471. **260939.** D.C. 488.

260923. D.C. 472. **260940.** D.C. 489.

260924. D.C. 473. **260941.** D.C. 490.

260925. D.C. 474. **260942.** D.C. 491.

260926. D.C. 475. **260943.** D.C. 493.

260927. D.C. 476. **260944.** D.C. 494.

260928. D.C. 477. **260945.** D.C. 495.

260929. D.C. 478. **260946.** D.C. 496.

260930. D.C. 479. **260947.** D.C. 497.

260904 to 260975—Continued

- | | |
|--|--|
| 260948. I.C. 1715; Selection S.50/1
Kanpur, United Province. | 260962. 'Cumbu Co. 2'. |
| 260949. A.K.P. 1. Sajja. | 260963. 'Cumbu Co. 3'. |
| 260950. A.K.P. 3. Sajja. | 260964. 'Cumbu Co. 4'. |
| 260951. A.K.P. 2. Ghanti. | 260965. 'Bajra-12'. |
| 260952. R.S.J. | 260966. 'Bajra-1'. |
| 260953. R.S.K. | 260967. 'Niphad Hy. Bajra'. |
| 260954. Baroda-5. | 260968. 'A.F.3'. |
| 260955. A-1/3. | 260969. 'Late-Man-38-39'. |
| 260956. S.530. | 260970. 'Bajri 28-15-1'. |
| 260957. S.350. | 260971. 'Bijapur-11-11-7-14-6'. |
| 260958. T/55. | 260972. Gol. 1-8-5-5. |
| 260959. 'Cumbu-X-1'. | 260973. Gol. 1-8-1-3. |
| 260960. 'Cumbu-X-3'. | 260974. 'Sindagi-3-16-13-9-15-3'. |
| 260961. 'Cumbu Co. 1'. | 260975. S.14. |

260976 to 260978. NICOTIANA TABACUM L. Solanaceae.**Common tobacco.**

From Australia. Seeds presented by the Plant Industry Division, Department of Agriculture, Sydney. Received Oct. 26, 1959.

- 260976.** 'Fitz. 101' × Bel 58-1008-1. 'Fitz. 101' is heterozygous for blue mould resistance.
- 260977.** 'Fitz. 103' × Bel 58-1008-1. 'Fitz. 103', has blue mould resistance.
- 260978.** Fl. 65-9 × Bel 58-1008-1. 65-9 carries blue mould resistance. Bel 58-1008-1 pollen was received from the United States.

260979. QUERCUS ROBUR L. Fagaceae.**English oak.**

From the Netherlands. Seeds presented by J. R. P. v. Hoey Smith, Rotterdam. Received Oct. 26, 1959.

'Salicifolia'.

260980 to 260986.

From the United States. Seeds held at the Regional Plant Introduction Station, Ames, Iowa. Numbered Oct. 26, 1959.

260980. MEDICAGO LUPULINA L. Fabaceae. Black medic.

From Afghanistan. Separated from P.I. 220201.

260981. MEDICAGO SATIVA L.

From Israel. Separated from P.I. 227001.

260982. MEDICAGO sp.

From Yugoslavia. Separated from P.I. 193294.

260983. TRIFOLIUM FRAGIFERUM L. Fabaceae.**Strawberry clover.**

Source unknown. Separated from P.I. 223415.

260984 and 260985. TRIFOLIUM REPENS L.**Whiteclover.**

260984. From Iran. Separated from P.I. 250948.

260985. Source unknown. Separated from P.I. 223415.

260986. TRIFOLIUM RESUPINATUM L.**Persian clover.**

From Iran. Separated from P.I. 250935.

260987 to 260989.

From Belgium. Seeds and plants collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 27, 1959.

From Jardin Botanique de l'Etat, Meise.

260987. *TACCA MACRANTHA* W. Limpr. Taccaceae.

Col. No. 7307. Herb to 18 inches high; leaves erect, long petiolate, lustrous green; fruit to 3 inches long, 1 inch thick, deep purplish. (Seeds).

260988. *TRIPHASIA TRIFOLIA* (Burn. f.) P. Wilson Rutaceae.

Col. No. 7291. Evergreen shrub; leaves trifoliate; fruit cherrylike, dark red, fleshy. (Seeds).

260989. Undetermined.

Col. No. 7308. Epiphytic climbing on tree trunks; leaves pubescent, dark green; flowers 1 inch across, pink. (Plant.)

260990 to 260992.

From the British West Indies. Seeds presented by the Ministry of Agriculture and Lands, Hope, Liguanea, Jamaica. Received Oct. 26, 1959.

260990. *LAWSONIA INERMIS* L. Lythraceae.

Henna.

260991. *VIBURNUM GLABRATUM* HBK. Caprifoliaceae.

260992. *VIBURNUM VILLOSUM* Siv.

260993 and 260994.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Oct. 28, 1959.

260993. *MEDICAGO FALCATA* L. Fabaceae.

Yellow-flowered alfalfa.

K. 33298. Voronez region. Native to Western Siberia. Variable perennial; flowers yellow; pods sickle shape. Cold and drought tolerance and resistance to disease.

260994. *MEDICAGO PLATYCARPA* (L.) Trautv.

K. 15623. Native to central Siberia. Erect perennial; flowers yellow; pods flat, black, when mature; seeds large.

260995 and 260996.

From Ghana. Seeds presented by the Botany Department, University College of Ghana, Legon. Received Oct. 28, 1959.

260995. *HIBISCUS CANNABINUS* L. Malvaceae.

Kenaf.

'Achimota'. Plant atypical, having a terete calyx.

260996. *SANSEVIERIA LIBERICA* Ger. & Labr. Liliaceae.

Accra plains.

260997 to 260999.

From the Belgian Congo. Seeds presented by Institut National pour l'Etude Agronomique, Laboratoire Central de Yangambi, Yangambi. Received Oct. 28, 1959.

260997. *HIBISCUS EETVELDEANUS* DeWild. & Durr. Malvaceae.

260998. *HIBISCUS ROSTELLATUS* Guill. & Perr.

260999. *HIBISCUS SURATTENSIS* L.

261000. *ALLIUM MELANANTHERUM* Panc. Liliaceae.

From Bulgaria. Bulblets presented by the Bulgarian Academy of Sciences, Sofia. Received Oct. 7, 1959.

No. 5. VIII. 1959.

261001. *APIUM GRAVEOLENS* L. Apiaceae.**Celery.**

From Turkey. Seeds growing at the Regional Plant Introduction Station, Geneva, New York. Numbered Oct. 28, 1959.

Separated from P.I. 177267. 'Rapaceum'.

261002 to 261028.

From Indonesia. Plants, tubers, cuttings collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 28, 1959.

Botanical Garden, Bogor, unless otherwise noted. Collected October 1959.

261002. *AMORPHOPHALLUS* sp. Araceae.

Col. No. LW-153.

261003. *ARISTOLOCHIA GRANDIFLORA* Swartz. Aristolochiaceae.

Col. No. LW-152. Tjibodas. Ornamental; flowers large.

261004. *DIPTERIS CONJUGATA* (Kaulf) Reinw. Polypodiaceae.

Col. No. LW-142. Tjibodas. Elevation 1,500 feet. Terrestrial fern to six feet high. Native to Java.

261005. *DRYNARIA* sp. Polypodiaceae.

Col. No. LW-157. Tjibodas. 'Nest Fern'. Epiphyte.

261006 and 261007. *DRYNARIA RIDGULA* Bedd.

261006. Col. No. LW-157.

261007. Col. No. LW-158. Tjibodas. Epiphyte.

261008. *HEMIGRAPHIS ANGUSTIFOLIA* Hall. f. Acanthaceae.

Col. No. LW-132. Shade plant; leaves glossy green; purple below. Native to Moluccas.

261009. *HEMIGRAPHIS BICOLOR* Boerl.

Col. No. LW-131. Shade plant; leaves purple below. Native to Java.

261010. *HEMIGRAPHIS REPANDA* Hall. f.

Col. No. LW-134. Creeping herb; leaves purple below. Native to Java.

261011. *JACOBINIA MAGNIFICA* Lindau. Acanthaceae.

Col. No. LW-133. Plant to six feet high; flowers yellow, in heads.

261012. *DAVALLIA HYMENOPHYLLOIDES* Baker. Polypodiaceae.

Col. No. LW-139. Tjibodas. Large fern. Native to Java.

261013. *LYCOPodium* sp. Lycopodiaceae.

Col. No. LW-155. Epiphyte on tree fern.

261014. *LYCOPodium* sp.

Col. No. LW-156. Pendent epiphyte.

261015. *MUSA* sp. Musaceae.

Col. No. LW-150. Tjibodas. Ornamental; inflorescences showy, upright.

261016. *OLEANDRA NERIIFORMIS* Cav. Polypodiaceae.

Col. No. LW-140. Tjibodas. Fern to eight feet high; fronds whorled. Native to Java.

261017. *PANDANUS AMARYLLIFOLIUS* Roxb. Pandanaceae.

Col. No. LW-129. Shade plant; leaves used for coloring and flavoring food. Native to Bangsica.

261018. *PINANGA DISTICHA* Blume. Phoenicaceae.**Palm.**

Col. No. LW-146. Small, soliliferous, pennate palm. Native to Sumatra.

261002 to 261028—Continued**261019.** *PINANGA MACULATA* Porte.**Palm.**

Col. No. LW-147. Small forest palm. Native to Philippines.

261020. *PANDANUS PARVUS* Ridley. Pandanaceae.**Screwpine.**

Col. No. LW-130. Shade plant to four feet high; flowers yellow.

261021. *POLYPODIUM FEEI* (Bory) Mett. Polypodiaceae.

Col. No. LW-141. Tjibodas. Terrestrial fern.

261022. *AESCHYNANTHUS* sp. Gesneriaceae.

Col. No. LW-144. Tjibodas. Epiphyte; flowers crimson.

261023. *RHODODENDRON JAVANICUM* (Blume) Benn. Ericaceae.

Col. No. LW-154. Tjibodas. Forest epiphyte, flowers orange.

261024. *TAENIOPHYLLUM* sp. Orchidaceae.**Orchid.**

Col. No. LW-138. 'Tapeworm Orchid'. Epiphyte.

261025. Undetermined. Araceae.

Col. No. LW-136. Tjibodas. Large, scandent aroid; leaves purplish below.

261026. Undetermined. Araceae.

Col. No. LW-137. Tjibodas. Plant scandent; leaves and petioles mottled.

261027. Undetermined. Phoenicaceae.

Col. No. LW-145. Deep shade palm, to eight feet high.

261028. Undetermined. Phoenicaceae.

Col. No. LW-148. Suckering palm to six feet high. Native to South New Guinea.

261029 to 261031.

From Great Britain. Seeds presented by the Hurley Grassland Research Station, Hurley, Berkshire, England. Received Oct. 28, 1959.

261029. *FESTUCA ARUNDINACEA* Schreb. Poaceae.**Tall fescue.**

A.R.I. Ref. No. Bs 328. Ex Portugal. Outstanding in early spring growth.

261030 and 261031. *PHALARIS* (hybrids). Poaceae.*P. aquatica* × *P. arundinacea*.**261030.** A.R.I. Ref. No. Bs 248. W.P.B.S. Aberystwyth S. 230.**261031.** A.R.I. Ref. No. Bs 316. Dept. of Agr., Leeson, N.S.W. Australia.**261032.** *VERNONIA ANTHELMINTICA* (L.) Willd. Asteraceae.**Kinkaoil ironweed.**

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Oct. 28, 1959.

I. C. 6638. Grown in Calcutta.

261033 to 261056.

From Indonesia. Seeds collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 28, 1959.

Botanical Garden, Bogor, unless otherwise noted.

261033. *AGALMYLA STAMINEA* Blume Gesneriaceae.

Col. No. LW-143. Tjibodas. Epiphyte on garden tree.

261034. *ALPINIA* sp. Zingiberaceae.

Col. No. LW-56. Plant to seven feet high; flowers white, flecked yellow; fruit orange. Native to Sumatra.

261033 to 261056—Continued

261035. *AMORPHOPHALLUS* sp. Araceae.

Col. No. LW-63. Inflorescence to three feet high; fruits orange. Native to Sumatra.

261036. *ANCHOMANES HOOKERI* (Knuth) Schott Araceae.

Col. No. LW-69. Fruits white. Native to tropical Africa.

261037. *CESTRUM PURPUREUM* Standley Solanaceae.

Col. No. LW-149. Tjibodas. Shrub to eight feet high; flowers purplish-red. Native to Mexico.

261038. *CYRTOSTACHYS* sp. Phoenicaceae.

Palm.

Col. No. LW-151. 'Lipstick Palm'. Cluster with red drainshafts.

261039. *DONAX CANNIFORMIS* (Forst.) Rolfe Marantaceae.

Col. No. LW-58. Plant to six feet high; leaves compound; flowers white. Native to Moluccas.

261040. *LICUALA RUMPHII* Blume Phoenicaceae.

Palm.

Col. No. LW-135. Fan palm to 25 feet high; fruits orange-red. Native to Celebes.

261041. *LICUALA* sp.

Col. No. LW-54. Fan palm to 8 feet high; fruits red, pea-sized.

261042 and 261043. *LINOSPADIX MICHOLITZII* Ridl. Phoenicaceae.

Palm.

261042. Col. No. LW-51. Palm to 8 feet high; berries white.

261043. Col. No. LW-59. Soboliferous palm to 10 feet high; fruits cherry size; pulp black.

261044. *MUCUNA GIGANTEA* (Willd.) DC. Fabaceae.

Col. No. LW-53. Vine, flowers in hanging clusters, greenish; pods covered with irritant hairs.

261045. *NORMANBYA NORMANBYI* (W. Hill) Bailey Phoenicaceae.

Palm.

Col. No. LW-62. Palm to 35 feet high; fruits size of small egg; pulp red.

261046. *ORBIGNYA MARTIANA* Barb. Rodr. Phoenicaceae.

Palm.

Col. No. LW-55. Large feather palm. From Brazil.

261047. *PARALINOSPADIX PETRICKIANUS* Burret Phoenicaceae.

Palm.

Col. No. LW-61. Soboliferous palm to 15 feet high; stems small; fruits cherry red when mature.

261048. *PTYCHOCOCCUS PARADOXUS* (Scheff.) Becc. Phoenicaceae.

Palm.

Col. No. LW-60. Feather palm to 50 feet high; fruits orange, egg shaped. Native to New Guinea.

261049. *SCHEFFLERA* sp. Araliaceae.

Col. No. LW-52. Ornamental tree to 20 feet high.

261050. *TACCA CHANTIERI* Andre Taccaceae.

Col. No. LW-65. Herb; Leaves ornamental to 3 feet high, deep glossy green. Native to Malay Archipelago.

261051. *TACCA FLABELLATA* J.J. Sm.

Col. No. LW-66. Herb to 3 feet high; leaves, flabellate, glossy. Native to Celebes.

261052. *TACCA MACRANTHA* Limpr.

Col. No. LW-64. Herb to 3 feet high; leaves dark green, large. Native to Sumatra.

261033 to 261056—Continued

261053. *TAPEINOCHEILO ANANASSAE* K. Schum. Zingiberaceae.

Col. No. LW-57. Leaves to 8 feet high produced from subterranean rhizomes; bracts red.

261054. *ZINGIBER MACRADENIUM* K. Schum. Zingiberaceae.

Col. No. LW-67. Herb; leaves to 10 feet high; inflorescences red, torch gingerlike. Native to Sumatra.

261055. Undetermined. Zingiberaceae.

Col. No. LW-68. Herb; leaves to 6 feet high. Native to Borneo.

261056. *MANGIFERA* sp. Anacardiaceae.

Col. No. LW-235. 'Wani'. Denpasar market, Bali. Fruit green when ripe; flavor strong; flesh white; stone-rowed in X-section.

261057 to 261064.

From New Guinea. Rhizomes collected by J. J. Ochse, United Banana Expedition. Received Oct. 28, 1959.

From Manokwari, Netherlands.

261057 and 261058. *MUSA ACUMINATA* Colla Musaceae.

261057. No. O-2. 'Higa'. Used in hybridizing program in Trinidad.

261058. No. O-4. 'Higa'. Pseudostem brown-green; fruit green; pulp white and sweet.

261059. *MUSA* × *PARADISIACA* L.

Plantain.

No. O-8. 'Babu-blutuk'. (*M. acuminata* × *M. balbisiana*). Rhizomes widespread; bunches larger.

261060. *MUSA* × *PARADISIACA* L.

Plantain.

No. O-10. 'Kapas-kapok-sepatu'. (*M. acuminata* × *M. balbisiana*).

Best plantain in Southeastern Asia; seeds few.

261061. *MUSA* sp.

No. O-7. Pseudostem green; fruit red-yellow splayed; pulp yellow.

261062. *MUSA* sp.

No. O-1. 'Amesi'. Bract white green; fruit red-orange.

261063. *MUSA* sp.

No. O-3. 'Hindu-kuwa'. Fruit white-green, burst open and look like black flowers.

261064. *MUSA* sp.

No. O-6. 'Hindu-kuwa'. Pseudostem green-brown; bract green-white; fruit green when ripe, burst open like star flower; pulp white.

261065 to 261068.

From the Netherlands. Plants collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Oct. 29, 1959.

261065. *ARMORACIA RUSTICANA* G. Gaertn. Brassicaceae. **Horseradish.**

Col. No. 6239a. 'Albo Variegata'. Private garden, Wageningen. Leaves white variegated, especially in spring.

261066. *CHRYSANTHEMUM ARCTICUM* L. Asteraceae.

Col. No. 7348. Private garden, Wageningen. Rhizomatous perennial, forming a clump; stems to 14 inches high; rays white to 1.5 inches long. Flowers in October.

261065 to 261068—Continued

261067. *EUPHORBIA XYLOPHILIOIDES* Brongn. Euphorbiaceae.

Col. No. 7350. Tempel Nurseries, Reeuwijk. Treelike plant; branches flat numerous, brownish-green.

261068. *PLATYCERIUM BIFURCATUM* (Cav.) C. Chr. Polypodiaceae.

Col. No. 7349. Tempel Nurseries, Reeuwijk. Selected for broad fertile fronds in young plants.

261069. *CITRUS AURANTIFOLIA* (Christm.) Swingle Rutaceae.

Lime.

From New Guinea. Seeds presented by the Department of Agriculture, Stock and Fisheries, Port Moresby, Papua. Received Oct. 29, 1959.

The tree bears when about 2 years old and comes true from seed. Possibly a Tahitian lime. Fruit large, not very juicy, has to 200 seeds, pleasant fragrance.

261070. *SACCHARUM* (hybrid). Poaceae.

Sugarcane.

From Argentina. Cuttings presented by the Estacion Agropecuaria, Colorado-Formosa. Received Oct. 30, 1959.

Tuc. 2683.

261071 to 261097.

From Indonesia. Plants and seeds collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 2, 1959.

Botanical Garden, Bogor. Plants except where otherwise noted.

261071. *ALPINIA OXYMITRA* Miq. Zingiberaceae.

No. LW-175. Plant to 3 feet high.

261072. *ALPINIA ROBURGHIANA* Valet.

No. LW-179. From Sumatra.

261073. *AMOMUM GRACILE* Blume. Zingiberaceae.

No. LW-180. Plant to 4 feet high.

261074. *ANADENDRUM MICROSTACHYUM* Backer & Alderwer Araceae.

No. LW-171. From Sumatra. Climbing aroid.

261075. *CARLUDOVICA LATIFOLIA* Ruiz. & Pav. Cyclanthaceae.

No. LW-174. From Peru.

261076. *COSTUS* sp. Zingiberaceae.

No. LW-176. From Java.

261077. *DORSTENIA* sp. Moraceae.

No. LW-164. Ground plant to 1 foot high.

261078. *ELATOSTEMA REPENS* Hallier f. Urticaceae.

No. LW-167. From Sumatra. Ground cover; leaves green.

261079. *ELATOSTEMA VITTATUM* Hallier f.

No. LW-169. Creeping ground cover; leaves variegated.

261080. *ELATOSTEMA* sp.

No. LW-166. Growing in clumps to 4 feet high.

261081. *ELATOSTEMA* sp.

No. LW-168. Ground cover; leaves variegated.

261071 to 261097—Continued

261082. *HOMALOMENA* sp. Araceae.

No. LW-173. Aroid; leaves hastate.

261083. *IXORA FLUGENS* Roxb. Rubiaceae.

No. LW-165. Shrub to 10 feet high; leaves variegated.

261084. *LYCOPodium* sp. Lycopodiaceae.

No. LW-184. Epiphyte.

261085. *MICONIA DENSIFLORA* Cogn. Melastomataceae.

No. LW-160. Plant to 2.5 feet high.

261086. *OPHIORRHIZA* sp. Rubiaceae.

No. LW-170. From Sumatra. Ground cover; leaves shiny; flowers small, white.

261087. *PHAEOMERIA SPECIOSA* (Blume) Koora Zingiberaceae.

No. LW-177. Plant to 3 feet high.

261088. *PIPER* sp. Piperaceae.

No. LW-163. Low ground cover.

261089. *TREVESIA SUNDAICA* Miq. Araliaceae.

No. LW-162. Tree to 20 feet high.

261090. *ZINGIBER* sp. Zingiberaceae.

No. LW-178. Plant to 8 feet high, in clumps; flowers yellow at base, growing in cluster of red bracts.

261091. Undetermined.

No. LW-172. From New Guinea. Creeping ground cover.

261092 to 261097. Seeds.

261092. *AGLAONEMA* sp. Araceae.

No. LW-181.

261093. *ALPINIA ROBURGHIANA* Valet Zingiberaceae.

No. LW-179.

261094. *CHLOROPHYTUM ORCHIDASTRUM* Lindl. Liliaceae.

No. LW-183. From Africa. Plant to 2 feet high.

261095. *CYRTOSTACHYS LAKKA* Beccari Phoenicaceae.

Palm.

No. LW-161.

261096. *MAPANIA* sp. Cyperaceae.

No. LW-182. Forest sedge; leaves long, broad, showy.

261097. *VICTORIA AMAZONICA* Poepp. Nymphaeaceae. **Victoria waterlily.**

No. LW-159.

261098 and 261099.

From Spain. Seeds presented by the Estacion Experimental de Aula Dei, Zaragoza. Received Nov. 2, 1959.

261098. *AGROPYRON INTERMEDIUM* (Host) Beauv. Poaceae.

Native to sandy places in northern Europe. Perennial; culms ascending, to 2 feet high.

261099. *AGROPYRON OBTUSIUSCULUM* Lange

261100 to 261111. PRUNUS AMYGDALUS Batsch Amygdalaceae.**Almond.**

From Italy. Seeds presented by the Agricultural Experiment Station, Bari.
Received Nov. 3, 1959.

261100. 'Barese'. From Monopoli. Tree to 4 meters high; flowers in February; annual performance fluctuating; exocarp weight 4.6 grams, height 2 mm.; kernel sweet; 18 kilos production of fruit per tree; commercial grade good.

261101. 'Cannelicchio'. From Ruvo. Trees to 5 meters high; flowers in February; annual performance fluctuating; exocarp weight 3.2 grams, height 2.5 mm.; kernel bitter; 10 kilos production of fruit per tree; commercial grade good.

261102. 'Catuccia'. From Ruvo. Trees to 5 meters high; flowers in February; annual performance fluctuating; exocarp weight 12.7 grams, height 3.4 mm.; kernel sweet; 12 kilos production of fruit per tree; commercial grade good.

261103. 'Fragiulio'. From Bisceglie. Trees to 6 meters high; flowers in February; annual performance slightly fluctuating; exocarp weight 5.2 grams; height 3.2 mm.; kernel sweet; 10 kilos production of fruit per tree; commercial grade excellent.

261104. 'Jascettua'. From Ruvo. Trees to 4 meters high; flowers in February; annual performance fluctuating; exocarp weight 3.2 grams; height 3 mm.; kernel sweet; 10 kilos production of fruit per tree; commercial grade good.

261105. 'Mollese'. From Bisceglie. Trees to 5 meters high; flowers in February; annual performance fluctuating; exocarp weight 2.8 grams; height 2.5 mm.; kernel sweet; 10 kilos production of fruit per tree; commercial table grade.

261106. 'Monaco'. From Castellaneta De Benedictus. Trees to 4 meters high; flowers in February; annual performance fluctuating; exocarp weight 2.9 grams; height 2.5 mm.; kernel sweet; 15 kilos production of fruit per tree; commercial grade good.

261107. 'Montrone'. From Monopoli. Trees to 5 meters high; flowers in February; annual performance fluctuating; exocarp weight 7.4 grams; height 3 mm.; kernel sweet; 15 kilos production of fruit per tree; commercial grade good.

261108. 'Ochiorosso'. From Ruvo. Trees to 3 meters high; flowers in February; annual performance fluctuating; exocarp weight 3.2 grams; height 2.5 mm.; kernel sweet; 15 kilos production of fruit per tree; commercial grade good.

261109. 'Pizzuata Amara'. From Trani. Trees to 4 meters high; flowers in February; annual performance fluctuating; exocarp weight 3.2 grams; height 2.5 mm.; kernel bitter; 15 kilos production of fruit per tree; suitable for grafting stock.

261110. 'Rana'. From Ruvo. Trees to 6 meters high; flowers in February; annual performance fluctuating; exocarp weight 3.5 grams; height 3 mm.; kernel sweet; 50 kilos production of fruit per tree; commercial grade excellent.

261111. 'Troilo'. From Bisceglie. Trees to 4 meters high; flowers in February; annual performance slightly fluctuating; exocarp weight 3.5 grams; height 3 mm.; kernel sweet; 20 kilos production of fruit per tree; commercial grade excellent.

261112 to 261117.

From the Netherlands. Plants purchased from the Old Farm Nurseries, Boskoop.
Received Nov. 3, 1959.

261112. ANTHURIUM HARRISII G. Don. Araceae.

Col. No. 6565.

261112 to 261117—Continued**261113.** *ERICA MAMMOSA* L. Ericaceae.

Col. No. 6576.

261114. *LIMNOCHARIS FLAVA* (L.) Buch. Butomaceae.

Col. No. 6577.

261115. *MARCGRAVIA* sp. Marcgraviaceae.

Col. No. 6578.

261116. *NEPTUNIA PROSTRATA* (Lam.) Baill. Mimosaceae.

Col. No. 6570.

261117. *POTHOS SCANDENS* L. Araceae.

Col. No. 6579.

261118 to 261123.

From Indonesia. Seeds collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 4, 1959.

From Botanical Garden, Bogor.

261118. *HYDRIASTELE ROSTRATA* Burret Phoenicaceae.**Palm.****261119.** *NORMANBYA NORMANBYI* (W. Hill) Bailey Phoenicaceae.**Palm.****261120.** *ORANIA ARUENSIS* Becc. Phoenicaceae.**261121.** *PTYCHOCOCCUS PARADOXUS* (Scheff.) Becc. Phoenicaceae.**261122.** *RAPHIA HOOKERI* Mann & Wendl. Phoenicaceae.**Palm.****261123.** *RAPHIA LAURENTII* De Wild.**Palm.****261124.** *BETA VULGARIS* L. Chenopodiaceae.**Common beet.**

From the Union of Soviet Socialist Republics. Seeds presented by the Pivnenko Seed Reserve, Shevchenko. Received Nov. 4, 1959.

‘Mayday 028’.

261125 and 261126. *CRATAEGUS AZAROLUS* L. Malaceae.**Hawthorn.**

From Italy. Seeds presented by the Orto Botanico Della Universita. Received Nov. 4, 1959.

261125. Fruit red.**261126.** Fruit yellow.**261127.** *CUCUMIS MELO* L. Cucurbitaceae.**Muskmelon.**

From the Union of Soviet Socialist Republics. Seeds collected by D. W. Thorne, Middle-Asian Scientific Research Institute of Plant Breeding, Tashkent, Uzbek Republic. Received Nov. 4, 1959.

Fruit small, sweet; flesh white; said to ripen 40 days after emergence.

261128 to 261133.

From New Guinea. Rhizomes collected by J. J. Ochse, United Fruit Company Banana Expedition, Hollandia. Received Nov. 4, 1959.

261128. *MUSA* sp. Musaceae.

Col. No. O-11. ‘Um’. Stem 10 meters high, 55 cm. thick, very waxy; juice pink.

261129 to 261133. *MUSA* × *PARADISIACA* L.**Plantain.**

261129. Col. No. O-12. ‘Ulom’. Stem four meters high; seedless cooking banana.

261128 to 261133—Continued**261129 to 261133—Continued**

261130. Col. No. O-13. 'Dibit'. Elevation 1,200 meters. Bunch small.

261131. Col. No. O-14. 'Sirim'. Elevation 1,200 meters. Plant small; bract red.

261132. Col. No. O-15. 'Suwa'. Elevation 1,200 meters. Plant small; juice white; bract red.

261133. Col. No. O-16. 'Oerim'. Elevation 1,200 meters. Plant small; bract violet.

261134. SESAMUM PROSTRATUM Retz. Pedaliaceae.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Nov. 27, 1959.

I.W. 1093.

261135 to 261137.

From Germany. Seeds collected by E. W. Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 5, 1959.

From R. Schreiber and Soehne, Braunschweig.

261135 and 261136. PHASEOLUS VULGARIS L. Fabaceae. Common bean.

261135. D 199. Resistant to beta, gamma, epsilon and zeta strains of *Colletotrichum lindemuthianum*.

261136. D 199A. Resistant to alpha, gamma and delta strains of *Colletotrichum lindemuthianum*.

261137. PHASEOLUS (hybrid).

Col. No. D 200. (*P. coccineus* × *P. vulgaris*). 'Multigaris'. Cross made in Germany in 1936.

261138 to 261154.

From the Philippines. Rhizomes collected by P. H. Allen and N. G. Vakili, United Fruit Company, Banana Expedition. Received Nov. 5, 1959.

261138 to 261140. MUSA ACUMINATA Colla Musaceae.

261138. No. 2-7357. 'Agotay'. Bridge near Lake Bulusan crossing, Sorsogon, Luzon. Elevation 480 meters. Similar to 'Saguing Machin', but fingers shorter, splayed; bunch more open handed; male bract darker green with purplish wash near the tip.

261139. No. 2-7359. 'Agotay'. Guinobatan Experiment Station, Guinobatan, Albay. The only difference between 2-7359 and 'Saguing Machin' are its purplish male and female bracts.

261140. No. 2-7367. 'Agotay'. Paez Drive, Mt. Mayon, Albay, Luzon. Elevation 660 meters.

261141. MUSA sp.

No. 2-7350. 'Bunguran'. San Domingo, Albay, Luzon. Elevation 170 meters. Plants robust, to 4.60 meters and 25 cm. in diameter; pseudostem purplish with black blotches; stools few, compact; bunch pendulous, 8 hands, about 130 fingers; fingers compact, long and ageotropic.

261142. MUSA sp.

No. 2-7351. San Jose, Malilipot, Albay, Luzon. Elevation 50 meters. Plants to 2.70 meters high and 15 cm. thick at base; light brown blotches at leaf base; stools few, compact; bunch horizontal; hands 5 and about 75 fingers perpendicular to rachis, 9 cm. long and 2.5 cm. thick.

261138 to 261154—Continued

261143. *MUSA* sp.

No. 2-7352. San Antonio, Tabaco, Albay, Luzon. Elevation 120 meters. Plants to 4.05 meters high and 33 cm. thick at base; pseudostem green with blackish blotches; stools few, compact; leaf base waxy; bunch pendulous, 10 hands and about 375 fingers which were pedicellate, ageotropic, cylindric, 12 cm. long and 3 cm. thick.

261144. *MUSA* sp.

No. 2-7354. 'Laknau'. Banao, Guinobatan, Albay, Luzon. Elevation 100 meters. Plants to 4.30 meters high and 32 cm. thick at base; pseudostem green with blackish blotches at leaf base; stools many, compact; bunch pendulous, 7 hands and about 100 fingers which were pedicellate, splayed, cylindric, angulate and 27 cm. long and 4.2 cm. thick.

261145. *MUSA* sp.

No. 2-7355. 'Inabaca'. Banao, Guinobatan, Albay, Luzon. Elevation 100 meters. Plants to 5.2 meters high and 22 cm. thick at the base; entire green pseudostem covered by dark brown blotches; stools many, compact; bunch sub-horizontal; fingers pedicellate, perpendicular to rachis; male bud ovate; bract green with purple margin.

261146. *MUSA* sp.

No. 2-7356. 'Racadag'. Juban, Sorsogon, Luzon. Plants to 1.60 meters high and 15 cm. thick at the base; entire pseudostem dark brown; stools many, compact; bunch pendulous; hands 7 with 125 fingers.

261147. *MUSA* sp.

No. 2-7358. 'Tudoc'. Guinobatan Experiment Station, Guinobatan, Albay, Luzon. Elevation 360 meters. Plants to 2.40 meters high and 20 cm. thick at the base; entire pseudostem dark brown to blackish; stools few, compact; bunch pendulous; hands 9 and about 145 fingers; bunch open handed.

261148. *MUSA* sp.

No. 2-7360. 'Turongkog'. Guinobatan Experiment Station, Guinobatan, Albay, Luzon. Elevation 360 meters. A Saba-type. Peduncle horizontal; leaves upright.

261149. *MUSA* sp.

No. 2-7361. 'Inangel'. Near Guinobatan Experiment Station, Guinobatan, Albay, Luzon. Plants to 2.30 meters high and 23 cm. thick at the base; stem green without brownish blotches; stools many, compact; bunch pendulous; 13 hands and 195 fingers; fingers pedicellate, semicompact, ageotropic, ellipsoid, angulate, 12 cm. long and 3 cm. thick.

261150. *MUSA* sp.

No. 2-7362. 'Siamese'. Guinobatan, Albay, Luzon. Elevation 350 meters. Plants to 4.10 meters high and 24 cm. thick at the base; entire stem brownish; stools many, compact; bunch pendulous, 12 hands, 240 fingers; fingers pedicellate, compact, partly ageotropic, ellipsoid, 11 cm. long and 3 cm. thick.

261151. *MUSA* sp.

No. 2-7363. 'Pinipita'. Palanog, Guinobatan, Albay, Luzon. Elevation 425 meters. Plants to 4.20 meters high and 26 cm. thick at the base; pseudostem green, slightly brownish near leaf base; stools many, compact; bunch sub-horizontal, 6 hands and 50 fingers; fingers pedicellate, compact, ageotropic, ellipsoid, angulate, 15 cm. long and 4 cm. thick.

261152. *MUSA* sp.

No. 2-7364. 'Benedito'. Baligang, Gamalig, Albay, Luzon. A Saba-type.

261138 to 261154—Continued**261153.** *MUSA* sp.

No. 2-7365. 'Sapnay'. Barrio Padang, Legaspi, Albay, Luzon. Elevation 240 meters. Plant to 175 meters high and 13 cm. thick at the base; pseudostem light brown; stools many, compact; bunch horizontal, 6 hands and 90 fingers; fingers pedicellate, compact, perpendicular, ellipsoid, angulate, 12 cm. long and 2.2 cm. thick.

261154. *MUSA* sp.

No. 2-7366. 'Sarat Sut'. Danlog, Putiao, Sorsogon, Luzon. Elevation 240 meters. Plants to 3.38 meters high and 22 cm. thick at the base; entire pseudostem light brown; stools few, compact; bunch pendulous, 9 hands and 100 fingers; fingers pedicellate, compact, perpendicular to rachis, ellipsoid, 7 cm. long and 2 cm. thick.

261155. *ARUNDINARIA VARIEGATA* (Sieb.) Makino Poaceae.

From the Netherlands. Plants collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 6, 1959.

No Field Number.

261156 to 261167.

From Thailand. Plants collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 6, 1959.

261156. *ADENIUM COETAENUM* Stapf Apocynaceae.**261157.** *AFGEKIA* sp. Fabaceae.**261158.** *CANNA* sp. Cannaceae.**261159.** *ERYTHRINA* sp. Malaceae.**261160.** *JASMINUM REX* Dunn. Oleaceae.

Flowers double.

261161. *NELUMBO* sp. Nymphaeaceae.

Flowers double, pink.

261162. *NELUMBO* sp.

Flowers white.

261163. *STRONGYLODON* sp. Fabaceae.**261164.** *MYRMECODIA* sp. Rubiaceae.

Epiphyte on tree or tree fern.

261165. Undetermined.**261166.** Undetermined.**261167.** Undetermined.**261168.** *MAGNOLIA SARGENTIANA* Rehd. & Wils. Magnoliaceae.

From Great Britain. Seeds presented by Nyman's Gardens, Handcross, Sussex, England. Received Nov. 6, 1959.

'Robusta'.

261169 and 261170. *MYRCIARIA JABOTICABA* (Vell.) Berg. Myrtaceae.

From Brazil. Seeds presented by the Instituto Agronomico do Estado de Sao Paulo, Campinas. Received Nov. 9, 1959.

261169. 'Paulista'.**261170.** 'Rajada'.

261171 to 261210.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Nov. 9, 1959.

261171 to 261173. *MAHONIA AQUIFOLIUM* (Pursh.) Nutt. Berberidaceae.

Oregongrape.

271171. 'Aldenhamensis'.

261172. 'Moseri'.

261173. 'Undulata'.

261174. *MAHONIA FORTUNEI* (Lindl.) Fedde

261175. *MAHONIA NAPAULENSIS* D.C.

261176. *CYTISUS DALLIMOREI* Rolfe Fabaceae.

Broom.

261177. *CYTISUS HIRSUTUS* L.

Broom.

261178. *ABELIA CHINENSIS* R. Br. Caprifoliaceae.

261179. *ABELIA FLORIBUNDA* (Mart. & Gal.) Decaisne **Mexican abelia.**

261180. *ABELIA GRAEBNERIANA* Rehd.

'Vedrariensis'.

261181. *ABELIA SCHUMANNII* (Graebn.) Rehder

261182. *ABELIA SERRATA* Sieb. & Zucc.

261183. *COTONEASTER* × *WATERERI* Exell

'Exburiensis'.

261184. *CYTISUS* sp. Fabaceae.

261185 to 261197. *FAGUS SYLVATICA* L. Fagaceae.

European beech.

261185. 'Albo-variegata'.

261192. 'Quercifolia'.

261186. 'Cristata'.

261193. 'Riversii'.

261187. 'Faux de Vesey'.

261194. 'Rohanii'.

261188. 'Grandidentata'.

261195. 'Roseo-marginata'.

261189. 'Norwegiensis'.

261196. 'Rotundifolia'.

261190. 'Pendula Aurea'.

261197. 'Zlatia'.

261191. 'Purpureo-pendula'.

261198. *FOKIENTIA HODGINSII* (Dunn) Henry & Thomas Pinaceae.

261199. *JASMINUM ANGULARE* Vahl. Oleaceae.

261200. *JASMINUM FLORIDUM* Bunge

261201. *JASMINUM HUMILE* var. *GLABRUM* (D.C) Kobuski.

261202. *JASMINUM HUMILE* var. *REVOLUTUM* (Sims) Kobuski

261203. *JASMINUM PARKERI* Dunn.

261204. *KOELREUTERIA PANICULATA* Laxm. Sapindaceae.

Panicked goldenrain-tree.

'Fastigiata'.

261205. *LABURNUM CARAMANICUM* (Boiss. & Heldr.) Benth. & Hook. f. Fabaceae.

261206. *LIRIOPE GRAMINIFOLIA* (L.) Baker Liliaceae.

'Densiflora'.

261207. *PHOTINIA PRIONOPHYLLA* (Franch.) Schneid. Malaceae.

261208. *SALIX BOCKII* Seem. Salicaceae.

261209. *STACHYURUS HIMALAICUS* Hook f. & Thoms. Stachyuaceae.

261210. *ZELKOVA CRETICA* Spach Ulmaceae.

261211. PINUS sp. Pinaceae.

From the Union of Soviet Socialist Republics. Seedling presented to the Alaska Agricultural Experiment Station, Palmer, Alaska by Sen. Ernest Gruening.
From Siberia.

261212 and 261213.

From Great Britain. Plants and cuttings collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 10, 1959.

261212. RUTA GRAVEOLENS L. Rutaceae.

Col. No. 7379. 'Jackmans'. Chelsea Physic Garden, London, England. Foliage bluer than the normal type.

261213. SINARUNDINARIA NITIDA (Mitf.) Nakai Poaceae. Bamboo.

Col. No. 7357. Middleton House, Enfield, Herts, England. Clump type; culms to 10 feet high.

261214 to 261219.

From Great Britain and the Netherlands. Seeds collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 10, 1959.

261214. AESCULUS INDICA (Royle) Hook. Aesculaceae.

Col. No. 7380. Royal Botanic Gardens, Kew, Surrey, England. Deciduous tree to 40 feet high; flowers white.

261215. DECAISNEA FARGESII Franch. Lardizabalaceae.

Col. No. 7378. Garden of J. R. P. van Hoey Smith, Trompenburg, Rotterdam, the Netherlands. Deciduous shrub to 15 feet high; fruit fleshy, dark metallic blue at maturity.

261216. ILEX MELANOTRICA Merrill Aquifoliaceae.

Col. No. 7361. Exbury House, Exbury, Hants, England. Evergreen tree, to 12 feet high; bark smooth; berries red.

261217. QUERCUS PHILLYRAEOIDES A. Gray Fagaceae.

Col. No. 7377. Royal Botanic Gardens, Kew, Surrey, England. Evergreen tree to 25 feet high; branches dense.

261218. QUERCUS × TURNERI Willd.

Col. No. 7376. 'Pseudoturneri'. Royal Botanic Gardens, Kew, Surrey, England. Globose semi-evergreen tree to 30 feet high; branches dense.

261219. VIBURNUM HARRYANUM Rehder Caprifoliaceae.

Col. No. 7366. Exbury House, Exbury, Hants, England. Evergreen shrub to 10 feet high; branches dense; fruit metallic blue. Native of Southwest China.

261220 to 261223.

From Afghanistan and Turkey. Plants growing at the Regional Plant Introduction Station, Ames, Iowa. Numbered Nov. 10, 1959.

261220. AGROPYRON BUONAPARTIS (Spreng.) Dur. & Schinz. Poaceae.

From Afghanistan. A separate from P.I. 193264, *A. orientale*.

261221. AGROPYRON ORIENTALE var. LANUGINOSUM (Griseb.) Richter

From Afghanistan. A separate from P.I. 193264, *A. orientale*.

261222. AGROPYRON REPENS (L.) Beauv.

Quackgrass.

From Turkey. A separate from P.I. 174011, *A. intermedium*.

261223. SETARIA ITALICA (L.) Beauv. Poaceae.

Foxtail millet.

From Afghanistan. A separate from P.I. 220538, *Panicum miliaceum*.

261224 to 261237.

From Great Britain. Cuttings purchased from Hiller & Sons, Winchester, Hants, England. Received Nov. 12, 1959.

261224 to 261228. *Ilex aquifolium* L. Aquifoliaceae. English holly.

261224. 'Bicolor'.

261225. 'Latispina Minor'.

261226. 'N.E. Barnes'.

261227. 'Recurva'.

261228. 'Variegata'.

261229. *Ilex cassine* L.

Dahoon.

261230. *Ilex corallina* Franch.

Coral holly.

261231. *Ilex diphyrena* Wall.

Himalaya holly.

261232 and 261233. *Ilex fargesii* Franch.

261232. No data.

261233. 'Sclerophylla'.

261234. *Ilex hookeri* King

261235. *Ilex melanotricha* Merrill

261236. *Ilex yunnanensis* Franch.

261237. *Ilex* sp.

'Forrest 24826'.

261238 to 261264.

From Great Britain. Plants presented by Fisk's Clematis Nursery, Westleton, Saxmundham, Suffolk, England. Received Nov. 12, 1959.

261238. *Clematis armandii* Franch. Ranunculaceae. Armand clematis
'Apple Blossom'.

261239. *Clematis calycina* (Soland.) Ait

261240. *Clematis chrysocoma* Franch.

261241. *Clematis cirrhosa* L.

261242 and 261243. *Clematis flammula* L.

Plume clematis.

261242. No data.

261243. 'Rubra Marginata'.

261244. *Clematis florida* f. *sieboldii* (D. Don.) Rehder

261245. *Clematis jouniana* C. K. Schneider

'Cote d'Azur'.

261246. *Clematis montana* Buch.-Ham. ex DC.

Anemone clematis.

261247. *Clematis napaulensis* DC.

261248. *Clematis rehderiana* Craib.

261249. *Clematis vedrariensis* var. *rosea* Mottet.

261250 to 261252. *Clematis viticella* L.

Italian clematis.

261250. No data.

261251. 'Alba-luxuriana'.

261252. 'Rubra'.

261253 to 261264. *Clematis* (hybrids).

261253. 'Bees Jubilea'.

261255. 'Hagley Hybrid'.

261254. 'Countess of Lovelace'.

261256. 'Hybrida Sieboldi'.

261238 to 261264—Continued**261253 to 261264—Continued**

- | | |
|-------------------------------|--------------------------|
| 261257. 'King George V'. | 261261. 'Madam Grange'. |
| 261258. 'Lady Londesborough'. | 261262. 'Marcel Moser'. |
| 261259. 'Lincoln Star'. | 261263. 'Miss Crawshaw'. |
| 261260. 'Lucy Lemoine'. | 261264. 'Mrs. Oud'. |

261265. ZEA MAYS L. Poaceae.**Corn.**

From Peru. Seeds presented by the Cooperative Program of Corn Investigation, Escuela Nacional de Agriculatural, Lima. Received Nov. 18, 1959.
'Cuzco 58'. 'Blanco de Urubamba'.

261266. STYLOSANTHES GRACILIS H.B.K. Fabaceae.

From the Belgian Congo. Seeds presented by the Agricultural Officer, Leopoldville. Received Nov. 18, 1959.

A selection made at the Kaniama Experiment Station.

261267 and 261268.

From France. Seeds collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 30, 1959.

From the Arboretum des Barres Ecole Forestiere, Nationale de Francaise, Nogent-sur-Vernisson.

261267. AESCULUS TURBINATA Blume Aesculaceae. Japanese horsechestnut.

Col. No. 7239. Wide-spreading tree to 40 feet high.

261268. CORNUS WALTERI Wangerin Cornaceae.

Col. No. 7208. Tree to 30 feet high; trunk 14 inches in diameter at base; bark fissured; fruit gray, nearly black.

261269 and 261270. PYRUS COMMUNIS L. Malaceae.**Pear.**

From Yugoslavia. Seeds collected by L. F. Hough, Tara Mountain, West Central Serbia. Received Dec. 3, 1959.

261269. No. 8. Six-tenths mile north of Tara Kafana and east of Turistic. Elevation 4,000 feet. Tree strong, old, upright; fruit to one inch diameter.

261270. No. 9. Six-tenths mile west from Tara hotel. Elevation 4,000 feet. Tree large, old; fruits yellow, to one inch diameter.

261271 and 261272. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Thailand. Seeds presented by Garland Bare, Missionary, Pua, Nan Province. Received Dec. 8, 1959.

261271. 'Tua Luang' or "Yellow Bean". Grown in hot lowlands, elevation to 1,000 feet in northern Thailand.

261272. 'Tua Nao' or "Stinking Bean". Grown by primitive hill tribes, elevation to 5,000 feet in northern Thailand and Laos.

261273 to 261286.

From New Guinea. Rhizomes collected by J. J. Ochse, United Fruit Company, Banana Expedition. Received Nov. 12, 1959.

From Hollandia.

261273 to 261275. MUSA ACUMINATA Colla Musaceae.

261273. O-18. 'Drum'. Plants to 2.5 meters high; fruit skin yellow when ripe; seeds many.

261274. O-26. 'Drum Maskawai'. Plants to six meters high.

261275. O-28. 'Onduarku'. Fruit in large bunches; nine hands each with 16 fingers; bracts red.

261273 to 261286—Continued**261276 to 261285.** *MUSA* × *PARADISIACA* L.**Plantain.****261276.** O-17. 'Cengi-undu'. Elevation 100 meters. Plant to three meters high; juice white.**261277.** O-19. 'Mandang'. Elevation 100 meters.**261278.** O-20. 'Aanduk'. Elevation 100 meters. Plants to 3 meters high; only 2 hands, each with 9 fingers.**261279.** O-21. 'Dare'. Plant to 3 meters high; only 5 hands, each with 14 fingers.**261280.** O-22. 'Kenjo'. Elevation 225 meters. Pseudostems brown; green.**261281.** O-23. 'Kapas'. Pseudostem green; plant 4 meters high; only 4 hands; each with 12 fingers.**261282.** O-24. 'Kainjo'. Elevation 125 meters. Stem to 2 meters high only 3 hands, each with 8 fingers.**261283.** O-25. Plants to 5 meters high; bunch small; 4 hands, each with 12 fingers; skin red.**261284.** O-29. Nine hands each with 22 fingers.**261285.** O-30. 'Undujamau'. Stem to 3 meters high; fruit 15 cm. long, 2.5 cm. diameter.**261286.** *MUSA* sp.

O-27. 'Ibodrum'.

261287 and 261288.

From Mexico. Tubers and plants collected by H. S. Gentry and D. S. Correll, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 17, 1959.

Sierra Mohinora, Chihuahua.

261287. *SOLANUM FENDLERI* A. Gray Solanaceae.

Col. No. 17995. Small herbs to 15 cm. high forming colony on rocks. Elevation, 7500 feet. (Tubers)

261288. *ECHEVERIA* sp. Crassulaceae.

Col. No. 18000. Flowers in small rosettes with white petals and purple anthers. Elevation 10,000 feet. (Plants)

261289. *CITRUS* sp. Rutaceae.

From New Guinea. Seeds presented by the Director of Agriculture, Stock and Fisheries, Port Moresby, Papua. Received Nov. 13, 1959.

Collected at the Plant Introduction Station, Laloki, near Port Moresby. "Sepora" which is grown for juice throughout the region; it has a small fruit.

261290. *POA BULBOSA* L. Poaceae.**Bulbous bluegrass.**

From the Netherlands. Seeds presented by the Agricultural University, Wageningen. Received Dec. 8, 1959.

Vivipara type.

261291 to 261298.

From Germany. Plants and seeds presented by George Arends, Wuppertal-Ronsdorf. Received Nov. 13, 1959.

261291 to 261293. Plants.**261291.** *ACONITUM* × *ARENDSII* Arends Ranunculaceae.**Monkshood.**

261291 to 261298—Continued**261291 to 261293—Continued**

261292. HYDRANGEA (hybrid). Hydrangeaceae.

'Hortensia'. *H. acuminata* × *H. macrophylla*.

261293. SEDUM (hybrid). Crassulaceae.

'Herbstfreude'. *S. spectabile* × *S. telephium*.

261294 to 261298. Seeds.

261294. PRIMULA × ARENDsii Pax Primulaceae.

Primrose.

'Multiflora'.

261295 to 261298. PRIMULA OBCONICA Hance

Top primrose.

261295. 'Atrocoerulea'.

261296. 'Neulachs'.

261297. 'Arends Alba-nova'.

261298. 'Ronsdorfer Dunkelrote'.

261299 and 261300. CAJANUS CAJAN (L.) Druce. Fabaceae.

Pigeonpea.

From India. Seeds presented by the Indian Agricultural Research Institute, New Delhi. Received Nov. 16, 1959.

261299. Normal plants.

261300. Prostrate mutant.

261301 to 261304.

From Mozambique. Seeds presented by the Center for the Scientific Investigations of Cotton, Lourenco Marques. Received Nov. 16, 1959.

261301. ABUTILON sp. Malvaceae.

G. Barbosa et L. Macuacua, No. 8680.

261302. CORCHORUS sp. Tiliaceae.

G. Barbosa et L. Macuacua, No. 8681.

261303. HIBISCUS sp. Malvaceae.

G. Barbosa et L. Macuacua, without number.

261304. SANSEVIERIA sp. Liliaceae.

G. Barbosa et L. Macuacua, No. 8679.

261305 to 261309.

From Portugal. Bulbs and cuttings collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 16, 1959.

261305. BEGONIA PAULENSIS A. DC. Begoniaceae.

Col. No. 7393. Public market, Oporto. Plants rhizomatous; leaves to 1 foot across; flowering scapes to 18 inches long, succulent, flowers white; fruit red, hairy. (Cuttings.)

261306. CAMELLIA JAPONICA L. Theaceae.

Common camellia.

Col. No. 7416. Park de Pena, Sierra de Sintra, Lisbon. Leaves white edged; flowers deep pink, opening flat, single type. (Cuttings.)

261307. CROCUS CLUSII J. Gay. Iridaceae.

Col. No. 7382. Thirty miles east of Oporto. Flowers rose-violet. (Bulbs).

261308. DACRYDIUM CUPRESSINUM Soland ex Lamb Taxaceae. **Rimu.**

Col. No. 7415. Park de Pena, Sierra da Sintra, Lisbon. Evergreen tree to 30 feet high; branches and twigs weeping. (Cuttings.)

261305 to 261309—Continued

261309. *DACRYDIUM CUPRESSINUM* Soland ex Lamb Rimu.

Col. No. 7398. Quinto de Monserrate, Sierra da Sintra, Lisbon. Tree to 40 feet high; branches and twigs pendulous; bark whitish.

261310 to 261325.

From Indonesia. Seed (unless otherwise noted) collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 16, 1959.

261310 to 261325. Botanical Garden, Bogor.

261310. *ALOCASIA* sp. Araceae.

Col. No. LW-222. From Sumatra.

261311. *BAUHINIA ACUMINATA* L. Caesalpiniaceae. Snowy bauhinia.

Col. No. LW-194. Flowers three inches across, pure white.

261312. *CASSIA SURATTENSIS* Burm. f. Caesalpiniaceae.

Col. No. LW-193. Small tree; flowers pale yellow.

261313. *CYANASTRUM BUSSEI* Engl. Pontederiaceae.

Col. No. LW-234. From Africa. (Bulbs).

261314. *CYANASTRUM CORDIFOLIUM* Oliver

Col. No. LW-233. (Corms).

261315. *LUZURIAGA LAXIFOLIA* H. Hallier Liliaceae.

Col. No. LW-189. Climber.

261316. *PARALINOSPADIX GEONOMIFORMIS* Burret. Phoenicaceae. Palm.

Col. No. LW-195. Plant to eight feet high.

261317. *PHALERIA WICHMANNII* Valetton Thymelaeaceae.

Col. No. LW-197. Small tree.

261318. *PHALERIA* sp.

Col. No. LW-187. Cauliflorous small tree.

261319. *PHYLLANTHUS* sp. Euphorbiaceae.

Col. No. LW-191. Small tree; leaves ornamental; sumaclike.

261320. *PLEOMELE* sp. Liliaceae.

Col. No. LW-185. Shade plant to 2.5 feet high.

261321. *QUASSIA AMARA* L. Simaroubaceae.

Col. No. LW-196. Small tree; flowers red.

261322. *STACHYTARPHETA* sp. Verbenaceae.

Col. No. LW-188. Herb to 6 feet high; flowers salmon-pink.

261323. *STIEFTIA CHRYSANTHA* Mikan. Asteraceae.

Col. No. LW-192. Shrub to 15 feet high; flowers orange.

261324. *TABERNAEMONTANA FLORIBUNDA* Glume Apocynaceae.

Col. No. LW-190. Fifteen foot tree; flowers white.

261325. *WARSZEWICZIA COCCINEA* (Vahl) Klotzsch. Rubiaceae.

Col. No. LW-186. Tree with red poinsettia-like flowers.

261326 to 261334.

From Mexico. Plants obtained by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 17, 1959.

261326. AGAVE sp. Amaryllidaceae.

Col. No. 17981. 'Lechuguilla'. Ten miles southwest of Nabogame, Chihuahua. Elevation 6,000 feet. Solitary plants, leaves narrow, green, filiferous, paint-marked, fine-spined, to 8 inches long.

261327 AGAVE sp.

Col. No. 17988. Sierra Chinatu, Chihuahua. Elevation 7,500 feet. Plants small, dark green; rosettes single and cespitose, about 10 inches across; leaves spreading, straight.

261328. AGAVE sp.

Col. No. 17989. Five miles southeast of Nabogame, Chihuahua. Plant same as P.I. 261327, but teeth more distal.

261329. AGAVE sp.

Col. No. 17990. Rocky, sunny slope. Guadalupe y Calvo, Chihuahua. Elevation 7,500 feet. Plant small, globose; rosettes green, multileaved, about 10 inches wide at maturity; leaves paint-marked.

261330. AGAVE sp.

Col. No. 18019. Fifteen miles northeast of El Vergel, Chihuahua. Plants glaucous, green, balled, compact; rosettes, stiff leaved, forming large clonal colonies; panicle to 3 feet high with 20 to 25 laterals.

261331. AGAVE sp.

Col. No. 18061. Rocky slope. Rio Florida and Durango highway. Plant with gray green rosettes; leaves ascending.

261332. AGAVE sp.

Col. No. 17922.

261333. AGAVE sp.**261334.** MANFREDIA sp. Amaryllidaceae.

Col. No. 18103. Rio San Juan basin, Chihuahua. Plant with single rosettes; leaves curving, conduplicated, light green and faintly red-spotted.

261335 to 261343.

From the Philippines. Suckers collected by P. H. Allen and N. G. Vakili, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 17, 1959.

261335 and 261336. MUSA ACUMINATA Colla. Musaceae.**Banana.**

261335. No. 2-7368. 'Agotay'. Mountainous area northeast of Mount Apo, Davao Province, Mindanao. Elevation 3,200 feet. Plants to 15 feet high and 8 inches diameter, at base; pseudostems purplish, black blotched; stools compact 15 hands; fingers ageotropic and pedicellated, 4 inches by .5 inch, beak at apex; fruits ripen yellow-green. Second growth scrub, dominated by tree ferns.

261336. No. 2-7371. 'Agotay'. Eastern slopes of Mount Apo, Upper Catigan Valley, Davao Province, Mindanao. Elevation 3,100 feet. Plant typical for area; male bracts purple rather than green.

261337. MUSA sp.

No. 27370. Eastern slopes of Mount Apo, Upper Catigan Valley, Davao Province, Mindanao. Elevation 2,950 feet. Pseudostems purple, brown blotched at upper leaf sheath; stools compact; bunch horizontal, 7 hands; fingers ageotropic to splayed, 4 by .3 inch; leaves purplish; male bract heavily striped purple on surface, yellowish within; pollen abundant; fruits yellow, seedy, edible.

261335 to 261343—Continued**261338. *Musa* sp.**

No. 2-7372. Sowawon, Saog, west of Compostela, Davao Province, Mindanao. Elevation 850 feet. Plants to 10 feet high, 7 inches diameter, at base; pseudostems green, light brown blotched; stools, compact; bunch pendulous, 6 hands; male bracts dull purplish, brown on outer surface, yellow with purplish edges within. Appears diploid.

261339. *Musa* sp.

No. 2-7373. 'Inahoy'. Forested hills west of Compostela, Davao Province, Mindanao. Elevation 850 feet. Pseudostems green with black blotches; stools compact; bunch pendulous, 8 hands; fingers pedicellate, ageotropic, 4 by 0.5 inch. Probably a triploid.

261340. *Musa* sp.

No. 2-7374. 'Inambak'. Elevation 800 feet. Plant solitary 12 feet by 10 inches at base; suckers many; pseudostem yellowish-green; bunch horizontal, 9 compact hands; fingers 4 by 1.5 inches; male bracts yellow, several lifting at the same time.

261341. *Musa* sp.

No. 2-7375. Balawan, Makilala, Cotabato Province, Mindanao. Elevation 1,100 feet. Plants to 10 feet high by 10 inches diameter, at base; pseudostems light green, light brown blotches; bunch horizontal, 7 hands, fingers partially ageotropic, pedicellate, splayed, 3 by .6 inch parthocarpic.

261342. *Musa* sp.

No. 2-7376. 'Binactong'. Balawan, Makilala, Cotabato Province, Mindanao. Elevation 1,500 feet. Plants to 9 feet high by 4 inches diameter at base; pseudostems few, green with slight blackish tinge; stools compact; bunch subhorizontal, 4 hands, fingers pedicellate and splayed.

261343. *Musa* sp.

No. 2-7377. 'Guyod'. Kadalian, Calinan, mountainous area northeast of Apo Volcano, Davao Province, Mindanao. Elevation 2,000 feet. Pseudostems to 10 feet high by 8 inches diameter at base, green with scattered black blotches; stooling; 9 hands pendulous; male bract greenish-yellow; foliage susceptible to leave spot.

261344 to 261364. *CLEMATIS* (hybrids). *Ranunculaceae*.

From France. Plants presented by Andra Girault, Horticulteur-Pepinieriste, Orleans (Loiret). Received Nov. 18, 1959.

261344. 'Alba Luxurians'.**261355.** 'Pourpre Mat'.**261345.** 'Bagatelle'.**261356.** 'Purpurea Plena'.**261346.** 'Caravelle'.**261357.** 'Queen Alexandra'.**261347.** 'Colette Deville'.**261358.** 'Rubella'.**261348.** 'Dr. Andre Devillers'.**261359.** 'Sir du Cap', 'Thuilleaux'.**261349.** 'Dr. Lebele'.**261360.** 'Venosa'.**261350.** 'Gem'.**261361.** 'Ville de Limoges'.**261351.** 'Kermesina'.**261362.** 'Ville de Paris'.**261352.** 'Le Cid'.**261363.** 'Yvette Houry'.**261353.** 'Mme. Van Houtte'.**261364.** 'Xerxes'.**261354.** 'Modesta'.**261365. *URGINEA MARITIMA* (L.) Baker *Liliaceae*. **Sea-onion.****

From Portugal. Bulbs collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 19, 1959.

Col. No. 7423. 'Squill'. Rocky slopes 900 feet above the Dauro River, 35 miles east of Oporto. Bulbs to 4 inches in diameter; leaves grow in autumn and flowers in spring.

261366 to 261398.

From Indonesia. Plants and cuttings, collected by W. H. Hodge, collaborator,
New Crops Research Branch, Crops Research Division, Beltsville, Md.
Received Nov. 19, 1959.

Botanical Garden, Bogor.

261366. *AGLAONEMA* sp. Araceae.

No. LW-211. Creeper from Java.

261367. *ALOCASIA* sp. Araceae.

No. LW-221. Plant to 3 feet high.

261368. *BOERLAGIODENDRON NOVO-GUINEENSE* Harms Araliaceae.

No. LW-231. From New Guinea.

261369. *CALATHEA LIETZEI* E. Morren. Marantaceae.

No. LW-200. Leaves variegated. From Brazil.

261370. *CALATHEA PICTURATA* (Linden) Koch. & Lind.

No. LW-206. Leaves purplish below, variegate above. Brazil.

261371. *CALATHEA TRIFASCIATA* Koern

No. LW-201. Leaves variegated. Brazil.

261372. *CALATHEA UNDULATA* Regel

No. LW-205. Ground cover leaves variegated. Ecuador.

261373. *CALATHEA* sp.

No. LW-202. Leaves variegated. Brazil.

261374. *CALATHEA* sp.

No. LW-204. Creeper; leaves variegated; purplish below.

261375. *CORDYLINE* sp. Liliaceae.

No. LW-229. Leaves pink, white and green.

261376. *CORDYLINE YOUNGH* Hort.

No. LW-228.

261377. *CULCASIA MANNII* Engl. Araceae.

No. LW-214. Ground cover; leaves pale green.

261378. *HITCHENIOPSIS KUNSTLERI* Ridley Zingiberaceae.

No. LW-218. Low plant.

261379. *HOLOCHLAMYS* sp. Araceae.

No. LW-226. Plant to several feet high. From New Guinea.

261380. *HOMALOMENA HUMILIS* Hook. f. Araceae.

No. LW-216. 'Major Pygmaea'. Creeping aroid. From Java.

261381. *HOMALOMENA POLYANDRA* Alderwer

No. LW-225. Forest herb.

261382. *HOMALOMENA RUBRA* Hassk.

No. LW-215. Ground cover. From Java.

261383. *HOMALOMENA SULCATA* Engl.

No. LW-207. Creeping ground cover. Java.

261384. *HOMALOMENA WALLISI* Regel.

No. LW-212. Leaves variegated.

261385. *LYCOPodium CARINATUM* Desv. Lycopodiaceae.

No. LW-213. Epiphyte.

261366 to 261398—Continued

261386. *MARANTA SPLENDIDA* Lem. Marantaceae.

No. LW-198. Leaves variegated. Brazil.

261387. *PLEIOSTACHYA PRUINOSA* K. Schum. Marantaceae.

No. LW-219. Plant to 8 feet; foliage dark green above, purplish below.

261388. *SANSEVERIA CYLINDRICA* Bojer. Liliaceae.

No. LW-230. 'Xerophyte'. Africa.

261389. *SCHISMATOGLOTTIS CONCINNA* var. *MACULATA* N.E. Br. Araceae.

No. LW-209. Ground cover.

261390. *SCHISMATOGLOTTIS PICTA* Schott

No. LW-227. Creeping aroid.

261391. *SPATHIPHYLLUM* sp. Araceae.

No. LW-224. Flowers showy. From New Guinea.

261392. *STACHYPHRYNIUM GRIFFITHII* K. Schum. Marantaceae.

No. LW-217. Plant to three feet high.

261393. *STACHYPHRYNIUM JAGORIANUM* (C. Koch) Schum.

No. LW-210. Forming small clumps as ground cover. From Java.

261394. *STROMANTHE SANGUINEA* Sond. Marantaceae.

No. LW-199. Plant to six feet; leaves deep purple beneath.

261395. *TREVESIA BURCKII* Boerl. Araliaceae.

No. LW-232. Tree from Sumatra.

261396. Undetermined. Asclepiadaceae.

No. LW-203. Climber.

261397. Undetermined. Araceae.

No. LW-208. Ground cover; leaves variegated. From Sumatra.

261398. Undetermined. Marantaceae.

No. LW-220. Forming clumps, creeping on ground; leaves variegated; flowers small, white at base of plant. From Java.

261399. *CITRUS* sp. Rutaceae.

From Thailand. Seeds presented by Garland Bare, Missionary, Pua Nan Province. Received Nov. 30, 1959.

Fruit very acid. Elevation 1,000 feet.

261400 to 261402.

From Canada. Seeds presented by Hogg & Lytle Limited, Oakwood, Ontario. Received Nov. 19, 1959.

261400 and 261401. *SECALE CEREALE* L. Poaceae.

Rye.

261400. 'Bjorn Fall'.

261401. 'Double Steel Fall'.

261402. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

'Diana Fall No. 0261'.

261403 to 261438.

From Indonesia. Cuttings (unless otherwise noted) collected by W. H. Hodge, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received November 19, 1959.

Botanical Garden, Bogor.

261403 to 261438—Continued

261403. *ACALYPHA*. Euphorbiaceae.

No. LW-247. Shrub; leaves green and white variegated.

261404. *AGLAODORUM GRIFFITHII* Schott Araceae.

No. LW-263. Aquatic; leaves erect in clumps.

261405. *ANUBIAS LANCEOLATA* N.E. Br. Araceae.

No. LW-262. Aquatic in shallow water.

261406. *ARACHIS* sp. Fabaceae.

No. LW-238. Cultivated.

261407. *CANNA GLAUCA* L. Cannaceae.

No. LW-256. Aquatic canna growing to 6 feet high; flowers yellow.

261408. *CYRTOSPERMA HASTATUM* Alderwer Araceae.

No. LW-260. Shallow water aquatic aroid.

261409. *CYRTOSPERMA LASIODES* Griffith

No. LW-264. Large aquatic; leaves to six feet long. Native to Malaya.

261410. *CYRTOSPERMA MERKUSII* Schott

No. LW-256. Aquatic aroid growing to six feet high.

261411. *CYRTOSPERMA JOHNSTONII* N.E. Br.

No. LW-259. Shallow water aroid to 10 feet high.

261412. *ECHINODORUS* sp. Alismaceae.

No. LW-266. Aquatic; flowers large.

261413. *EPIPREMNUM CERAMENSE* (Engl. S. Krouse) Alderwer Araceae.

No. LW-245. 'Flavispathium'. Scandent aroid.

261414. *EPIPREMNUM MAMPUANUM* Alderwer

No. LW-246. Scandent aroid.

261415. *HOYA* sp. Asclepiadaceae.

No. LW-236. Creeping epiphyte. From Antonia.

261416. *KOPSIA ALBIFLORA* Blume Apocynaceae.

No. LW-249. Shrub to eight feet high; flowers white, starlike, two inches across.

261417. *KOPSIA FRUTICOSA* (Ker.) A. DC.

No. LW-240. Shrub to eight feet high; flowers pink.

261418. *LASIA ACULEATA* Lour. Araceae.

No. LW-255. Large erect aquatic aroid.

261419. *LIMNOCHARIS FLAVA* (L.) Buch. Butomaceae.

No. LW-261. Aquatic; flowers yellow.

261420. Undetermined. Araceae.

No. LW-223. Scrambling vine.

261421. *BAUHINIA WINITII* Craib Caesalpiniaceae.

No. LW-243. Vine that can be trained as shrub or hedge plant; flowers large.

261422. *OCHNA* sp. Ochnaceae.

No. LW-242. Slow growing shrub to eight feet high; flowers in dense clusters, yellow.

261403 to 261438—Continued

261423. *POTHOS HERMAPHRODITUS* Merrill Araceae.

No. LW-250. Scandent aroid; leaves compound fernlike; cultivated.

261424. *RANDIA MALLEIFERA* Benth. & Hook. f. Rubiaceae.

No. LW-251. Large shrub; flowers hanging, large, white.

261425. *RHAPHIDOPHORA PEPLOIDES* Engl. Araceae.

No. LW-258. Scandent aroid. Cultivated.

261426. *STERIPHOMA ELLIPTICA* Spreng. Capparaceae.

No. LW-241. Straggly shrub to five feet high; flowers orange.

261427. *WARSZEWICZIA COCCINEA* (Vahl) Klotzsch. Rubiaceae.

No. LW-244. Small tree; bracts red, over yellow flowers.

261428. Undetermined. Apocynaceae.

No. LW-252. Plant to 25 feet high.

261429. *ANUBIAS LANCEOLATA* N. E. Br. Araceae.

No. LW-254. Aquatic aroid to four feet high. (Seeds).

261430. *ARENGA AMBONG* Becc. Phoenicaceae.

Palm.

No. LW-264. Large aquatic; leaves to six feet long. (Seeds).

261431. *CYRTOSPERMA LASIODES* Griffith Araceae.

No. LW-264. Large aquatic; leaves to six feet long. Native to Malaya. (Seeds).

261432. *CYRTOSPERMA MERKUSII* Schott

No. LW-256. Aquatic aroid to six feet high. (Seeds).

261433. *DILLENIA* sp. Dilleniaceae.

No. LW-268. Small tree or shrub; flowers large, showy, yellow; fruit colorful, dehiscent, star-shaped. (Seed).

261434. *MONOCHORIA HASTAEFOLIA* Presl. Pontederiaceae.

No. LW-258. Pontederia-like aquatic. (Seed).

261435. *NELUMBO NUCIFERA* Gaertn. Nymphaeaceae.

Hindu lotus.

No. LW-239. Flowers pink. (Seed).

261436. *NEPTUNIA PLENA* Benth. Mimosaceae.

No. LW-253. Aquatic sensitive plant; flowers yellow. (Seed).

261437. *SAGITTARIA LANCIFOLIA* L. Alismaceae.

No. LW-267. Aquatic; stalks to 6 feet high; leaves to 3 feet long; flowers white. (Seed).

261438. Undetermined.

No. LW-252. (Seed).

261439. *TRIFOLIUM PRATENSE* L. Fabaceae.

Red clover.

From Yugoslavia. Seeds presented by the Agricultural Attache, United States Embassy, Belgrade. Received Dec. 8, 1959.

261440. *DENDROCALAMUS STRICTUS* Nees Poaceae.

Bamboo.

From Puerto Rico. Plants presented by the Federal Experiment Station, Mayaguez. November 20, 1959.

261441 and 261442.

From Portugal. Seeds collected by F. G. Meyer, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Nov. 25, 1959.

261441. *ILEX PERADO* Ait. Aquifoliaceae.

English holly.

Col. No. 7396. Quinta de Monserate, Sierra de Sintra, Galso, Lisbon. Evergreen tree to 15 feet high; leaves 3 inches long, very wide, barely spiny, lustrous; berries red.

261442. *PITTOSPORUM HUTTONIANUM* T. Kirk. Pittosporaceae.

Col. No. 7404. Park de Pena Sierra de Sintra. Evergreen shrub or tree to 20 feet high.

261443 to 261449. PRUNUS ARMENIACA L. Amygdalaceae.

Apricot.

From Korea. Seeds presented by the United States Operations Mission, Seoul. Received Nov. 25, 1959.

Collected near Kimhae, Kyongsang Namdo Province.

261443. A. 12 seed

261447. E. 19 seed

261444. B. 40 seed

261448. F. 6 seed

261445. C. 10 seed

261449. G. 50 seed

261446. D. 14 seed

261450 to 261454. SACCHARUM (hybrids) Poaceae.

Sugarcane.

From the British West Indies. Seeds presented by the Central Sugarcane Breeding Station, Barbados. Received No. 25, 1959.

261450. B.5401.

261453. B.54142.

261451. B.5480.

261454. B.54277.

261452. B.46364.

261455 to 261464.

From Portugal. Seedlings and cuttings presented by the Centro de Investigacao das Ferrugens do Cafeeiro. Received Nov. 30, 1959.

261455 to 261462. *COFFEA ARABICA* L. Rubiaceae.

Arabian coffee.

261455. Type D. Cof. 32/1—Selection DK 1/6. Seedling.

261456. Type G. Cof. 33/1—Selection 288-23. Seedling.

261457. Type G. Cof. 34/1—Selection 353-4/5. Cutting.

261458. Type C. Cof. 87/6—Selection Geisha. Cutting.

261459. Type G. Cof. 106/1—Selection B.A. 36. Cutting.

261460. Type 1. Cof. 110/2—Selection S 4 Agaro. Cutting.

261461. Type 1. Cof. 113/1—Selection S 6 Cioiccie. Cutting.

261462. Type 1. Cof. 134/4—Selection S 12 Kaffa. Seedling.

261463 and 261464. *COFFEA CANEPHORA* (Pierre.) Froehn.

Robusta coffee.

261463. Type A. Cof. B P 39. Cutting.

261464. Type A. Cof. B P 42. Cutting.

261465. Undetermined.

From Thailand. Tubers presented by the Agricultural Attache, United States Embassy, Bangkok. Received Nov. 30, 1959.

Vine type.

261466 to 261475. GLYCINE MAX (L.) Merr. Fabaceae. Soybean.

From Japan. Seeds presented by the Laboratory of Plant Breeding, Hyogo Agricultural College, Sasayama, Hyogo. Received Nov. 30, 1959.

261466 to 261469. From Kyushu.

261466. 'Higodaizu'. Green, probably result of immaturity.

261467. 'Saikai No. 3'. Yellow.

261468. 'Saikai No. 6'. Yellow.

261469. 'Wasedaizu No. 1'. Yellow.

261470 to 261473. From Hokkaido. Yellow.

261470. 'Ishikari-jiro No. 1'.

261471. 'Ohyazi No. 2'.

261472. 'Ranetsu No. 1'.

261473. 'Shiro-kotsubu'.

261474 and 261475. From Manchuria. Yellow.

261474. 'Kohoku'.

261475. 'Shika No. 1'.

261476 to 261576.

From Great Britain. Plants purchased from Hillier & Sons, Winchester, England. Received Dec. 2, 1959.

261476. *ABIES CONCOLOR* (Gord.) Hoopes Pinaceae.

White fir.

261477. *ABIES GEORGEI* Orr.

261478. *ABIES KAWAKAMII* Hayata

261479. *ABIES PINDROW* var. *BREVIFOLIA* Dall. & Jacks.

'Gamblei'.

261480. *ABIES RELIGIOSA* Lindl.

261481. *ABIES* sp.

K.W. 21008.

261482. *CEDRUS BREVIFOLIA* (Hook. f.) Henry Pinaceae.

Cyprian cedar.

261483. *CEDRUS DEODARA* (Lamb.) Land.

Deodar cedar.

'Alba Spica'.

261484 and 261485. *JUNIPERUS CHINENSIS* L. Pinaceae.

Chinese juniper.

261484. 'Globosa Cinerea'.

261485. 'Squarrosa Intermedia Pygmaea'.

261486. *JUNIPERUS RECURVA* (Buch. & Ham.) D. Don

Himalayan juniper.

'Nana'.

261487. *JUNIPERUS VIRGINIANA* L.

Eastern redcedar.

261488. *LARIX DECIDUA* Mill. Pinaceae.

European larch.

'Fastigiata'.

261489. *PICEA ABIES* (L.) Karst. Pinaceae.

Norway spruce.

'Humilis'.

261490. *PICEA ABIES* f. *PYRAMIDATA* (Carr.) Rehder

'Pyramidalis'.

261491. *PICEA MORRISONICOLA* Hayata

Spruce.

261492. *PICEA ORIENTALIS* (L.) Link

Oriental spruce.

261476 to 261576—Continued

261493. *PINUS MUGO* Turra. Pinaceae. Swiss mountain pine
'Gnome'.
261494. *PINUS MONTEZUMAE* Lambert
261495. *PINUS PARVIFLORA* Sieb. & Zucc. Japanese white pine.
A dwarf form.
261496. *PINUS PUMILA* (Pallas.) Regel Japanese stone pine.
- 261497 to 261499. *PINUS SYLVESTRIS* L. Scotch pine.
261497. 'Beauvronensis'.
261498. 'Pumila'.
261499. 'Viridis Compacta'.
261500. *PINUS TABULAEFORMIS* Carr.
'Yunnanensis'.
261501. *PRUNUS PROSTRATA* Labill Amygdalaceae. Mountain cherry.
261502. *SALIX* × *BOYDII* E. F. Linton Salicaceae.
261503. *SALIX GRAHAMII* Borrer.
261504. *SALIX RETUSA* L.
261505. *ATHROTAXIS CUPRESSOIDES* D. Don Pinaceae.
- 261506 to 261515. *CHAMAECYPARIS LAWSONIANA* (Murray) Parl. Pinaceae.
Lawson falsecypress.
261506. 'Filgate'. 261511. 'Pottenii'.
261507. 'Gimbonni'. 261512. 'Pulcherrima'.
261508. 'Golden King'. 261513. 'Pyramidalis Alba'.
261509. 'Kirmacurragh'. 261514. 'Schongariana'.
261510. 'Pembury Blue'. 261515. 'Spek'.
261516. *CHAMAECYPARIS LAWSONIANA* f. *ALBO-SPICA* (Nichols) Schneider
- 261517 to 261526. *CHAMAECYPARIS LAWSONIANA* f. *ERECTA* (Jager) Schneider
261517. Typical. 261522. 'Depenski'.
261518. 'Alba'. 261523. 'Filiformis Compacta'.
261519. 'Aurea'. 261524. 'Lanai'.
261520. 'Blom'. 261525. 'Monumentalis Nova'.
261521. 'Bruini'. 261526. 'Wiltzeliana'.
261527. *CHAMAECYPARIS LAWSONIANA* f. *FILIFORMIS* (Kent) Beissner
261528. *CHAMAECYPARIS LAWSONIANA* f. *LUTEA* Schneider
261529. *CHAMAECYPARIS NOOTKATENSIS* (Lambert) Spach. Nootka falsecypress.
'Compacta'.
- 261530 to 261541. *CHAMAECYPARIS OBTUSA* (Sieb. & Zucc.) Endl. Hinoki falsecypress.
261530. 'Contorta'. 261536. 'Mariesii'.
261531. 'Flabelliformis'. 261537. 'Minima'.
261532. 'Intermedia'. 261538. 'Spicalis'.
261533. 'Juniperoides'. 261539. 'Tetragona Aurea'.
261534. 'Juniperoides Compacta'. 261540. No. 2.
261535. 'Kosteri Nana'. 261541. No. 3.

261476 to 261576—Continued**261574 and 261575.** *THUJA PLICATA* D. Don

261574. 'Aurea Rogersii'.

261575. 'Zebrina'.

261576. *PICEA SCHRENKIANA* Fisch. & Mey. Pinaceae.**Schrenk spruce.****261577 to 261580.**

From Sudan. Seeds presented by the Cotton Breeding Section, Ministry of Agriculture, Shambat, Khartoum. Received Dec. 3, 1959.

261577. *CIENTFUEGOSIA HILDEBRANDTII* Garcke. Malvaceae.**261578.** *GOSSYPIUM INCANUM* Malvaceae.**Cotton.****261579.** *NOTOXYLINON AUSTRALE* (Muell.) Lewton. Malvaceae.**261580.** *THESPESIA DANIS* Oliver Malvaceae.**261581 to 261583.**

From Israel. Seeds presented by the Forest Research Institute, Nathanya. Received Dec. 3, 1959.

261581. *QUERCUS CALLIPRINOS* Webb. Fagaceae.**Oak.****261582.** *QUERCUS INFECTORIA* Olivier**261583.** *QUERCUS* × *AUDLEYENSIS* Henry*Q. ilex* × *Q. petraea*.**261584 to 261590.**

From Mexico. Plants collected by H. S. Gentry and J. Arguelles, agricultural explorers, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 4, 1959.

261584. *AGAVE FILIFERA* Salm-Dyck. Amaryllidaceae.

Col. No. 18157. Forty-one miles southwest of El Salto, Durango.

261585. *AGAVE PEDUNCULIFERA* Trel.

Col. No. 18182. Palmito, Durango. Elevation 7,000 feet. Plant with glaucous green single rosettes; leaves variable; spikes to 7 feet high; segments spreading, pale yellow; ovaries light green; anthers yellow.

261586. *AGAVE* sp.

Col. No. 18142. Eighteen miles northwest of LaZorca, Durango. Plant with small gray rosettes; leaves and teeth variable; panicles to three inches.

261587. *AGAVE* sp.

Col. No. 1824. Scattered along roadside south slope of Rio Nazas basin, Durango. Numerous ecotypes; leaves grouped, to four feet long.

261588. *DUDLEYA* sp. Crassulaceae.

Col. No. 18185. Palmito, Durango. Elevation 7,000 feet. Inflorescence glaucous, bright pink to orange.

261589. *EQUISETUM* sp. Equisetaceae.

Col. No. 18188. Rock face with moss and ferns, Palmito, Durango. Elevation 7,000 feet. Plant pendulous.

261590. *MANFREDA* sp. Amaryllidaceae.

Col. No. 18225. Large colony twenty-three miles southwest of Ciudad, Durango. Plant with small, few-leaved rosettes; some leaves with red spots; no spikes.

261591 to 261624.

From Spain. Seeds collected by Elmo W. Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 4, 1959.

261591. *ALLIUM CEPA* L. Liliaceae. **Onion.**

Col. No. D-69. 'Cebolla Valenciana'. Vallodolid.

261592. *ALLIUM PORRUM* L. **Leek.**

Col. No. D-55. Alavesas, Vitoria.

261593 and 261594. *BETA VULGARIS* var. *CICLA* L. Chenopodiaceae. **Swiss chard.**

261593. Col. No. D-58. Alvases, Vitoria.

261594. Col. No. D-72. Vallodolid.

261595 and 261596. *BORAGO OFFICINALIS* L. Boraginaceae. **Common borage.**

261595. Col. No. D-57. Alavesas, Vitoria.

261596. Col. No. D-70. Vallodolid.

261597 to 261599. *BRASSICA OLERACEA* var. *BOTRYTIS* L. Brassicaceae. **Cauliflower.**

261597. Col. No. D-59. Alavesas, Vitoria.

261598. Col. No. D-60. 'Temprana'. Alavesas, Vitoria.

261599. Col. No. D-61. 'Tardia'. Alavesas, Vitoria.

261600 to 261605. *BRASSICA OLERACEA* var. *CAPITATA* L. **Cabbage.**

261600 to 261603. Alavesas, Vitoria.

261600. Col. No. D-62. 'Brunswick'. 'Iruna Temprana'.

261601. Col. No. D-63. 'Bacalan Temprana'.

261602. Col. No. D-64. 'Corazon de Buey'.

261603. Col. No. D-65. 'Asa de Cantaro'.

261604. Col. No. D-77. Blue. Vallodolid.

261605. Col. No. D-78. Vallodolid.

261606. *CAPSICUM FRUTESCENS* L. Solanaceae. **Redpepper.**

Col. No. D-73. Vallodolid. Fruits used for red pepper of pickling.

261607. *CICHORIUM ENDIVIA* L. Cichoriaceae. **Endive.**

Col. No. D-84. Vallodolid.

261608 and 261609. *CUCUMIS SATIVUS* L. Cucurbitaceae. **Cucumber.**

261608. Col. No. D-53. Alavesas, Vitoria.

261609. Col. No. D-71. Vallodolid.

261610. *CUCURBITA PEPO* L. Cucurbitaceae. **Pumpkin.**

Col. No. D-76. Vallodolid. Eight inches long.

261611 and 261612. *CYNARA CARDUNCULUS* L. Asteraceae. **Cardoon.**

261611. Col. No. D-56. Vitoria.

261612. Col. No. D-68. Vallodolid.

261613 and 261614. *DAUCUS CAROTA* L. Apiaceae. **Carrot.**

Vallodolid.

261613. Col. No. D-74. Medium large.

261614. Col. No. D-75. 'St. Valerio'.

261591 to 261654—Continued

- 261615 to 261618.** *LACTUCA SATIVA* L. Cichoriaceae. **Lettuce.**
 Vallodolid.
- 261615.** Col. No. D-80.
- 261616.** Col. No. D-81.
- 261617.** Col. No. D-82.
- 261618.** Col. No. D-83.
- 261619.** *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.**
 Col. No. D-54. Vitoria.
- 261620 to 261621.** *PHASEOLUS VULGARIS* L. Fabaceae. **Common bean.**
 Vitoria.
- 261620.** Col. No. D-51. Seed produced in Rioja.
- 261621.** Col. No. D-52. Seed produced in Leon.
- 261622 to 261624.** *PISUM SATIVUM* L. Fabaceae. **Pea.**
 Vitoria.
- 261622.** Col. No. D-43. Seed produced in Rioja.
- 261623.** Col. No. D-44. Seed produced in Rioja.
- 261624.** Col. No. D-45. Seed produced in Rioja.
- 261625.** *BRAVOA SINGULIFLORA* Wats. Amaryllidaceae.
 From Mexico. Bulbs collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 7, 1959.
 Col. No. 18015. Fifteen miles northeast of El Vergel, Chichuahua.
- 261626.** *SACCHARUM* (hybrid). Poaceae. **Sugarcane.**
 From Colombia. Cuttings presented by the Ministry of Agriculture, Departamento de Investigacion Agropecuaria, Granja Agricola Experimental Palmira. Received Dec. 10, 1959.
 E.P.C. 40.510.
- 261627 to 261637.**
 From Spain. Seeds collected by Elmo W. Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 7, 1959.
- 261627.** *BRASSICA* sp. Brassicaceae.
 Col. No. D-79. Vallodolid, ex German.
- 261628.** *BRASSICA* sp.
 Col. No. D-85. Vallodolid, ex French.
- 261629.** *ERUCA SATIVA* Mill. Brassicaceae. **Rocket-salad.**
 Col. No. D-66. Valbuena De De Duero, 40 km. from Vallodolid, road to Soria.
- 261630 to 261636.** *PISUM SATIVUM* L. Fabaceae. **Pea.**
261630 to 261634.
 Vitoria. Produced in Rioja.
- 261630.** Col. No. D-46. **261633.** Col. No. D-49.
- 261631.** Col. No. D-47. **261634.** Col. No. D-50.
- 261632.** Col. No. D-48.

261627 to 261637—Continued**261630 to 261636—Continued****261635 and 261636.** *Vallodolid.***261635.** Col. No. D-87.**261636.** Col. No. D-88.**261637.** *VICIA FABA* L. *Fabaceae.***Broadbean.**Col. No. D-42. *Vitoria.* Seed or pods may be eaten.**261638 to 261678.**

From the Netherlands. Seeds collected by Elmo Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 7, 1959.

261638 and 261639. *ALLIUM SCHOENOPRASUM* L. *Liliaceae.***Chive.****261638.** Col. No. D-239. Vander Ploeg, Zwijndrecht. Plants small.**261639.** Col. No. D-240. Vander Ploeg, Zwijndrecht. Plants large, coarse,**261640 and 261641.** *ASPARAGUS OFFICINALIS* L. *Convallariaceae.***Garden asparagus.****261640.** Col. No. D-246. Institute for Horticultural Plant Breeding, Wageningen. Flowers perfect.**261641.** Col. No. D-247. Institute for Horticultural Plant Breeding, Wageningen. Flowers perfect.**261642 and 261643.** *BRASSICA OLERACEA* var. *CAPITATA* L. *Brassicaceae.***Cabbage.****261642.** Col. No. D-214. 'F. Bohmerwald kohl A'. Institute of Horticultural Plant Breeding, Wageningen. Plants club-root resistant.**261643.** Col. No. D-215. 'F. Bindsachsener'. Institute of Horticultural Plant Breeding, Wageningen. Plant club-root resistant.**261644.** *CUCUMIS MELO* L. *Cucurbitaceae.***Muskmelon.**

Col. No. D-213. 'Westlandse Enkele'. Institute for Horticultural Plant Breeding, Wageningen. Fruits early with single net.

261645. *CUCUMIS SATIVUS* L.**Cucumber.**

Col. No. D-212. Institute for Horticultural Plant Breeding, Wageningen. Plant possible resistant to downy mildew. Said to be from India.

261646 to 261650. *DAUCUS CAROTA* L. *Apiaceae.***Carrot.**

From the Institute for Horticultural Plant Breeding, Wageningen.

261646. Col. No. D-241. 'Nakumura-Senkofuto'. May be nematode resistant. Japan.**261647.** Col. No. D-242. 'M.S. Langum'. Japan.**261648.** Col. No. D-243. 'Kokubu'. Possibly nematode resistant.**261649.** Col. No. D-244. 'Flakheese'. Roots tapering, good color.**261650.** Col. No. D-245. 'High Carotene'. Breeding material only.**261651.** *LACTUCA VIROSA* L. *Cichoriaceae.*

Col. No. D-204. W11. Experiment Station for growing vegetables under glass, Naaldwijk. Downy mildew resistant. Portugal.

261652. *PISUM ELATIUS* Bieb. *Fabaceae.***Mediterranean pea.**

Col. No. D-238. Institute of Horticultural Plant Breeding, Wageningen.

261653. *LACTUCA SALIGNA* L. *Cichoriaceae.***Lettuce.**

Col. No. D-205. Experiment Station for growing vegetables under glass, Naaldwijk. Plant downy mildew resistant. Portugal.

261638 to 261678—Continued**261654 to 261656.** *LACTUCA SATIVA* L.**Lettuce.**

From the Experiment Station for growing vegetables under glass, Naaldwijk.
Plant downy mildew resistant.

261654. Col. No. D-201. 'Imperial', Iceberg type.**261655.** Col. No. D-202. 'Grand Rapids'.**261656.** Col. No. D-203. 'Salad Trim'.**261657 to 261678.** *PISUM SATIVUM* L. Fabaceae.**Pea.**

From the Institute of Horticultural Plant Breeding, Wageningen.

261657 to 261675. Edible podded varieties.**261657.** Col. No. D-216. 'Zwaani Orien'.**261658.** Col. No. D-217. 'Goldkonogon'.**261659.** Col. No. D-218. 'Pronto'.**261660.** Col. No. D-219. 'Overload'.**261661.** Col. No. D-220. 'Serpette Vert.'.**261662.** Col. No. D-221. 'Cupido'.**261663.** Col. No. D-222. 'Crescent'.**261664.** Col. No. D-223. 'Goudvaantje'. 'Good Advantage'.**261665.** Col. No. D-224. 'Dwarf Greysugar'.**261666.** Col. No. D-225. 'Morgenster'. 'Morning Star'.**261667.** Col. No. D-226. 'Aurora'.**261668.** Col. No. D-227. 'Bon Ami'.**261669.** Col. No. D-228. 'Apollo'.**261670.** Col. No. D-229. 'Veense'.**261671.** Col. No. D-230. 'DeGrace'.**261672.** Col. No. D-231. 'Zucker Perle'.**261673.** Col. No. D-232. 'Carouby'.**261674.** Col. No. D-233. 'Vesta'.**261675.** Col. No. D-234. 'Lav Sabel'.**261676.** Col. No. D-235. 'Navilof a Grain Poir'.**261677.** Col. No. D-236.**261678.** Col. No. D-237.**261679 to 261701.**

From New Guinea. Rhizomes collected by J. J. Ochse, agricultural explorer,
New Crops Research Branch, Crops Research Division, Beltsville, Md.
Received Dec. 8, 1959.

261679 to 261683. *MUSA ACUMINATA* Colla Musaceae.**Banana.****261679.** No. O-31. 'Mut'. North Muju. Pseudostem dark brown-violet
bract red.**261680.** No. O-40. 'Mut'. North Muju. Pseudostem dark brown-violet,
3.5 meters high, 15 cm. thick; 10 hands; 12 to 14 fingers.**261681.** No. O-46. 'Mut'. North Muju. Rhizomes few, compact;
pseudostem dark-brown, to four meters high, 15 cm. thick; 10 hands;
15 fingers. Inflorescence horizontal; bract yellow.**261682.** No. O-47. 'Mut'. South Muju. Pseudostem brown to four
meters high, 18 cm. thick; 10 hands, 16 fingers; bract light-green.**261683.** No. O-48. 'Mut'. South Muju. Pseudostem brown, to four
meters high, 18 cm. thick; 10 hands, 16 fingers.

261679 to 261701—Continued

261684 to 261697. *MUSA* × *PARADISIACA* L.

Plantain.

261684. No. O-33. 'Girim Ijum'. North Muju. Plant small; fruit edible, seedless; bract pink-yellow.

261685. No. O-35. 'Tom-Ijum'. North Muju. Plant to four meters high.

261686. No. O-36. 'Kom Ijum'. North Muju. Plant with few rhizomes, compact; pseudostem white to four meters high, 20 cm. thick; bract violet.

261687. No. O-37. 'Ijum Pet'. North Muju. Plant with few, compact rhizomes; pseudostem green, to four meters high, 20 cm. thick; four hands, 11 fingers.

261688. No. O-38. 'Ijum Depot'. North Muju. Plant with few, compact rhizomes; pseudostem greenish-brown, to 3.5 meters high, 18 cm. thick; bract greenish-yellow; seven hands, 16 fingers.

261689. No. O-39. 'Tawa-Ijum'. North Muju. Plant with few, compact rhizomes; pseudostem brown, to four meters high, 18 cm. thick; bract violet; five hands, 14 fingers.

261690. No. O-41. 'Ceraum'. North Muju. Plant with few, compact rhizomes; pseudostem green, to 2.5 meters high, 15 cm. thick; four hands, 12 fingers.

261691. No. O-43. 'Nona'. North Muju. Plant with few, compact rhizomes; pseudostem violet, to two meters high, 15 cm. thick; juice color pseudostem pink; bract light-violet; five hands, 14 fingers.

261692. No. O-44. 'Ijum Metek'. North Muju. Pseudostem violet-rose; to four meters high, 18 cm. thick; bract violet; five hands, 13 fingers.

261693. No. O-49. Getentiri, Middle Digul. Pseudostem green; to four meters high, 30 cm. thick; bract red; nine hands, 20 fingers.

261694. No. O-50. Getentiri, Middle Digul. Pseudostem green; to three meters high, 18 cm. thick; bract light-green; six hands, 11 fingers.

261695. No. O-51. 'Tsughaarien'. Getentiri, Middle Digul. Rhizomes many, wide-spreading; pseudostem greenish-brown; to three meters high, 15 cm. thick; bract violet; seven hands, 16 fingers. Reportedly deep rooted.

261696. No. O-52. 'Kanari'. Terik, South Digul. Rhizomes few, wide-spreading; pseudostem green; to 3.5 meters high, 18 cm. thick; four hands, nine fingers.

261697. No. O-54. 'Sinwobogi'. Rhizomes few, compact; pseudostem three meters high, 18 cm. thick; bract violet; seven hands, 18 fingers.

261698 to 261700. *MUSA* × *PARADISIACA* L.

Plantain.

261698. No. O-34. 'Ijum Tau'. Tembutkin, North Muju. Inflorescence erect; bract violet; seedless.

261699. No. O-42. 'Ijum Takok'. Rhizomes few, compact; pseudostem six meters high, 22 cm. thick; juice pink; inflorescence erect; five hands, 10 fingers; skin brown-red.

261700. No. O-53. Kampong Biantap, South Digul. Elevation 200 feet. Rhizomes few, compact; pseudostem green, to two meters high, 15 cm. thick; bract light-violet; four hands, seven fingers. Produces seeds during part of year.

261701. *MUSA* sp.

No. O-32. 'Wam'. Kamka road, Mindip Tawa to Woropko, North Muju. Plant small; bract light-yellow; fruit orange-red when ripe; skin fibrous, hard.

261702 to 261706.

From the Philippines. Rhizomes collected by P. H. Allen and N. G. Vakili
United Fruit Company Expedition. Received Dec. 8, 1959.

261702. *MUSA ACUMINATA* Colla Musaceae.

Banana.

No. 2-7380. 'Saguing Machin'. Basilan Island, Zamboanga del Sur, Mindanao. Forested hills southeast of Isabela. Elevation 300 meters. Plant stools compact; pseudostems 6.5 meters high, 30 cm. wide, green with dark brown blotches at leaf base; leaves large, clean; bunch large, horizontal; male bud green, 21 hands; fingers 11 cm. by 2.5 cm.

261703. *MUSA* sp.

No. 2-7381. 'Pitogo'. Barrio Basagan, Curuan, Zamboanga del Sur, Mindanao, east coast highway north of Zamboango. Elevation 15 meters. Plant stools compact; pseudostems few, 3.7 meters high and 20 cm. in diameter, light-brown; bunch horizontal; seven hands; fingers five cm. long by three cm. in diameter.

261704. *MUSA* sp.

No. 2-7382. 'Tinduc'. Hills near Buenavista, Zamboanga del Sur, Mindanao. Elevation, 60 meters. Plant stools compact; pseudostems few, 2.2 meters by 17 cm., light green with light brown blotches; bunch pendulous; male bud absent; 3 hands; finger 27 cm. by 5.5 cm.

261705. *MUSA* sp.

No. 2-7383. 'Lacatan'. Liloy, near Sindangan Point, Zamboanga del Norte, Mindanao. Sea level. Plant stools compact; pseudostems 2.7 meters by 22 cm., green with light brown blotches at the leaf base; bunch pendulous; male bract purple; appears diploid; 6 hands; fingers strongly ageotropic, size 12 cm. by 3.5 cm.

261706. *MUSA* sp.

No. 2-7384. 'Pastilan'. Barrio Tambana, Kabasalan, head of Sibuguey Bay, Zamboanga del Sur, Mindanao. Elevation 60 meters. Plant stools compact; pseudostems purplish with dark-brown blotches, 3.5 meters by 20 cm.; bunch pendulous; 7 hands, divided and bearing 2 purple male buds, fingers 15 cm. by 3 cm. Freak form of 'Bungulan'.

261707 to 261733. SOLANUM TUBEROSUM L. Solanaceae. Potato.

From Bulgaria. Tubers presented by the Academy of Sciences, Institute of
Plant Introduction, Sofia. Received Dec. 8, 1959.

261707. 'Ambra'. Czechoslovakia.

261708. 'Amsel'. Germany.

261709. 'Aquila'. Germany.

261710. 'Aranyalma'. Hungary.

261711. 'Bona'. Germany.

261712. 'Capella'. Germany.

261713. 'Chojnickie'. Poland.

261714. 'Ella'. Hungary.

261715. 'Feher Rozsa'. Hungary.

261716. 'Gulbaba'. Hungary.

261717. 'Hibrid 6/39'. Germany.

261718. 'Kameras'. Union of Soviet Socialist Republics.

261719. 'Korai Rozsa'. Hungary.

261720. 'Lipinskie Wczesne'. Poland.

261721. 'Lovaszpatonai Rozsa'. Hungary.

261722. 'Maikopskii'. Union of Soviet Socialist Republics.

261707 to 261733—Continued

261723. 'Margit'. Hungary.
 261724. 'Mirka'. Czechoslovakia.
 261725. 'Murmanskii'. Union of Soviet Socialist Republics.
 261726. 'Novinca Pustini'. Union of Soviet Socialist Republics.
 261727. N 729.
 261728. 'Oktjabrenok'. Union of Soviet Socialist Republics.
 261729. 'Petrovsky 429/5'. Union of Soviet Socialist Republics.
 261730. 'Rila'. Bulgaria.
 261731. 'Severna Rosa'. Union of Soviet Socialist Republics.
 261732. 'Sovetskii'. Union of Soviet Socialist Republics.
 261733. 'Universal'. Czechoslovakia.

261734 to 261749.

From Japan. Plants presented by Tsuneshige Rokuyo, Toshimaku, Senkawa Madu, Tokyo. Received Dec. 9, 1959.

261734 to 261737. *CAMELLIA JAPONICA* L. Theaceae. **Common camellia.**

261734. 'Chiritsubaki'.
 261735. 'Hana-Fuki'.
 261736. 'Kikuzuki'.
 261737. 'Prunifolia'. Cherry leaved.

261738 and 261739. *CAMELLIA RETICULATA* Lindl.

261738. 'Akakoshimino'.
 261739. 'Kochowabisuko'.

261740 to 261742. *CAMELLIA RUSTICANA* Honda

261740. 'Hime-No-Yadg'.
 261741. 'Kumagava'.
 261742. 'Seki-No-Yume'.

261743. *CAMELLIA SALUENENSIS* Stapf
 'Showa-Wabisuke'.

261744. *CAMELLIA URAKU* Kitamura

261745. *ILEX SUGEROKA* Maxim. Aquifoliaceae.
 'Brevipedunculata'.

261746. *RHODODENDRON KUISIANUM* Makino Ericaceae.

261747. *RHODODENDRON* sp.

Collected on the Kiyi Peninsula.

261748. *RHODODENDRON* sp.

From Yakuihim. Plant dwarf, prostrate.

261749. *RHODODENDRON* sp.

Dwarf.

261750 to 261752. *CUCUMIS MELO* L. Cucurbitaceae. **Muskmelon.**

From Afghanistan. Seeds presented by F. H. Shuman, United States Embassy, Kabul. Received Dec. 9, 1959.

261750. 'Kunduz'. No. 3.
 261751. No. 1. 'Mazar-I-Sharif'.
 261752. No. 2. 'Mazar-I-Sharif'.

261753. Undetermined.

From South Africa. Unknown donor. Received Dec. 9, 1959.

261754 to 261763.

From Belgium. Seeds collected by Elmo Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 10, 1959.

Collected Sept. 28 to 30, 1959.

261754. *ALLIUM CEPA* L. Liliaceae.

Onion.

Col. No. D-263. Horticultural Experiment Station, Gembloux. Seeds brown.

261755. *ANTHRISCUS CEREFOLIUM* (L.) Hoffm. Apiaceae.

Chervil.

Col. No. D-261. 'Cerefeuil'. Station Plants Fruiteurs, Gembloux. Plants green; foliage smooth, single. Resembles parsley.

261756. *APIUM GRAVEOLENS* var. *RAPACEUM* DC. Apiaceae.

Celery.

Col. No. D-251. Gonthier, Wanze-Huy. Stalks green, not self-blanching; petioles edible.

261757 and 261758. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae.

Cabbage.

261757. Col. No. D-249. Gonthier Wanze-Huy. Local Savoy strain.

261758. Col. No. D-250. Plant red, cold resistant.

261759. *BRASSICA OLERACEA* var. *GEMMIFERA* DC.

Brussels sprouts.

Col. No. D-248. Gonthier Wanze-Huy. Green sprouting; no head; leaves eaten after frost.

261760. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

Col. No. D-262. 'Epritel'. Horticultural Station, Gembloux. Fruit smooth, ribbed, weight 2 pounds. Greenhouse grown.

261761 and 261762. *TRAGOPOGON PORRIFOLIUS* L. Cichoriaceae.

Vegetable-oyster

261761. Col. No. D-252. Somers, Malines. Roots small in diameter.

261762. Col. No. D-253. Somers, Malines. Roots black, short, thick, flesh cream or white.

261763. *VALERIANELLA OLITORIA* Pollich. Valerianaceae.

Cornsalad

Col. No. D-209. Gonthier, Wanze-Huy. Leaves golden.

261764 to 261789.

From France. Seeds collected by Elmo Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 10, 1959. From Vilmorin-Andrieux, Paris.

261764 to 261768. *ALLIUM CEPA* L. Liliaceae.

Onion.

261764. Col. No. D-140. White Parisian spring type.

261765. Col. No. D-141. 'Jaune Paille des Vertus'. ('Flat Danvers') Spanish type.

261766. Col. No. D-142. 'Rouge Pale de Huy'. Pale-red.

261767. Col. No. D-143. 'Jaune de Mulhouse'. Selestate type.

261768. Col. No. D-144. 'Rouge Fonce', ('Brunswick'). Blood-red.

261769 to 261774. *BRASSICA OLERACEA* var. *CAPITATA* L. Brassicaceae.

Cabbage.

261769. Col. No. D-134. 'Chou de Milan de Pontoise', ('January King'). Savoy hardy winter drumhead type.

261764 to 261789—Continued**261769 to 261774—Continued**

261770. Col. No. D-135. 'Chou Milan Pointu Perce-Neige'. Savoy, snow resistant.

261771. Col. No. D-136. 'Chou Precose des Marches'. Extra early market type.

261772. Col. No. D-137. 'Express'. Extra early variety.

261773. Col. No. D-138. 'Coer-de-Boeuf Moyen de la Halle'. Early market type.

261774. Col. No. D-139. 'Chou de Vaugirard d'Hiver'. A winter variety.

261775. BRASSICA OLERACEA var. GEMMIFERA DC.

Brussels sprouts.

Col. No. D-129. 'Demi-Nain de la Halle'. Improved half-dwarf 'Paris Market' type.

261776 and 261777. CICHORIUM INTYBUS L. Cichoriaceae.

Chicory.

261776. Col. No. D-119. 'Chicoree de Bruxelles'. A large rooted type.

261777. Col. No. D-122. 'Chicoree de Bruxelles'. A late 'Meilof' strain.

261778 and 261779. CUCUMIS MELO L. Cucurbitaceae.

Muskmelon.

261778. Col. No. D-132. 'Charentais'. Improved sugar variety.

261779. Col. No. D-133. 'Melon Cantaloup de Bellegarde'.

261780. CUCURBITA MAXIMA Duchesne. Cucurbitaceae.

Squash.

Col. No. D-120. 'Precoce Maraichere'. An early type.

261781 to 261783. DAUCUS CAROTA L. Apiaceae.

Carrot.

261781. Col. No. D-126. 'Primerough 1'. An original Vilmorin Selection.

261782. Col. No. D-127. 'Rouge la Merveille'.

261783. Col. No. D-128. 'Rouge Muscade'. A medium size root type.

261784 and 261785. LYCOPERSICON ESCULENTUM Mill. Solanaceae.

Tomato.

261784. Col. No. D-130. 'Super-Marmade'. Used for forcing; fruit medium size, dark red.

261785. Col. No. D-131. Fruit small, clustered.

261786. NASTURTIUM OFFICINALE R.Br. Brassicaceae.

Watercress.

Col. No. 121. An improved broad leaf type.

261787 to 261789. SPINACIA OLERACEA L. Chenopodiaceae.

Common spinach.

261787. Col. No. D-123. 'Monstrueux de Viroflay'. Thick-leaved type.

261788. Col. No. D-124. 'Geant d'Hiver'. A winter type.

261789. Col. No. D-125. 'Geant d'Hiver'. A giant summer type.

261790 to 261811.

From Austria. Seeds collected by Elmo Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville. Md. Received Dec. 14, 1959. From Botanischer Garten der Universitat Wein III, Rennweg.

261790 and 261791. ALLIUM ANGULOSUM L. Liliaceae.

261790. Col. No. D-154.

261791. Col. No. D-156.

261792. ALLIUM CAERULEUM Pall.

Col. No. D-158.

261790 to 261811—Continued**261793.** *ALLIUM CARINATUM* L.

Col. No. D-157.

261794. *ALLIUM FARRERI* W. T. Stearn.

Col. No. D-159.

261795. *ALLIUM KARATAVIENSE* Regel

Col. No. D-160.

261796. *ALLIUM MOLY* L.

Lily leek.

Col. No. D-161.

261797. *ALLIUM NARCISSIFLORUM* Vill.

Col. No. D-162.

261798. *ALLIUM NUTANS* L.

Col. No. D-163.

261799. *ALLIUM OBLIQUUM* L.

Col. No. D-164.

261800. *ALLIUM OREOPRASUM* Schrenk.

Col. No. D-166.

261801. *ALLIUM OSTROWSKIANUM* Regel

Col. No. D-165.

261802. *ALLIUM PULCHELLUM* Don.

Col. No. D-167.

261803. *ALLIUM SCHOENOPRASUM* L.

Col. No. D-168.

261804. *ALLIUM SENESCENS* L.

Col. No. D-169.

261805. *ALLIUM SIBIRICUM* L.

Col. No. D-171.

261806. *ALLIUM STIPITATUM* Regel

Col. No. D-171.

261807. *ALLIUM URSINUM* L.

Col. No. D-172.

261808. *ALLIUM VICTORIALIS* L.

Col. No. D-173.

261809. *ALLIUM VINEALE* L.

Col. No. D-174.

261810. *APIUM GRAVEOLENS* var. *RAPACEUM* DC. Apiaceae. **Celeriac.**Col. No. D-152. 'Wiener Riesen'. Celeriac. Plants upright; foliage dark green; resistant to disease prevalent in Austria (probably *Septoria leaf spot* caused by *Septoria apii*); root round.**261811.** *LACTUCA VIROSA* L. Cichoriaceae.

Col. No. D-153.

261812 to 261821.

From China. Plant material presented by the Taiwan Sugar Experiment Station, Tainan, Taiwan. Received December 16, 1959.

261812 to 261821—Continued**261812.** *ISCHAEMUM* sp. Poaceae.

(Clumps.)

261813. *MISCANTHUS JAPONICUS* (Thunb.) Oerst. Poaceae.

Japanese silvergrass.

(Rhizomes.)

261814. *MISCANTHUS SINENSIS* var. *CONDENSATUS* (Hack.) Makino

(Rhizomes.)

261815. *MISCANTHUS SINENSIS* var. *FORMOSANUS* Hack.

(Clumps.)

261816. *NARENGA PORPHYCOMA* (Hance) Bor Poaceae.

(Clumps.)

261817 to 261821. *SACCHARUM* (hybrids). Poaceae.

Sugarcane.

(cuttings)

261817. E.K. 327**261820.** F. 143.**261818.** F. 141.**261821.** F. 144.**261819.** F. 142.**261822 to 261824.** *TRITICUM AESTIVUM* L. Poaceae.

From Saudi Arabia. Collected by J. M. Martin, Cereal Crops Branch, Beltsville, Md. Received Dec. 16, 1959.

261822. 'Geryba'. Kasseem Province.**261823.** 'Namra'. Hasser Province.**261824.** 'Samma'. Hasser Province.**261825.** *CITRUS* sp. Rutaceae.

From Malaya. Seeds presented by the Director of Agriculture, Federation of Malaya, Kuala Lumpur. Received Dec. 15, 1959.

'Limau Chembol'.

261826 to 261846.

From the Netherlands. Cuttings presented by W. J. Spaargaren, Boskoop. Received Dec. 16, 1959.

261826 and 261827. *ACER NEGUNDO* L. Aceraceae.

Boxelder.

261826. 'Aureo-variegata'.**261827.** 'Auratum'.**261828.** *ACER PSEUDOPLATANUS* L.

Sycamore maple.

'Brilliantissimum'.

261829. *CARPINUS BETULUS* L. Betulaceae.

European hornbeam.

'Purpureum'.

261830. *CASSINIA FULVIDA* Hook. f. Asteraceae.**261831 to 261834.** *CHAENOMELES* × *SUPERBA* (Frahm) Rehder Malaceae.

Japanese quince.

261831. 'Etna'.**261833.** 'Hollandia'.**261832.** 'Fire Dance'.**261834.** 'Vesuvius'.**261835.** *COLUTEA ORIENTALIS* Mill. Fabaceae.

Oriental bladder-senna.

261836. *CORNUS ALBA* L. Cornaceae.

Tatarian dogwood.

'Gouchaulti'.

261826 to 261846—Continued

- 261837.** *CORYLUS AVELLANA* L. Betulaceae. **Filbert.**
 'Aurea'.
- 261838.** *COTONEASTER MICROPHYLLA* Wall. ex Lindl. Malaceae.
 'Cochleata'.
- 261839.** *CRATAEGUS MONOGYNA* Jacq. Malaceae. **English hawthorn.**
 'Pink Corkscrew'.
- 261840.** *HAMAMELIS* × *INTERMEDIA* Rehd. Hamamelidaceae.
 'Jelena'.
- 261841.** *HEBE PINGUIFOLIA* (Hook. f.) Cockayne. Scrophulariaceae.
 'Pagei'.
- 261842.** *HYDRANGEA HETEROMALLA* D. Don. Hydrangaceae.
- 261843.** *HYDRANGEA MACROPHYLLA* (Thunb.) Seringe. **House hydrangea.**
 'Belzoni'.
- 261844.** *LAVANDULA OFFICINALIS* Chaix ex Vill. Menthaceae. **Lavender.**
 'Middachten'.
- 261845.** *PIERIS JAPONICA* (Thunb.) G. Don. Ericaceae. **Japanese pieris.**
- 261846.** *STEPHANANDRA TANAKAE* Franch. & Sav. Rosaceae.

261847 to 261849.

From the United States. Plants growing at the United States Plant Introduction Station, Glenn Dale, Maryland. Numbered Dec. 7, 1960.

- 261847.** *ALEURITES MOLUCCANA* (L.) Willd. Euphorbiaceae. **Candlenut-tree.**
 B. 50891. Received as seeds from Brazil.
- 261848.** *BUXUS SEMPERVIRENS* L. Buxaceae. **Common box.**
 B. 51165. Received as seeds May 1958, from Yugoslavia.
- 261849.** *BUXUS* sp.
 Q-9298. From the Caspian shore, Iran.

261850 to 261875.

From Argentina, Bolivia, and Brazil. Plants collected by W. C. Gregory, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received December 16, 1959.

From the Experiment Station, Manfredi, Argentina, unless otherwise noted.

- 261850.** *ARACHIS BENTHAMII* Handro. Fabaceae.
 Col. No. 9978. Instituto Botanico, Sao Paulo, Brazil. Erect perennial; taproot.
- 261851.** *ARACHIS BURKARTII* Handro.
 Col. No. AK 7864. Rhizomatous perennial.
- 261852 and 261853.** *ARACHIS DIOGOI* Hoehne. Fabaceae.
- 261852.** Col. No. 9977. Instituto Botanico, Sao Paulo, Brazil. Perennial; taproot.
- 261853.** Col. No. 9990. Airport, Corumba, Mato Grosso, Brazil. Erect perennial; taproot.
- 261854.** *ARACHIS GLABRATA* Benth.
 Col. No. 9993. Corumba, Mato Grosso, Brazil. Prostrate perennial; flowers with orange standards and yellow wings, no red veins on standard; taproot.

261850 to 261875—Continued

261855 to 261866. *ARACHIS GLABRATA* var. *HAGENBECKII* (Harms) F. J. Hermanns.

261855 to 261866. Rhizomatous perennials.

261855. No field note.

261856. Col. No. AK 7934.

261857. No field note.

261858. No field note.

261859. Col. No. AK 7855.

261860. No field note.

261861. No field note.

261862. Col. No. AK 7870.

261863. No field note.

261864. No field note.

261865. Col. No. AK 7910.

261866. Col. No. AK 7847.

261867. *ARACHIS REPENS* Handro.

Col. No. 9975. Instituto Botanico, Sao Paulo, Brazil. Plant prostrate, rooting at the nodes; taproot.

261868 to 261872. *ARACHIS VILLOSA* Benth.

Prostrate perennials; taproot.

261868. Col. No. AK 7897.

261871. Col. No. AK 7830.

261869. Col. No. DEIP 6519.

261872. No field number.

261870. No field number.

261873. *ARACHIS* sp.

Col. No. 10,000. Urucum road, Corumba, Brazil. Diogoi-like perennial; taproot; pegs horizontal.

261874. *ARACHIS* sp.

Col. No. 10,017. Robore, Bolivia. Pubescent, prostrate perennial; pegs oblique.

261875. *ARACHIS* sp.

Col. No. 10,034. Santa Cruz, de Sierra, Bolivia. Prostrate perennial enlarged, crown flat; flowers yellow; standards, wings and calyx lobes almost glabrous; pegs horizontal.

261876 to 262147.

From Argentina, Bolivia, Brazil, Paraguay, and Peru. Seeds collected by W. C. Gregory, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Numbered Dec. 16, 1959.

From the Experiment Station, Manfredi, Argentina unless otherwise noted.

261876. *ARACHIS BURKARTII* Handro Fabaceae.

Col. No. AK 7864. Rhizomatous perennial.

261877. *ARACHIS DIOGOI* Hoehne

Col. No. 9990. Airport, Corumba, Mato Grosso, Brazil. Erect perennial; taproot, flowers in crown and branches.

261878. *ARACHIS GLABRATA* Benth.

Col. No. 9993. Corumba, Mato Grosso, Brazil. Prostrate perennial; flowers with orange standards and yellow wings, no red veins on standard; taproot.

261879 to 261890. *ARACHIS GLABRATA* var. *HAGENBECKII* (Harms) F. J. Hermann

261879. Rhizomatous perennial.

261880. Col. No. AK 7934. Plant perennial, rhizomatous.

261881. Rhizomatous perennial.

261882. Rhizomatous perennial.

261876 to 262147—Continued**261879 to 261890—Continued**

- 261883. Col. No. AK7855. Rhizomatous perennial.
- 261884. Rhizomatous perennial.
- 261885. Rhizomatous perennial.
- 261886. Col. No. AK 7870. Rhizomatous perennial.
- 261887. Rhizomatous perennial.
- 261888. Rhizomatous perennial.
- 261889. Col. No. AK 7910. Rhizomatous perennial.
- 261890. Col. No. AK 7847. Rhizomatous perennial.

261891 to 262129. ARACHIS HYPOGAEA L.**Peanut.**

- 261891. R.C.M. 422. Testa mottled; seeds large. San Jose de Chiquitos, Bolivia.
 - 261892. R.C.M. 423. Testa mottled, seeds large. San Jose de Chiquitos, Bolivia.
 - 261893. R.C.M. 424. Testa mottled, seeds large. Cochabamba, Bolivia.
 - 261894. R.C.M. 425. Testa mottled. Santa Cruz, Bolivia.
 - 261895. R.C.M. 426. Testa mottled. Santa Cruz, Bolivia.
 - 261896. R.C.M. 427. Testa red. Santa Cruz, Bolivia.
 - 261897. R.C.M. 428. Testa red. Santa Cruz, Bolivia.
 - 261898. R.C.M. 429. Testa red. Cochabamba, Bolivia.
 - 261899. R.C.M. 430. Testa reddish-salmon. Cochabamba, Bolivia.
 - 261900. R.C.M. 431. Testa reddish-salmon. Cochabamba, Bolivia.
 - 261901. R.C.M. 432. Testa pale rose to deep red. Rio Chapore, Bolivia.
Cultivated by the Yaras Indians.
 - 261902. R.C.M. 433. Mixture of types. Cochabamba, Bolivia.
 - 261903. R.C.M. 436. Testa deep red. Villa Tunari, Rio Chapore, Bolivia.
 - 261904. R.C.M. 437. Testa rose to claret-red. Samaipata, Bolivia.
 - 261905. R.C.M. 438. Testa rose-salmon. Villa Tunari, Bolivia.
 - 261906. R.C.M. 439. Testa mottled. Samaipata, Bolivia.
 - 261907. R.C.M. 440. Samaipata, Bolivia.
 - 261908. R.C.M. 441. Testa dark red. Samaipata.
 - 261909. R.C.M. 442. Samaipata, Bolivia.
 - 261910. R.C.M. 443. Samaipata, Bolivia.
 - 261911. R.C.M. 444. Samaipata, Bolivia.
 - 261912. R.C.M. 445. Samaipata, Bolivia.
- From Experiment Station, Paso de la Patria, Corrientes, Argentina.
- 261913. R.C.M. 446. 'Guanaco' or 'Guaycuru'. Seeds from one population.
 - 261914. R.C.M. 447-1. 'Guanaco' or 'Guaycuru'.
 - 261915. R.C.M. 447-2. 'Guanaco' or 'Guaycuru'.
 - 261916. R.C.M. 447-3. 'Guanaco' or 'Guaycuru'.
 - 261917. R.C.M. 447-4. 'Guanaco' or 'Guaycuru'.
 - 261918. R.C.M. 449-1. Testa black.
 - 261919. R.C.M. 449-2. Testa black.

261876 to 262147—Continued

261891 to 262129—Continued

261920. R.C.M. 449-3. Testa black.
261921. R.C.M. 449-4. Testa black.
261922. R.C.M. 449-5. Testa black.
261923. R.C.M. 449-6. Testa black.
261924. R.C.M. 449-7. Testa black.
261925. R.C.M. 450. San Cosme, Corrientes, Argentina. Testa black.
From farm of V. M. Moyol, Ramada Paso, Corrientes, Argentina.
261926. R.C.M. 453-1. Plants large, testa black.
261927. R.C.M. 453-2. Plants large, testa black.
261928. R.C.M. 453-3. Plants large, testa black.
261929. R.C.M. 453-4. Plants large, testa black.
261930. Farm of J. A. Rowan, Ruta, road to Loreto, Corrientes, Argentina.
R.C.M. 454. Testa a mixture of colors.
From Arroyo Santa Maria, Itapua Department, Paraguay.
261931. R.C.M. 455-1. Testa white.
261932. R.C.M. 455-2. Testa white.
261933. R.C.M. 455-3. Testa white.
261934. R.C.M. 455-4. Testa white.
261935. R.C.M. 455-5. Testa white.
261936. R.C.M. 456-1. Testa white.
261937. R.C.M. 456-2. Testa red.
261938. R.C.M. 456-3. Testa red.
261939. R.C.M. 456-4. Testa red.
261940. R.C.M. 456-5. Testa red.
261941. R.C.M. 456-6. Testa red.
261942. R.C.M. 457-1. Testa violet-colored.
261943. R.C.M. 457-2. Testa violet-colored.
261944. R.C.M. 458-1. Testa white.
261945. R.C.M. 458-2. Testa white.
261946. R.C.M. 459. Testa violet-colored.
261947. R.C.M. 460. Testa violet-colored.
261948. R.C.M. 461. From Itapua Department, Paraguay. Seeds white.
From Arroyo Santa Maria, Itapua, Department, Paraguay.
261949. R.C.M. 462. Fruits and seeds large; testa white.
261950. R.C.M. 463. Fruits and seeds large; testa white.
261951. R.C.M. 464. Fruits and seeds large; testa white.
261952. R.C.M. 465. Fruits of various sizes; testa violet-colored.
261953. R.C.M. 466. Fruits of various sizes; testa violet-colored.
261954. R.C.M. 467. Fruits of various sizes; testa violet-colored.
261955. R.C.M. 469. Fruits of various sizes; testa white; seeds large.
261956. R.C.M. 470. Fruits of various sizes; testa red.
261957. R.C.M. 471. Fruits of various sizes; testa red.

261876 to 262147—Continued

261891 to 262129—Continued

261958. R.C.M. 472. Fruits small to medium-size; testa red.
261959. R.C.M. 473. Fruits and seeds large; testa violet-colored.
261960. R.C.M. 475. Fruits very small; seeds small; testa violet-colored.
261961. R.C.M. 476. Fruits large; testa violet-colored.

From San Ignacie, Paraguay.

261962. R.C.M. 477. Fruits large; testa violet-colored.
261963. R.C.M. 478. Fruits small; testa violet-colored.
261964. R.C.M. 479-1. Fruits small; testa violet-colored.
261965. R.C.M. 479-2. Fruits small; testa violet-colored.
261966. R.C.M. 479-3. Plant atypical; fruits small; testa violet-colored.
261967. R.C.M. 479-4. Plant atypical; fruits small; testa violet-colored.
261968. R.C.M. 479-5. Plant atypical; fruits small; testa violet-colored.
261969. R.C.M. 479-6. Plant atypical; fruits small; testa violet-colored.
261970. R.C.M. 480. Fruit large; testa violet-colored.
261971. R.C.M. 481-1. Fruits medium size; testa violet.
261972. R.C.M. 481-2. Fruits small, testa violet-colored.
261973. R.C.M. 481-3. Fruits medium-size, testa violet-colored.
261974. R.C.M. 482. Fruits medium-size, testa red.
261975. R.C.M. 483. Fruits medium-size, testa red.

Road to Caaguazu, Salida de Coronel Oviedo, Paraguay.

261976. R.C.M. 484. Fruit large, testa violet-colored.
261977. R.C.M. 485. Fruit medium-size to large; testa red. Possibly 'Colorado Fassardi'.

Colonia Balbina (15 km. from Coronel Oviedo, road to Caaguazu), Paraguay.

261978. R.C.M. 486. Fruits large; testa violet-colored.
261979. R.C.M. 487. Fruits medium to large; testa white.
261980. R.C.M. 488. Fruits large, testa red.

From Puerto Embalse (Hernandarias), Paraguay.

261981. R.C.M. 489. Fruits large, testa violet-colored.
261982. R.C.M. 490. Testa reddish-salmon and red.

Collected near Arroyo Esteros, Paraguay.

261983. R.C.M. 491. Fruits of several sizes; testa red.
261984. R.C.M. 492. Fruits of several sizes; testa white.
261985. R.C.M. 493-1. Fruits small; testa white.
261986. R.C.M. 493-2. Fruits small; testa white.
261987. R.C.M. 493-3. Fruits small; testa white.

From Isla Guazu, Paraguay.

261988. R.C.M. 494. Fruits small; testa violet-colored.
261989. R.C.M. 495. Fruits of various sizes; testa white.
261990. R.C.M. 496. Fruits medium-size to large; testa violet-colored.
261991. R.C.M. 497. Fruits medium-size; testa red.

261876 to 262147—Continued**261891 to 262129—Continued**

261992. R.C.M. 498. Fruits slender, long; testa white.

From Arroyo Esteros, Paraguay.

261993. R.C.M. 499. Fruits medium-size; testa red.

261994. R.C.M. 500. Fruits medium-size; testa white.

261995. R.C.M. 501. Fruits medium-size; testa violet-colored.

261996. R.C.M. 502. Fruits medium-size; testa red.

261997. R.C.M. 503. Caacupe, Paraguay. Testa white and red.

From Instituto Agronomico, Caacupe, Paraguay.

261998. R.C.M. 504. Fruits small; testa black.

261999. R.C.M. 505. Fruits medium-size; testa red.

262000. R.C.M. 506. Testa white.

Collected at Asuncion, Paraguay.

262001. R.C.M. 507. Fruits large; testa red.

262002. R.C.M. 508. Fruits large; testa red.

262003. R.C.M. 509. Fruits large; testa red.

262004. R.C.M. 510. Fruits large; testa red.

262005. R.C.M. 511. Fruits large; testa red.

262006. R.C.M. 512. Fruits of various sizes; testa red.

262007. R.C.M. 513. Mixture.

262008. R.C.M. 514. Mixture.

262009. R.C.M. 515. Fruits small and medium-size; testa violet-colored.

262010. R.C.M. 516. Fruits small; testa violet-colored.

262011. R.C.M. 517. Fruits small; testa violet colored.

262012. R.C.M. 518. Fruits large; testa white.

262013. R.C.M. 519. Fruits medium-size; testa white.

262014. R.C.M. 520. Fruits large; testa white.

262015. R.C.M. 521. Mixture.

262016. R.C.M. 522. Mixture.

262017. R.C.M. 523. Testa violet-colored.

262018. R.C.M. 524. Fruits small; testa violet-colored.

262019. R.C.M. 525. Fruits large; testa red.

262020. R.C.M. 526. Fruits large; testa red.

262021. R.C.M. 527. Fruits large; testa red.

262022. R.C.M. 528. Testa red.

262023. R.C.M. 529. Testa red.

262024. R.C.M. 530. Testa red.

From Pedro Juan Caballero, Paraguay.

262025. R.C.M. 531. Fruit medium-size; testa violet-colored.

262026. R.C.M. 532. Fruit medium-size; testa red.

From Fazenda Manga-i, between Antonio Joa and Capitan Bado, Brazil.

262027. R.C.M. 533. Fruits small to medium size; testa violet-colored.

262028. R.C.M. 534. Sanga-Pitay-Ponta Pora, Brazil. Fruits medium-size; testa red.

261876 to 262147—Continued

261891 to 262129—Continued

262029. R.C.M. 535. Prudente, Brazil. Testa red.
262030. R.C.M. 536. Prudente, Brazil. Testa red.
262031. R.C.M. 537. Prudente, Brazil. Testa red.
262032. R.C.M. 538. Prudente, Brazil. Testa red.
262033. R.C.M. 539. Prudente, Brazil. Testa red.
262034. R.C.M. 540. Prudente, Brazil. Testa red.
262035. R.C.M. 541. Prudente, Brazil. Testa white.
262036. R.C.M. 542. Brazil. Testa red.
262037. R.C.M. 543. Monte Alvae, Brazil. Testa red.
262038. R.C.M. 544. Agua Espolhada, Brazil. Testa red.
262039. R.C.M. 545. Monte Alvae, Brazil. Testa white.

Brazil.

262040. R.C.M. 546. Testa red.
262041. R.C.M. 547. Testa red.
262042. R.C.M. 548. Brazil. Testa white.
262043. R.C.M. 549. Ameliapolis, Brazil. Testa red.
262044. R.C.M. 550. Brazil. Testa red.
262045. R.C.M. 551. Oro Branco, Brazil. Testa white.
262046. R.C.M. 552. Cristalia, Brazil. Testa red.

From Paraguaçu Paulista, Brazil.

262047. R.C.M. 553. Fruits small to medium-size; testa white.
262048. R.C.M. 554. Fruits small to medium-size; testa white.
262049. R.C.M. 555. Fruits medium-size; testa white.
262050. R.C.M. 556. Fruits medium-size; testa white.
262051. R.C.M. 557. Fruits medium-size; to large; testa white.
262052. R.C.M. 558. Fruits large; testa red.
262053. R.C.M. 559. Fruits large; testa red.
262054. R.C.M. 560. Fruits large; testa red.
262055. R.C.M. 561. Testa white.
262056. R.C.M. 562. Fruits large; testa red.
262057. R.C.M. 563. Fruits large; testa red.
262058. R.C.M. 564. Fruits large; testa red.
262059. R.C.M. 565. Fruits very large; testa red and violet-colored.
262060. R.C.M. 566. Fruits large; testa red.
262061. R.C.M. 567. Fruits large; testa violet-colored.

From São Paulo, Brazil.

262062. R.C.M. 568. Fruits large; testa red.
262063. R.C.M. 569. Fruits large; testa red.
262064. R.C.M. 570. 'Tatu'. Fruits medium-size; testa red.
262065. R.C.M. 571. 'Tatu'. Fruits medium-size; testa red.
262066. R.C.M. 572. Fruits medium-size; testa red.
262067. R.C.M. 573. Fruits medium-size; testa red.

261876 to 262147—Continued**261891 to 262129—Continued**

262068. R.C.M. 574. Fruits small; testa white.
 262069. R.C.M. 575. Fruits large; testa white.
 262070. R.C.M. 576. Fruits large; testa white.
 262071. R.C.M. 577. Fruits large; testa violet-colored.
 262072. R.C.M. 578. Fruits medium-size; to large; testa red.
 262073. R.C.M. 579. Fruits of various sizes; testa red.
 262074. R.C.M. 580. From Xavantina, Mato Grosso, Brazil. Fruits of various sizes; testa red.

From Ribas de Rio Pardo, Mato Grosso, Brazil.

262075. R.C.M. 581. Fruits of various sizes; testa yellow flesh-colored.
 262076. R.C.M. 582. Fruits of various sizes; testa white.
 262077. R.C.M. 583. Fruits of various sizes; testa violet-colored.
 262078. R.C.M. 584. Fruits of various sizes; testa red.

From Campo Grande, road to Cuiaba, Mato Grosso, Brazil.

262079. R.C.M. 585. Fruits medium-size; testa red.
 262080. R.C.M. 586. Fruits medium-size; testa red.
 262081. R.C.M. 587. Fruits medium-size; testa yellow flesh colored.
 262082. R.C.M. 588. Fruits medium-size; testa red.
 262083. R.C.M. 589. From Caxim, Mato Grosso, Brazil. Fruits medium-size; testa red.
 262084. R.C.M. 590. From Cuiaba, Mato Grosso, Brazil. Fruits medium-size; testa red.
 262085. R.C.M. 591. From Fazenda of Lius Bata, Anhumas, Brazil, between Cuiaba and Birro. Fruits medium-size; testa violet-colored.
 262086. R.C.M. 592. From Rosario Oeste, Mato Grosso, Brazil. Fruits medium-size to large; testa red.
 262087. R.C.M. 593. From Cerro de Saudades, Brazil. Fruits medium-size; testa red.
 262088. R.C.M. 594. From Itumbiara (Geiaz), Brazil. Fruits medium-size; testa red.
 262089. R.C.M. 595. From Corumba, Mato Grosso, Brazil. Fruits large; testa red.
 262090. R.C.M. 596-1. From Robore, Bolivia. Testa mottled red and flesh-colored.
 262091. R.C.M. 596-2. From Robore, Bolivia. Testa mottled red and flesh-colored.

From Warnes, 30 kms. from Santa Cruz, Bolivia.

262092. R.C.M. 597-1. Plants Valencia type with and without bristles, varying on the axis. Fruit medium-size; testa red.
 262093. R.C.M. 597-2. Fruits medium-size; testa red.
 262094. R.C.M. 597-3. Fruits medium-size; testa red.
 262095. R.C.M. 597-4. Fruits medium-size; testa red.
 262096. R.C.M. 597-5. Fruits medium-size; testa red.
 262097. R.C.M. 597-6. Fruits medium-size; testa red.
 262098. R.C.M. 597-7. Fruits large; testa red.
 262099. R.C.M. 597-8. Fruits medium-size; testa red.

261876 to 262147—Continued

261891 to 262147—Continued

262100. R.C.M. 597-9. Fruits medium-size; testa red.
 262101. R.C.M. 597-10. Fruits medium-size; testa red.
 262102. R.C.M. 597-11. Fruits medium-size; testa red.
 262103. R.C.M. 597-12. Fruits small to medium; testa red.
 262104. R.C.M. 597-13. Fruits medium-size; testa red.
 262105. R.C.M. 598. Fruits medium-size to large; testa red.

From Santa Cruz, Bolivia.

262106. R.C.M. 599. Testa mottled.
 262107. R.C.M. 600. Seeds large; testa white and light red.
 262108. R.C.M. 701. Seeds large; testa rosado-salmon.
 262109. R.C.M. 702. Seeds large; testa rosado-salmon.
 262110. R.C.M. 703. Seeds small; testa red.

From Experiment Station de Los Llanos, Santa Cruz, Bolivia.

262111. R.C.M. 704. 'Colorado San Simon.' From Tarija. Testa red.
 262112. R.C.M. 705. 'Criolla'.
 262113. R.C.M. 706. 'San Simon'. From Tarija. Testa mottled.
 262114. R.C.M. 707. 'San Simon'. Testa mottled.
 262115. R.C.M. 708. 'Criollo'. Testa mottled.
 262116. R.C.M. 709. From Samaipata. Testa mottled.
 262117. R.C.M. 710. 'Erquis'. From Tarija.
 262118. R.C.M. 711. 'Perla de Saavedra'.
 262119. R.C.M. 712. 'Tennessee Red'.

262120. Col. No. 9633. Valley in Sierra Amabay, west of Ponta Poya, road to Concepcion, Paraguay. Plants annual, erect.

262121 to 262128. From Lima, Peru.

- | | |
|---------------------|---------------------|
| 262121. Peru No. 1. | 262125. Peru No. 5. |
| 262122. Peru No. 2. | 262126. Peru No. 6. |
| 262123. Peru No. 3. | 262127. Peru No. 7. |
| 262124. Peru No. 4. | 262128. Peru No. 8. |

262129. Peru No. 9. From Tingo Maria, Peru.

262130. *ARACHIS HYPOGAEA* f. *NAMBYQUARAE* (Hochne) F. J. Hermann
 From Sao Paulo, Brazil. Cucuru, Acu river area.

262131. *ARACHIS LUTESCENS* Krapovickas & Rignon.

Col. No. 9900. Northwest of Sao Lourenzo, Mato Grosso, Brazil. Prostrate perennial; flowers with red-veined orange standards.

262132. *ARACHIS MARGINATA* Gardn.

Col. No. 9735. From Airport, Campo Grande, Mato Grosso, Brazil. Erect perennial; pegs horizontal.

262133. *ARACHIS PUSILLA* Benth.

Col. No. 10038. Southwest of Salta, Argentina. Edge of Rio Avenales. Prostrate annual, taproot; pegs oblique.

261876 to 262147—Continued**262134 to 262138.** *ARACHIS VILLOSA* Benth.

262134. Col. No. AK 7897. Prostrate perennial; taproot.

262135. Col. No. DEIP 6519. Prostrate perennial; taproot.

262136. Prostrate perennial; taproot.

262137. Col. No. AK 7830. Prostrate perennial; taproot.

262138. Prostrate perennial; taproot.

262139. *ARACHIS* sp.

Col. No. 10,000. Road to Urucum, Corumba, Brazil. Diogoi-like perennial; taproot; pegs horizontal.

262140. *ARACHIS* sp.

Col. No. 10,002. Three km. from Corumba, road to Urucum, Brazil. Prostrate perennial; taproot; pegs horizontal.

262141. *ARACHIS* sp.

Col. No. 10,017. From Robore, Bolivia. Prostrate perennial; taproot; pegs oblique.

262142. *ARACHIS* sp.

Col. No. 10,034. Santa Cruz de Sierra, Bolivia, road to Warnes. Prostrate perennial; crown enlarged, flat; flowers yellow, calyx lobes almost glabrous; pegs horizontal.

262143. *ARACHIS* sp.

Col. No. 10,026. From Robore, Bolivia. Prostrate perennial; taproot; standard orange with yellow spots; wings yellow.

262144. *ARACHIS* sp.

Col. No. 9525. From Institute Lille Tucuman, Argentina. Woody climber.

262145. *ARACHIS* sp.

Col. No. 9526. From Institute Lille Tucuman, Argentina. Woody climber.

262146. *ARISTOLOCHIA* sp. Aristolochiaceae.

Col. No. 10,027. Perennial without pseudo-stipula, glabrous, low; limb of calyx orbicular.

262147. *ARISTOLOCHIA* sp.

Col. No. 10,021. Woolly and woody perennial; limb of calyx expanded into two wings.

262148. *STYLOSANTHES MUCRONATA* Willd. Fabaceae.

From Northern Rhodesia. Seeds presented by the Department of Agriculture, Soil Conservation Service, Kasama, Southern Province. Received Dec. 17, 1959.

Hardy annual in natural grazing areas; a short grass species native to Ceylon.

262149 to 262158. *CYAMOPSIS TETRAGONOLOBA* (L.) Taub. Fabaceae.
Guar.

From Pakistan. Seeds presented by the Agricultural College, Lyallpur, Karachi. Received Dec. 17, 1959.

262149. 1C-80. No. 2/18.

262154. 1C-85. No. 1/95.

262150. 1C-81. No. 2/13.

262155. 1C-86. No. 2.

262151. 1C-82. No. 2/13.

262156. 1C-87. No. 2/51.

262152. 1C-83. No. 3.

262157. 1C-88. No. 3/7.

262153. 1C-84. No. 2/3.

262158. 1C-89. No. 1/3.

262159 to 262161.

From Spain. Seeds collected by Elmo Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 18, 1959.

262159 and 262160. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

262159. Col. No. D-110. Metaro, north of Barcelona. Plants medium height; fruits small, 30 cluster, tip at blossom end. Picked green and hung in shed. Resembles *L. pimpinellifolium*.

262160. Col. No. D-111. Metaro, north of Barcelona. Plants medium height; few fruits in cluster, no tip on blossom end.

262161. *SPINACIA OLERACEA* L. Chenopodiaceae.

Common spinach.

Col. No. D-67. 'Monstruosa Viroflay'. Vallodolid.

262162 to 262165.

From Switzerland. Seeds collected by Elmo Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 18, 1959.

262162. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae.

Tomato.

Col. No. D-116. 'Cocarde'. Geneva. Greenhouse type; vines small; fruits heavy-set.

262163 to 262165. *PHASEOLUS VULGARIS* L. Fabaceae.

Common bean.

262163. Col. No. D-145. 'Wadenswiler'. Zurich. Plant bush type.

262164. Col. No. D-145. 'Fruhe Wadenswiler'. Zurich. Early maturing stringless, rust resistant, pole type.

262165. Col. No. D-147. 'Juli Sel. Wadenswil'. Zurich. Pole type; string pod; partially resistant to local bean viruses.

262166 to 262170.

From France. Seeds collected by Elmo Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 18, 1959.

262166. *ASPARAGUS OFFICINALIS* L. Convallariaceae.

Garden asparagus.

Col. No. D-1. 'Asperge de Vinevil'. St. Claude-Diray (Loir-et-cher), near Blois. Plant with 5 spears; drought resistant.

262167. *CHAEROPHYLLUM* sp. Apiaceae.

Col. No. D-28. Rocky banks and roadsides north of Niort. Plant wild; to one meter high; flowers white; anthers pink, few. Resembles carrot but leaves are larger, broader.

262168. *CHENOPODIUM AMARANTICOLOR* Coste & Reynier. Chenopodiaceae.

Col. No. D-113. 'Spinach'. Gattieres, north of Nice.

262169. *CUCUMIS MELO* L. Cucurbitaceae.

Muskmelon.

Col. No. D-114. Carpentras. Vines healthy; first fruits round, later elongated, slightly ribbed, weakly netted; exterior color green; flesh deep orange.

262170. *CUCUMIS MELO* var. *FLEXUOSUS* (L.) Naud.

Col. No. D-118. 'Meissonnie'. Farmer's market, Marseille. Fruits round, heavily netted, bright yellow; flesh dark yellow to orange.

262171 to 262176.

From Germany. Seeds collected by Elmo Davis, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 18, 1959.

262171 to 262176—Continued**262171.** *CARUM CARVI* L. Apiaceae.**Caraway.**

Col. No. D-177. Bayerische Staatliche Lehr-und-Forschungsanstalt für Gartenbau, Weihenstephan bei Freising.

262172. *CAPSICUM FRUTESCENS* L. Solanaceae.**Redpepper.**

Col. No. D-193. Heidelberg. Fruits light-yellow; reported to have thick flesh. May segregate for yellow or green color.

262173 to 262175. *LYCOPERSICON ESCULENTUM* Mill. Solanaceae. **Tomato.****262173.** Col. No. D-178. XXIII/II. Weihenstephan bei Freising. Plant cold tolerant.**262174.** Col. No. D-179. XIV b 12. Weihenstephan bei Freising. Plant cold tolerant.**262175.** Col. No. D-195. Eschweiler bei Duren. Fruits large, dark, more numerous than 'Money-maker'.**262176.** *PHASEOLUS* (hybrid). Fabaceae.**Bean.**Col. No. D-196. *P. vulgaris* X *P. multiflora*. Eschweiler bei Duren. Pole type; seeds white.**262177 to 262179.**

From Portugal. Seeds collected by Elmo Davis, agricultural explorer, New Corps Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 18, 1959.

262177. *ALLIUM SCHOENOPRASUM* L. Liliaceae.**Chive.**

Col. No. D-92. Porto. Plants uniform, to eight inches high.

262178. *VIGNA SESQUIPEDALIS* (L.) FRUWIRTH. Fabaceae. **Yardlong cowpea.**

Col. No. D-90. Bolhao market, Porto.

262179. *VIGNA SINENSIS* (Torner) Savi**Common cowpea.**

Col. No. D-89. Bolhoa market, Porto.

262180 and 262181. *GLYCINE MAX* (L.) Merr. Fabaceae. **Soybean.**

From China. Seeds presented by the Plant Industry Division, Joint Commission on Rural Reconstruction, Taipei, Taiwan. Received Dec. 18, 1959. Reported to have been introduced from Japan and presently growing in the central and northern parts of Formosa.

262180. 'Sankuo'.**262181.** 'Shihshik'.**262182.** *HORDEUM VULGARE* L. Poaceae.**Common barley.**

From Sweden. Presented by an anonymous donor.

'Fimbul II'. Winter type.

262183 to 262186.

From Italy. Seeds presented by the Instituto di Agronomia Generale Università Degli Studi di Pisa, Pisa. Received Dec. 21, 1959.

262183. *SCORPIURUS SUBVILLOSA* L. Fabaceae.**Scorpiontail.****262184 to 262186.** *TRIFOLIUM RESUPINATUM* L. Fabaceae. **Persian clover.****262184.** 'Spontaneo'.**262185.** E-284 'Precoce'.**262186.** 12-255 'Tardivo'.**262187.** *MALVAVISCUS CONZATTHI* Greenm. Malvaceae.

From the British West Indies. Cuttings presented by the Imperial College of Tropical Agriculture, Trinidad.

262188. *FICUS KELLERMANII* Standl. Moraceae.

From Central America. Seeds collected by the University of Hawaii. Received through I. J. Condit, Riverside, California.

Seeds viable after two years old.

262189. *PISUM SATIVUM* L. Fabaceae.**Pea.**

From Costa Rica. Seeds presented by the W. Atlee Burpee Co., Philadelphia, Pa. 'Big Pea'.

262190 to 262194.

From Mexico. Rooted plants and budwood collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 21, 1959.

262190. *PSIDIUM* sp. Myrtaceae.

Col. No. 18376. Sierra Surotato, Sinaloa. Tree small; leaves bright, shiny; fruits large, sweeter than *P. guava* (rooted plants).

262191. *EUPHORBIA PULCHERRIMA* Willd. ex Klotz. Euphorbiaceae.

Col. No. 18375. Sierra Surotato, Sinaloa. Perennial herb; stems to 8 dm. long; leaves variable; bracts dark red (roots and crowns).

262192. *LIPPIA ALBA* N. E. Brown ex Britton & Wilson. Verbenaceae.

Col. No. 18364. Northwest end of Cerro Tecomate, Sinaloa. Aromatic, rare, ornamental shrub (budwood and plants).

262193. *RAUVOLFIA* sp. Apocynaceae.

Col. No. 18369. Sierra Surotato, Sinaloa. Elevation 1,800 meters. Perennial herb to 1 meter high; flowers yellow (plants).

262194. *SALVIA MADRENSIS* Seem. Menthaceae.

Col. No. 18373. Sierra Surotato, Sinaloa. Elevation 1,200 meters. Perennial to 1.5 meters high; leaves dark green; flowers bright yellow. Rare ornamental.

262195. *DIGITALIS LANATA* Ehrh. Scrophulariaceae.

From the Belgian Congo. Seeds presented by E. V. Chauveaux, "Bulengera", B.P. 11, Goma. Received Dec. 21, 1959.

From Domaine du Rawnkeri, Ruhengeri (Ruanda-Urundi).

262196 to 262202.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 22, 1959.

262196. *AGERATUM CORYMBOSUM* Zucc. Asteraceae.

Col. No. 18145. Rocky slope north of Rio Nazas, Durango. Elevation 2,100 meters. Plant caespitose; base rhizomatous; flowers bright purple.

262197 and 262198. *BIDENS* sp. Asteraceae.

262197. Col. No. 18208. Thirty-seven km. east of Palmito, Durango. Elevation 2,700 meters. Symmetrical perennial, to 1.3 meters high; flowers lavender.

262198. Col. No. 18209. Thirty-seven km. east of Palmito, Durango. Elevation 2,700 meters. Symmetrical perennial; leaves fine; flowers reddish.

262199. *BURSERA ODORATA* T.S. Brandeg. Balsameaceae.

Col. No. 18236. Thirty-nine km. southeast of Ciudad, Durango. Big-budded, dwarf; leaflets five.

262200. *SALVIA REGLA* Cav. Menthaceae.

Col. No. 17933. Forty-four km. west of Parral, Chihuahua. Elevation 1,960 meters. Shrub; flowers orange-red.

262196 to 262202—Continued

262201. *SILENE LACINIATA* Cav. Silenaceae.

Col. No. 18086. Twenty-six km. northeast of El Vergel, Chihuahua. Elevation 2,700 meters. Herb, possibly perennial.

262202. *ZINNIA MULTIFLORA* L. Asteraceae.

Col. No. 18226. Forty-six km. southeast of Ciudad, Durango. Elevation 1,800 meters. Diffuse, annual herb; flowers bright orange-yellow.

262203 to 262232.

From France. Seeds presented by R. Mayer, Versailles. Received Dec. 22, 1959.

262203 to 262211. *AVENA SATIVA* L. Poaceae.

Common oats.

262203. 'Avoine de Versailles'.

262204. 'Blanche de Wattines'. (Cultivated extensively).

262205. 'Blanche-Neige'.

262206. 'Flamande Despress'. (Cultivated extensively).

262207. 'Nappe d'Argent'.

262208. 'Noire de Moyencourt'. (Cultivated extensively).

262209. 'Pendek'.

262210. 'Vega'.

262211. 'Avoine d'Hiver du Prieure'. Resistant to cold.

Winter type.

262212 to 262221. *HORDEUM VULGARE* L. Poaceae.

Common barley.

262212 to 262217. Winter type.

262212. 'Bordia'. An old and popular variety.

262213. 'Escourgeon Hatif de Grignon'.

262214. 'Hatif Bonte'.

262215. 'Manon'. A recent variety from Belgium.

262216. 'Probstdorf'.

262217. V. 14. ('Bordia' $\times$ 'Kenia'). A recent variety resistant to lodging.

262218 to 262221. Spring type.

262218. 'Piroline'.

262220. 'Rika'.

262219. 'Aurore'.

262221. 'Beka'.

262222 to 262232. *TRITICUM AESTIVUM* L. Poaceae.

Common wheat.

Winter type. Northern region.

262222. 'Bellevue'. Resistant to cold. Cultivated in the eastern region.

262223. 'Cappelle-Desprez'. (*Cercosporella herpotrichoides* Fron. F2). A popular variety. Somewhat susceptible to foot rot.

262224. 'Champlein'. A new variety.

262225. 'Maitre Pierre'.

262226. 'Marne'. A new variety somewhat susceptible to foot rot.

262227. 'Petit-Quinquin'. Very resistant to lodging.

262228. 'Poncheau'.

262229. 'Prestige'. A new variety.

262230. 'Vilmorin'. An old variety. Southern region.

262231. 'Etoile de Choisy'. Spring type. An early variety. Southern region.

262232. 'Werna'. Resistant to black rust. Southern region.

262233 to 262241.

From Kenya. Seeds presented by the Grassland Research Station, Kitale. Received Dec. 22, 1959.

262233. *TRIFOLIUM BACCARINII* Chiov. Fabaceae. **Clover.**

No. K 54198. Annual, indigenous to Kenya. Elevation 1,500 meters. Roots at nodes; valuable for pasture.

262234. *TRIFOLIUM BURCHELLIANUM* var. *JOHNSTONII* (Oliv.) Gillet. **Clover.**

No. K 576. Smooth perennial; leaves long stemmed; leaflets membranous; flowers globose, heads to 25 mm. in diameter. Forage plant at high altitude; resembles *T. repens*.

262235. *TRIFOLIUM CHERANGANIENSE* Gillett.

No. K 50112. Indigenous clover of economic importance in East Africa. Plant cool season perennial, tender. (Possible hybrid of *T. cryptopodium* and *T. semipilosum*.)

262236. *TRIFOLIUM MASAIENSE* Gillett.

No. K 54260. Found in Tanganyika. Elevation 1,800 meters. Annual, similar in habit to *T. semipilosum*; to 60 cm. high. glabrescent; flowers pinkish-white.

262237. *TRIFOLIUM RUPPELLIANUM* Fresen.

No. K 53866. Annual; stems erect, branched; flowers in rounded, stalked heads; peduncles slightly pilose, longer than leaves; leaves glabrous. (Known as 'Ruppel's Clover' in S. Rhodesia.)

262238. *TRIFOLIUM SEMIPILOSUM* Fresen.

No. K 5154. Common in East Africa and Ethiopia. Noncreeping, dwarf perennial; strong taproot; flowers white.

262239. *TRIFOLIUM STEUDNERI* Schweinf.

No. K 51100. Glabrous annual; stems erect, branched, stalks 25 mm. long; leaflets linear; flowers violet, about 20 in a dense head; seed pod ovoid, 2-seeded.

262240. *TRIFOLIUM TEMBENSE* Fresen.

No. K 5252. Highlands. Elevation 2,700 meters. Creeping perennial, foliage stiff, hard, not palatable or nutritious; flowers few, wine-colored, turning blue in herbarium specimens; seeds few.

262241. *TRIFOLIUM USAMBARENSE* Taub.

No. K 53814. Tropical, low elevation, mesophyte. Plant palatable; used for pasturage.

262242 to 262266.

From the Netherlands. Plants purchased from the Royal Moerheim Nurseries, Dedemsvaart. Received Dec. 23, 1959.

262242. *ACER RUFINERVE* Sieb. & Zucc. Aceraceae. **Maple.**
'Erythrocladum'.

262243. *BERBERIS LINEARIFOLIA* Phil. Berberidaceae.
'Orange King'.

262244. *BUDDLEIA CRISPA* var. *FARRERI* (Balf. & W.W. Sm.) Hand.-Mzt. Loganiaceae.

262245. *BUDDLEIA DAVIDII* Franch. **Orange-eye butterflybush.**

262246. *CEANOTHUS* (hybrid) Rhamnaceae.
'Brilliant'.

262247 and 262248. *CEANOTHUS* × *DELILIANUS* Spach

262247. 'Charles Detriche'.

262248. 'Indigo'.

262242 to 262266—Continued

262249. *CEANOTHUS* (hybrid)

'Lucie-Simon'.

262250 and 262251. *CEANOTHUS* × *PALLIDUS* Lindl.

262250. 'Marie Simon'.

262251. 'Topaz'.

262252. *CORIARIA TERMINALIS* Hemsl. Coriariaceae.

Sikkim coriaria.

262253. *CORNUS ALBA* L. Cornaceae.

Tatarian dogwood.

'Westonbirt'.

262254. *COTONEASTER CONSPICUA* Comber. Malaceae.

'Decora'.

262255. *FORSYTHIA SUSPensa* (Thunb.) Wahl. Oleaceae. Weeping forsythia.

'Athrocaulis Nymans'.

262256. *INDIGOFERA POTANINII* Craib. Fabaceae.

Potanin.

262257. *KOLKWITZIA AMABILIS* Graebn. Caprifoliaceae.

'Rosea'.

262258. *MAHONIA AQUIFOLIUM* (Pursh) Nutt. Berberidaceae. Oregongrape.

'Vicarii'.

262259. *MAHONIA PINNATA* (Lag.) Fedde Berberidaceae.262260. *PHILADELPHUS DELAVAYI* (L.) Henry Hydrangeaceae. Mockorange.

'Nymans'.

262261. *POTENTILLA FRUTICOSA* L. Rosaceae.

Shrubby cinquefoil.

'Longacre'.

262262. *PRUNUS YEDOENSIS* Mats. Amygdalaceae.

Mame cherry.

'Moerheimii'.

262263 and 262264. *ROSCOEIA PURPUREA* J. E. Smith Zingiberaceae.

262263. No. 1.

262264. No. 2.

262265. *SALIX BOCKII* Seem. Salicaceae.262266. *SINARUNDINARIA MURIELAE* (Gamble) Nakai Poaceae.

Bamboo.

262267 to 262308.

From Brazil. Seeds collected by W. C. Gregory, collaborator, New Crops Research Branch, Crops Research Division, Beltsville, Md. Numbered Dec. 22, 1959.

262267. *ARACHIS* sp. Fabaceae.

Col. No. 9839. Fifty-four km. north of Campo Grande, road to Cuiaba, Mato Grosso. Plants in dense mats.

262268. *ARACHIS BENTHAMII* Handro

Col. No. 9869. Two hundred twenty-one km. north of Campo Grande, road to Cuiaba, Mato Grosso. Plants in dense mat.

262269. *ARACHIS LUTESCENS* Krapovickas & Rigoni Fabaceae.

Col. No. 9898. One hundred km. south of Cuiaba, Mato Grosso. Prostrate perennial; roots tuberous; standards red-veined.

262270. *ARACHIS GLABRATA* Benth. Fabaceae.

Col. No. 9901. Roadside 60 m. east of Cuiaba, Mato Grosso. Prostrate perennial, taproot.

262267 to 262308—Continued

262271 to 262273. *ARACHIS LUTESCENS* Krapovickas & Rigoni Fabaceae.

262271. Col. No. 9903. One hundred seventy-six km. north of Sao Loren-
cos, 60 km. east of Cuiaba. Prostrate perennial; roots tuberous.

262272. Col. No. 9906. Collected 10 km. north of Cuiaba, Mato Grosso.
Prostrate perennial; roots tuberous; standard red-veined.

262273. Col. No. 9920. Seventeen km. northeast of Rosario Oeste, road to
Esterado, Mato Grosso. Prostrate perennial; roots tuberous.

262274. *ARACHIS* sp.

Col. No. 9923. Seventeen km. northeast of Rosario Oeste, road to Estavado,
Mato Grosso. Prostrate perennial; roots tuberous.

262275. *ARACHIS MARTII* Handro Fabaceae.

Col. No. 9926. End of bridge, northwest Cuiaba, Mato Grosso. Perennial;
flowers orange (similar to *Arachis glabrata*), with yellow spots on standards;
taproot.

262276. *ARACHIS* sp.

Col. No. 9948. Thirty-five km. southeast of Rio Verde. Rhizomatous
perennial; flowers large; standard orange; wings yellow.

262277. *ARACHIS TUBEROSA* Benth.

Col. No. 9837. Fifty-four km. north of Campo Grande, road to Cuiaba,
Mato Grosso. Erect tuberous rooted, perennial.

262278 and 262279. *ARCHIS GLABRATA* var. *HAGENBECKII* (Harms) F. N.
Hermann.

262278. Col. No. 9841. Fifty-four km. north of Campo Grande, road to
Cuiaba, Mato Grosso. Pubescent, erect, perennial; taproot.

262279. Col. No. 9843. Fifty-four km. north of Campo Grande, road to
Cuiaba, Mato Grosso. Glabrous, erect, perennial; taproot.

262280. *ARACHIS* sp.

Col. No. 9848. One hundred km. north of Campo Grande, road to Cuiaba,
Mato Grosso. Erect perennial; roots tuberous.

262281. *ARACHIS* sp.

Col. No. 9858. One hundred sixty-three km. north of Campo Grande, road
to Cuiaba, Mato Grosso. Plant erect; roots tuberous.

262282. *ARACHIS* sp.

Col. No. 9863. One hundred ninety km. north of Campo Grande, road to
Cuiaba, Mato Grosso.

262283. *ARACHIS* sp.

Col. No. 9839. Fifty-four km. north of Campo Grande, road to Cuiaba,
Mato Grosso.

262284. *ARACHIS BENTHAMII* Handro

Col. No. 9869. Two hundred twenty-one km. north of Campo Grande, road
to Cuiaba, Mato Grosso. Plants form a dense mat.

262285. *ARACHIS* sp.

Col. No. 9875. North of Rio Verde 11 km., Mato Grosso.

262286. *ARACHIS* sp.

Col. No. 9882. Fifty-two km. north of Rio Verdo, road to Cuiaba, Mato
Grosso. Rhizomatous perennial.

262287. *ARACHIS GLABRATA* Benth.

Col. No. 9893. Rhondonopolis, Mato Grosso, 176 km. north of Gaucho,
road to Cuiaba. Rhizomatous perennial.

262267 to 262308—Continued

262288. *ARACHIS* sp.

Col. No. 9894. Ten km. west of Rondonopolis, Mato Grosso. Rhizomatous perennial.

262289. *ARACHIS LUTESCENS* Krapovickas & Rigoni

Col. No. 9898. One hundred km. south of Cuiaba, Mato Grosso. Prostrate perennial, standards red-veined; roots tuberous.

262290. *ARACHIS GLABRATA* Benth.

Col. No. 9901. Road side, 60 km. east of Cuiaba, Mato Grosso. Prostrate perennial; taproot.

262291 to 262293. *ARACHIS LUTESCENS* Krapovickas & Rigoni

262291. Col. No. 9903. One hundred seventy-six km. north of Sao Lorenzo, 60 km. east of Cuiaba. Prostrate perennial; roots tuberous.

262292. Col. No. 9905. Thirteen km. east of Cuiaba, Mato Grosso. Prostrate perennial; roots tuberous.

262293. Col. No. 9906. Ten km. north of Cuiaba, road to Rosaria Oeste, Mato Grosso. Prostrate perennial; roots tuberous; standards red-veined.

262294. *ARACHIS GLABRATA* Benth.

Col. No. 9918. Seventy km. north of Cuiaba, road to Rosario Oeste, Mato Grosso. Rhizomatous perennial.

262295. *ARACHIS LUTESCENS* Krapovickas & Rigoni

Col. No. 9920. Seventeen km. northeast of Rosario Oeste, Mato Grosso. Prostrate perennial; roots tuberous.

262296. *ARACHIS* sp.

Col. No. 9921. Seventeen km. northeast of Rosario Oeste, road to Estevado, Mato Grosso. Rhizomatous perennial.

262297. *ARACHIS* sp.

Col. No. 9922. Seventeen km. northeast of Rosario Oeste, road to Estevado, Mato Grosso. Rhizomatous perennial.

262298. *ARACHIS* sp.

Col. No. 9923. Seventeen km. northeast of Rosario Oeste, road to Estevado, Mato Grosso. Prostrate perennial, with high main axis; roots tuberous.

262299. *ARACHIS* sp.

Col. No. 9925. Thirty four km. northeast of Rosario Oeste, road to Estevado, Mato Grosso. Rhizomatous perennial.

262300. *ARACHIS MARTII* Handro

Col. No. 9926. Bridge, northwest edge of Cuiaba, Mato Grosso. Perennial; flowers orange (similar to *Arachis glabrata*) with yellow spots on standards; taproot.

262301. *ARACHIS* sp.

Col. No. 9935. Thirty km. east of Birro, Bondonapolis-Alta Araguaia road, Mato Grosso. Rhizomatous perennial.

262302. *ARACHIS TUBEROSA* Benth.

Col. No. 9942. Ten km. northwest of Jatai, Goias. Erect perennial; roots tuberous.

262303. *ARACHIS* sp.

Col. No. 9948. Thirty-five km. southeast on Rio Verde. Rhizomatous perennial; flowers, large; standards without spot; wings yellow.

262267 to 262308—Continued**262304. ARACHIS sp.**

Col. No. 9954. Itumbiara, Goias. Rhizomatous perennial; leaves pubescent; flowers large; standards orange with yellow spots; wings yellow with orange margin.

262305. ARACHIS sp.

Col. No. 9964. Fifty-five km. south of Bela Vista on road Itumbiara Rhizomatous perennial.

262306. ARACHIS sp.

Col. No. 9966. Ten km. south of Frutal Triangulo, Mineiros, Minas Gerais. Rhizomatous perennial.

262307. ARACHIS BURKARTII Handro

Col. No. 9974. Instituto Botanico, Sao Paulo, Rio Grande do Sul. Rhizomatous perennial; leaflets with strong margins.

262308. ARACHIS GLABRATA var. HAGENBECKII (Harms) F. J. Hermann.

Col. No. 9835. Forty-eight km. north of Campo Grande, road to Cuiaba, Mato Grosso. Erect perennial; taproot.

262309. SOLANUM CHIQUIDENUM Ochoa Solanaceae.

From Peru. Tubers presented by the Agricultural Engineer, Programa Papa, Lima. Received Dec. 28, 1959.

Has genes R1R2R3R4 resistant to *Phytophthora infestans* (potato late blight).

262310 to 262312.

From the Netherlands. Purchased from C. G. Van Tubergen's Bloembollen-en Zaadhandel N.V., Haarlem. Received Dec. 28, 1959.

262310. LEPTOCHITON QUITOENSIS Sealy Amaryllidaceae.

(Bulbs).

262311. NEOMARICA CAERULEA (Seub.) Sprague. Iridaceae.

(Plants).

262312. ZINGIBER sp. Zingiberaceae.

'Darcey'. (Tubers).

262313. CARTHAMUS GLAUCUS L. Asteraceae.

From Lebanon. Seeds presented by the American University of Beirut, Beirut. Received Jan. 21, 1960.

Collected at the Lebanese Experimental Station, Ryak, 70 km. east of Beirut. Elevation, 900 feet.

262314 to 262319.

From Australia. Plants purchased from Thomas Perrott & Sons, Brisbane, Queensland. Received Dec. 28, 1959.

262314. LAGERSTROEMIA INDICA L. Lythraceae. Common crapemyrtle.

'Rubra'.

262315. LAGERSTROEMIA SPECIOSA (Muench.) Pers. Queen crapemyrtle.

'Flos-Reginae'.

262316 to 262319. LAGERSTROEMIA (hybrids).

262316. 'Eavesii'.

262318. 'Newmanii'.

262317. 'Heliotrope Beauty'.

262319. 'Ovalfolia'.

262320 to 262326.

From Germany. Plants purchased from the Rudolf Schmidt Flower and Rose Culture Nurseries, Rellingen. Received Dec. 28, 1959.

262320. *FAGUS SYLVATICA* L. Fagaceae.

'Cristata'.

262321. *NEILLIA AFFINIS* Hemsl. Rosaceae.

262322. *NEILLIA THIBETICA* Franch.

262323. *POTENTILLA FRUTICOSA* L. Rosaceae.

Shrubby cinquefoil.

262324. *ROBINIA PSEUDOACACIA* L. Fabaceae.

'Monophylla Fastigiata'.

262325. *SALIX PURPUREA* L. Salicaceae.

'Pendula'.

262326. *SYRINGA TIGERSTEDTII* H. Sm. Oleaceae.

262327. *SACCHARUM* (hybrid). Poaceae.

Sugarcane.

From Cuba. Cuttings presented by Hans Sorensen, Central Jaronu, Camaguey. Received Dec. 29, 1959.

J 55-663.

262328. *DIOSCOREA DELTOIDEA* Wall. Dioscoreaceae.

From India. Roots presented by the Indian Agricultural Research Institute, New Delhi. Received Dec. 29, 1959.

Grown in Katrein, Kulu Valley.

262329 to 262344.

From the Netherlands. Bulbs purchased from the C. G. Van Tubergen's Bloembollen-en Zaadhandel N.V., Haarlem. Received Dec. 29, 1959.

262329 to 262337. *ACHIMENES* (hybrids) Gesneriaceae.

262329. 'Ambroise Verschaffelt'.

262334. 'Master Ingram'.

262330. 'Leonora'.

262335. 'Mauve Queen'.

262331. 'Little Beauty'.

262336. 'Paul Arnold'.

262332. 'Maduna'.

262337. 'Purple King'.

262333. 'Magnificent'.

262338. *ACHIMENES LONGIFLORA* DC.

'Margarita'.

262339. *BESSERA ELEGANS* Schult. f. Liliaceae.

262340. *CROCOSMIA MASONORUM* (Lo Bolus) N.E.Br. Iridaceae.

262341. *GLOXINIA MACULATA* L'Her. Gesneriaceae.

'Insignis'.

262342. *HAEMANTHUS KATHERINAE* Bak. Amaryllidaceae.

Bloodlily.

Select corms.

262343. *MONTBRETIA* (hybrid). Iridaceae.

'Emily McKenzie'.

262344. *EUCOMIS UNDULATA* Ait. Liliaceae.

262345 to 262348.

From Morocco. Seeds presented by the Institut Francais de Recherches Fruitieres Outre-Mer, Rabat. Received Dec. 29, 1959.

262345. *CITRUS MEDICA* L. Rutaceae.

Citron.

'Rhobs El Arsa'. Station Experimentale de Marrakech.

262345 to 262348—Continued

262346. CITRUS RETICULATA Blanco Mandarin orange.
 'Sanguine'. Station Experimentale de Marrakech.
 262347 and 262348. CITRUS SINENSIS (L.) Osbeck Orange.
 262347. 'Aziza'. Station Experimental de Sidi-Slimane. Fruit sweet;
 some ornamental characteristics.
 262348. 'Bou Rouhaine'. Souelah Citrus collection near Marrakech.

262349 to 262380.

From the Netherlands. Plants collected by F. G. Meyer, agricultural explorer,
 New Crops Research Branch, Crops Research Division, Beltsville, Md.
 Received Dec. 29, 1959.

Hortus Botanicus, Leiden.

262349. ALPINIA RAFFLESIANA Wall. Zingiberaceae.
 262350. ALSOMITRA SARCOPHYLLA M. Roem. Cucurbitaceae.
 262351. GASTROCHILUS ANGUSTIFOLIA Hall. f. Zingiberaceae.
 262352. CYPERUS ALTERNIFOLIUS L. Cyperaceae.
 262353. DRYNARIA SPARSISORA (Desv.) Moore Polypodiaceae.
 262354. EURYCLES SYLVESTRIS Salisb. Amaryllidaceae.
 262355. FICUS CONORA King Moraceae.
 262356. FICUS PREUSSII Warb.
 262357. GASTROCHILUS PANDURATA Ridley Zingiberaceae.
 262358. GYMNSTACHYUM CEYLANICUM Arn. & Nees. Acanthaceae.
 262359. HEMIGRAPHIS REPANDA Hall. f. Acanthaceae.
 262360. LUDOVIA CRENIFOLIA Drude Cylanthaceae.
 262361. MUSA HALABANENSIS W. Meier Musaceae.
 262362. MYRMECODIA TUBEROSA Jack Rubiaceae.
 262363. NEOALSOMITRA PODAGRICA van Steenis Cucurbitaceae.
 262364. NEPTUNIA PROSTRATA Baill. Mimosaceae.
 262365. PANDANUS GRAMINIFOLIUS Durz Pandanaceae.
 262366. POGONATHERUM CRINITUM (Thunb.) Kunth Poaceae.
 262367. POLYPODIUM AUREUM (L.) R. Br. Polypodiaceae.
 'Crispum'.
 262368. POLYPODIUM NIGRESCENS Bl.
 262369. PSEUDERANTHEMUM RETICULATUM Hort. ex Hook. Acanthaceae.
 262370. RHODODENDRON (hybrid). Ericaceae.
 'Macgregoriae' × 'Zoelleri'.
 262371. RHODODENDRON ZOELLERI Warb.
 262372. RUELLIA BLUMEI Steud. Acanthaceae.
 262373. SAMBUCUS NIGRA L. Caprifoliaceae. European elder.
 262374. SELAGINELLA GRANDIS Moore Selaginellaceae.
 262375. SELAGINELLA HAEMATODES (Kuntze.) Spring
 262376. SELAGINELLA WILLDENOVII Bak.
 262377. TRADESCANTIA sp. Commelinaceae.
 262378. POLYPODIUM MUSIFOLIUM Bl. Polypodiaceae.
 'Varen 88 Bogor'.

262349 to 262380—Continued

262379. *AGLAOMORPHA HERACLEUM* (Kunze) Copel. Polypodiaceae.

262380. *HITCHENIOPSIS KUNSTLERI* (Valeton) Ridl. ex Valeton Zingiberaceae.

262381. *PENNISETUM PURPUREUM* Schum. Poaceae. **Napiergrass.**

From the Belgian Congo. Cuttings presented by the Division de Botanique, Institut National pour l'Etude Agronomique de Congo Belge, Yangambi. Received Dec. 29, 1959.

262382 to 262393.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, Plant Introduction Section, Horticultural Crops Research Branch, Beltsville, Md. Received Dec. 30, 1959.

262382 and 262383. *ARBUTUS PENINSULARIS* Rose & Goldman Ericaceae.

262382. Col. No. 17997. Sierra Mohinora, Chihuahua. Elevation 8,000 feet. Shrub to 1.5 feet high; leaves bright green; flowers white to pink; fruits red.

262383. Col. No. 18007. Between Guadalupe y Calvo and Tecolate, Chihuahua. Elevation 7,500 feet. Bright green, ornamental shrub, to four feet high; fruits abundant.

262384. *ARBUTUS ARIZONICA* (A. Gray) Sarg. **Madrono.**

Col. No. 18087. Fourteen miles northeast of El Vergel, Chihuahua. Elevation 7,000 feet. Tree small; leaves bright green, attractive.

262385. *DAHLIA* sp. Asteraceae.

Col. No. 17951. Rio Verde road to Cienega Prieta, Chihuahua. Elevation 9,000 feet. Tall, hardy herb; flowers large, lavender.

262386. *DAHLIA* sp.

Col. No. 17993. Northeastern slope of Sierra Mohinora, Chihuahua. Elevation 7,500 feet. Perennial herb; under pines.

262387. *IPOMOEA* sp. Convolvulaceae.

Col. No. 17937. Forty-five miles west of Parral, Chihuahua. Perennial. Ornamental, grasslands, shrub.

262388. *NOLINA DURANGENSIS* Trel. Liliaceae.

Col. No. 17923. Twenty-two miles southeast of Parral, Chihuahua. Cespitose, shrub, green, leaves long, in rosettes; spikes to four feet long.

262389. *PENSTEMON* sp. Scrophulariaceae.

Col. No. 17963. Ten miles west of Chinatu, Chihuahua. Elevation 7,500 feet. Perennial; flowers red; inflorescence, paniculate.

262390. *PENSTEMON* sp.

Col. No. 17964. Twelve miles west of Chinatu, Chihuahua. Elevation 7,500 feet. Low-spreading, perennial, ornamental shrub.

262391. *PENSTEMON* sp.

Col. No. 17932. Four miles southwest of Villa Matamoros, Chihuahua. Elevation 6,000 feet. Shady side of cliff. Perennial herb; stems spreading, erect from base, to 16 inches long; flowers red; orifice yellow.

262392. *SALVIA HENRYI* A. Gray Menthaceae.

Col. No. 18066. Four miles southwest of Matamoros, Chihuahua. Elevation 6,500 feet. Shrub to 4 feet high; crown spreading; flowers reddish-purple.

262393. *TECOMA TRONADORA* (Loes.) I. M. Johnston Bignoniaceae.

Col. No. 18059. Rocky soil, Parral, Chihuahua. Elevation 6,300 feet. Shrub; flowers bright yellow.

262394. THEOBROMA CACAO L. Sterculiaceae. Cacao.

From the United States. Seeds from United States Plant Introduction Station, Miami, Florida. Received Dec. 30, 1959.

SCA-6 × UF 221. (Received on A-5238).

262395. LANTANA VELUTINA Mart. & Gal. Verbenaceae.

From Mexico. Plants presented by the University of Arizona, Tucson, Arizona. Received Dec. 30, 1959.

Collected in Jalisco, 15 miles west of Toquila, Mexico. Growing in grassland, soil rocky.

'Dwarf type'. (Received on A-5094).

262396 to 262398.

From Ireland. Seeds presented by the Department of Agriculture, Dublin. Received Dec. 30, 1959.

262396. AVENA SATIVA L. Poaceae. Common oats.

'Glasnevin Triumph'.

262397 and 262398. HORDEUM VULGARE L. Poaceae. Common barley.

262397. 'Banba'.

262398. 'Hunter'.

262399 to 262417.

From Mexico. Seeds collected by H. S. Gentry, agricultural explorer, New Crops Research Branch, Crops Research Division, Beltsville, Md. Received Dec. 30, 1959.

262399. CROTALARIA sp. Fabaceae.

Col. No. 72. 'Silbestre Semillas'. Charijoa, Sonora.

262400. CROTALARIA sp.

Col. No. 18186. Palmito, Durango. Elevation 7,000 feet. Annual to 16 inches high. Near *C. longirostrata*.

262401. DALEA CARNESCENS (Rydb.) Bullock. Fabaceae.

Col. No. 18041. Near Torreón de las Canas, Durango. Elevation 6,500 feet. Prostrate perennial; heads erect.

262402. DALEA sp.

Col. No. 17942. Rocky slope 53 miles west of Parral, road to El Vergel, Chihuahua. Elevation 6,400 feet. Shrub to 4.5 feet high; flowers yellow; pods black. Lemon odor.

262403. INDIGOFERA sp. Fabaceae.

Col. No. 17918. Tuffaceous monadnock, 22 miles southeast of Parral, Chihuahua. Spreading, perennial shrub to 3 feet high.

262404. LATHYRUS sp. Fabaceae.

Col. No. 17936. Forty-three miles west of Parral, Chihuahua-Durango border. Erect perennial shrub.

262405. LOTUS CHIHUAHUANUS (S. Wats.) Greene Fabaceae.

Col. No. 18085. Fourteen miles northeast of El Vergel, Chihuahua. Elevation 9,000 feet. Erect, perennial, diffuse herb; flowers yellow.

262406. LOTUS OBLONGIFOLIUS (A. Gray) Greene Fabaceae.

Col. No. 18206. Wet rocks 11 miles east of Palmito, Durango. Large mass of foliage.

262407. LUPINUS sp. Fabaceae.

Col. No. 17998. LaRocha, Sierra Mohinora, Chihuahua. Elevation 7,500 feet. Annual; flowers white.

262399 to 262417—Continued

262408. *NICOTIANA* sp. Solanaceae.

Col. No. 17910. About 6 miles west of Parral, Chihuahua. Elevation 5,800 feet. Slender annual.

262409. *NICOTIANA TRIGONOPHYLLA* Dunal Solanaceae.

Col. No. 17903. Between Camargo and Junenez, Chihuahua. Erect annual to 6 feet high; flowers greenish-yellow.

262410. *PHASEOLUS WRIGHTII* A. Gray Fabaceae.

Col. No. 18024. Oak woodland 15 miles northeast of El Vergel, Chihuahua. Elevation 7,000 feet. Perennial ground vine.

262411. *PHASEOLUS* sp.

Col. No. 17931. Four miles southwest of Villa Matamoros, Chihuahua. Elevation 6,200 feet. Vine.

262412 and 262413. *TRIFOLIUM AMABILE* H.B.K. Fabaceae.

262412. Col. No. 18004. Open pine woods near Guadalupe y Calvo, Chihuahua. Elevation 7,500 feet. Small decumbent perennial.

262413. Col. No. 18114. Mesa de Gonzales, 20 miles southwest of La Junta, Chihuahua. Decumbent perennial; leaves large; stems juicy, to 14 inches long. Grazed by cattle.

262414. *VICIA* sp. Fabaceae.

Col. No. 17952. Rio Verde, and road to Cienega Prieta, Chihuahua. Elevation 9,000 feet. Fine-leaved bushy vine.

262415. *VICIA* sp.

Col. No. 18021. Oak woodland 15 miles northeast of El Vergel, Chihuahua. Elevation 7,000 feet. Fine-leaved, bushy perennial.

262416. *ERAGROSTIS INTERMEDIA* Hitchc. Poaceae. **Plains lovegrass.**

Col. No. 17866. Sahuarita, Arizona border. Cultivated variety; threshed for seeds.

262417. *AQUILEGIA* sp. Ranunculaceae.

Col. No. 17994. La Rocha, east slope of Sierra Mohinora, Chihuahua. Elevation 7,500 feet. Perennial.

262418 to 262425. *CARTHAMUS TINCTORIUS* L. Asteraceae.

Safflower.

From Canada. Seeds presented by the Agricultural Experiment Station, Lethbridge, Alberta.

From the Commonwealth Scientific and Industrial Research Organization, Canberra, Australia. Received Dec. 30, 1959.

262418. 60 (1); L-1. Plant slightly spiny; flowers white; head small. Oil content 35 percent. Iodine index value 145.

262419. 48-89 (B); L-2. Plant spineless; flowers orange-red; head large. Oil content 32 percent. Iodine index value 149.

262420. 61 910; L-3. Plant very spiny; flowers yellow; head small. Oil content 31 percent. Iodine index value 145.

262421. 'Horowitz 23' (1). Plant spineless; flowers yellow; head medium; Oil content 33.5 percent. Iodine index value 149.

262422. 4 (1); L-5. Plant slightly spiny; flowers white; head small. Oil content 35 percent. Iodine index value 149.

262423. 803; (20); L-6. Plant spineless; flowers red; head large; Oil content 35 percent. Iodine index value 152.

262424. 55 (11); L-7. Plant very spiny; flowers yellow; head medium. Oil content 36 percent. Iodine index value 145.

262425. 47-53 (T-2) (1); L-9. High oil content.

262426 to 262453. CARTHAMUS TINCTORIUS L. Asteraceae.**Safflower.**

From Canada. Seeds presented by the Agricultural Experiment Station, Lethbridge, Alberta.

From the All-Union Institute of Plant Industry, Leningrad, Union of Soviet Socialist Republics. Received Dec. 30, 1959.

262426. K-20. Afghanistan.	262440. K-90. Egypt.
262427. K-21. Afghanistan.	262441. K-95. Egypt.
262428. K-29. Tadzhik S.S.R.	262442. K-97. Valencia, Spain.
262429. K-32. Ethiopia.	262443. K-98. Spain.
262430. K-36. Syria.	262444. K-107. Turkmen S.S.R.
262431. K-38. Palestine.	262445. K-112. India.
262432. K-47. Armenia.	262446. K-113. India.
262433. K-61. Ethiopia.	262447. K-117. Kazak S.S.R.
262434. K-62. Ethiopia.	262448. K-120. Tadzhik S.S.R.
262435. K-64. Uzbek S.S.R.	262449. K 129. India.
262436. K-66. Africa.	262450. K-140. India.
262437. K-67. Africa.	262451. K-141. India.
262438. K-70. Africa.	262452. K-150. Western China.
262439. K-76. Ethiopia.	262453. K-153. Western China.

262454 to 262501.

From Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Dec. 30, 1959.

262454 to 262458. BROMUS INERMIS Leyss. Poaceae. Smooth brome.

262454. No. 25706. 'Morshansky 760'. Tambov Oblast.
262455. No. 27852. 'Penzensky 1'. Penza Oblast.
262456. No. 28195. A selection. Bashkir, A.S.S.R.
262457. No. 28199. 'Mestnyi'. A selection. Bashkir, A.S.S.R.
262458. No. 33304. 'Donskoi'. Voronezh Oblast.

262459 to 262461. DACTYLIS GLOMERATA L. Poaceae. Orchardgrass.

262459. No. 32087. Kabardian, A.S.S.R.
262460. No. 32088. 'Nalchikskaya' selection. Kabardian, A.S.S.R.
262461. No. 32797. A selection. Krasnodar Krai.

262462 to 262466. FESTUCA ELATIOR L. Poaceae. Meadow fescue.

262462. No. 25876. 'Morshanskaya 1304'. Tambov Oblast.
262463. No. 27538. 'Stennaga'. Krasnodar Krai.
262464. No. 29772. 'Iygevskaya 47'. Estonia.
262465. No. 31689. A selection. Latvia.
262466. No. 33305. A selection. Kirovograd Oblast.

262467 to 262471. PHLEUM PRATENSE L. Poaceae. Timothy.

262467. No. 26650. A selection. Vologda Oblast.
262468. No. 27719. 'Narymskaia'. Tomsk Oblast.
262469. No. 31622. A selection. Lithuania.
262470. No. 31625. Lithuania.
262471. No. 32035. Kirgiz, S.S.R.

262454 to 262501—Continued**262472 to 262501. ZEA MAYS L. Poaceae.****Corn.**

262472. No. 11076. White flint. Selection. White Russia, S.S.R.
 262473. No. 11139. Yellow and white flint. Selection. Kaliningradsk Oblast, RSFSR.
 262474. No. 11145. Selection. Far East Region.
 262475. No. 11147. Yellow flint. Selection. Far East Region.
 262476. No. 11148. Yellow and white flint. Selection. Far East Region.
 262477. No. 11361. Yellow half-dent. Selection. Azerbaizhan, S.S.R.
 262478. No. 11392. Yellow dent. Selection. Ukraine, S.S.R.
 262479. No. 11468. Yellow flint. Selection. Uzbek, S.S.R.
 262480. No. 11469. White flint. Selection. Uzbek, S.S.R.
 262481. No. 11477. Yellow flint and dent. Selection. Uzbek, S.S.R.
 262482. No. 11522. Yellow flint. Selection. Sakhalin.
 262483. No. 11857. White flint. Selection. Kazakh, S.S.R.
 262484. No. 11953. White dent. Selection. Georgia, S.S.R.
 262485. No. 11976. Yellow half-dent. Mountain selection. Ukraine, S.S.R.
 262486. No. 11979. Yellow and orange, dent and flint. Selection. Ukraine, S.S.R.
 262487. No. 11980. Yellow and orange, dent and flint. Selection.
 262488. No. 11984. Yellow flint. Mountain selection. Northern Caucasus.
 262489. No. 11993. Yellow flint. Selection. Daghestan, A.S.S.R.
 262490. No. 12013. White and yellow dent. Selection. Ukraine, S.S.R.
 262491. No. 12032. White, yellow and orange flint. Selection. Ukraine, S.S.R.
 262492. No. 12036. White and yellow dent. Selection. Kuybyshev Oblast, R.S.F.S.R.
 262493. No. 12038. Yellow flint. Bessarabian selection. Ukraine, S.S.R.
 262494. No. 12253. Variegated, dent and flint. Selection. Karabajhkaya Out. Oblast.
 262495. No. 12268. Yellow flint. Selection. Georgia, S.S.R.
 262496. No. 12269. Yellow dent. Selection. Georgia, S.S.R.
 262497. No. 12271. Yellow dent. Selection, Georgia, S.S.R.
 262498. No. 12277. Yellow flint. Selection. Tadzhik, S.S.R.
 262499. No. 12312. Yellow flint. Selection. Omsk Oblast, S.F.S.R.
 262500. No. 12325. Yellow flint. Selection. Moldavia, S.S.R.
 262501. No. 12332. Yellow flint. Altaisk selection. Western Siberia.

262502 and 262503. SACCHARUM (hybrids) Poaceae. Sugarcane.

From Puerto Rico. Cuttings presented by the Sugarcane and Sweet Sorghum Section, Agricultural Experiment Station, Rio Piedras. Received Dec. 30, 1959.

262502. B37161.

262503. B37172.

262504 to 262553.

From Israel. Seeds presented by the Hebrew University, Tel Aviv. Received Dec. 30, 1959.

262504 to 262508. *CARTHAMUS NITIDUS* Boiss. Asteraceae.

262504. From En-gedi. One plant.

262505. From En-gedi. One plant. Hairy.

262506. From En-gedi. One plant. Hairy.

262507. From En-gedi. One plant. Hairy.

262508. From Metsada. HU-59-8. Typical. Bulk.

262509 to 262513. *CARTHAMUS PALAESTINUS* Eig.

262509. HU-59-16. From Metsada. One plant.

262510. HU-59-23. From Metsada. Bulk.

262511. HU-59-29. From Metsada. One plant.

262512. HU-59-32. From Metsada. One plant. Flowers white.

262513. HU-59-36. From Metsada. Bulk.

262514. *CARTHAMUS TINCTORIUS* L.

Safflower.

No. 51. From Tashkent, U.S.S.R.

262515 to 262521. *HELIANTHUS ANNUUS* L. Asteraceae. **Common sunflower.**

262515. From Sofia, Bulgaria.

262516. No. 1646. From Vniimk.

262517. No. 8931. From Vniimk.

262518. No. 2-19. From I.S.R.

262519. No. N75. From Bulgaria.

262520. No. 8281. From Zhdanov, Ukraine, S.F.S.R.

262521. No. N85. From Bulgaria.

262522 to 262528. *LINUM USITATISSIMUM* L. Linaceae.

Common flax.

262522. From Seirek.

262523. From Lusizia.

262524. From Mejdiv, Povdiv, Bulgaria.

262525. From Svetoch.

262526. From Rijeka, Yugoslavia.

262527. From Predilshchik.

262528. From Ungarski Sekatsch, Hungary.

262529 to 262531. *LOTUS CORNICULATUS* L. Fabaceae.

Birdsfoot trefoil.

262529. From Trebic, Czechoslovakia.

262530. From Tobor, Czechoslovakia.

262531. From Malejo, Czechoslovakia.

262532. *MEDICAGO FALCATA* L. Fabaceae.

Yellow-flowered alfalfa.

From Kuban, S. Vologda Oblast, S.F.S.R.

262533 to 262550. *MEDICAGO SATIVA* L.

Alfalfa

262533. From Manchuria.

262534. From Hodonin, Czechoslovakia.

262535. From Zagreb, Yugoslavia.

262536. From Poltavskaya, W. Krasnodar Krai, S.F.S.R.

262537. Slavyanskaya, W. Krasnodar Krai, S.F.S.R.

262504 to 262553—Continued

262538. From Morocco.
 262539. From Tibet.
 262540. From Gramada, Bulgaria.
 262541. From Boinitsa, Bulgaria.
 262542. From Nagyszenas, Hungary.
 262543. From Szarvas, Hungary.
 262544. From Prerov, Czechoslovakia.
 262545. From Bankya, Bulgaria.
 262546. From Plavdiv, Bulgaria.
 262547. From Samkevicha, U.S.S.R.
 262548. From Stupki, Ukraine, S.S.R.
 262549. From Sofia, Bulgaria.
 262550. From Manchevska.

262551. *MELILOTUS ALBA* Desr. Fabaceae. White sweetclover.
 From Sofia, Bulgaria. No. N3.
 262552. *MELILOTUS OFFICINALIS* (L.) Lam. Yellow sweetclover.
 From Kazanlik, Bulgaria.
 262553. *RICINUS COMMUNIS* L. Euphorbiaceae. Castorbean.
 From Pavlikeni, Bulgaria. No. N141.

262554 to 262678.

From the Union of Soviet Socialist Republics. Seeds presented by the All-Union Institute of Plant Industry, Leningrad. Received Dec. 30, 1959.

- 262554 to 262560. *HORDEUM VULGARE* var. *PALLIDUM* Seringe Poaceae. Barley.
 Selections resistant to lodging.
 262554. No. 11363. Selection, Azerbaijan, S.S.R.
 262555. No. 15240. 'Daghestansky 239'. Daghestan, A.S.S.R.
 262556. No. 16211. 'Kartuly 36'. Georgia, S.S.R.
 262557. No. 18122. 'Giaginsky 395' Krasnodar Krai. Hardy winter types.
 262558. No. 13031. 'Kruglik 21'. Krasnodar Krai.
 262559. No. 16948. 'Krasnodarsky 2929'. Krasnodar Krai.
 262560. No. 18469. 'Odessky 17'. Ukraine, S.S.R.
 262561. *SORGHUM SUNDANENSE* (Piper) Stapf Poaceae. Sudangrass.
 Wild collection.
 262562. *SORGHUM DURRA* Forsk.
 No. 1795. 'Jugara Karlikovaya 185'. Krasnodar Krai.
 262563 to 262567. *SORGHUM DOCHNA* (Forsk.) Snowden
 262563. No. 450. 'Severokavkazskoye Oraizhevoye'
 262564. No. 813. 'Yantar Kutaisky'.
 262565. No. 1783. 'Yantar Krasny 271/585'
 262566. No. 1791. 'Sakharnoye 28/435'
 262567. No. 2319. 'Stavropolskoye 98'

262554 to 262678—Continued

- 262568 and 262569. *SORGHUM BICOLOR* (L.) Moench
 262568. No. 1438. 'Kusanskoye Ranneye'.
 262569. No. 1418. 'Gaolyan Karlikovy'. Krasnodar Krai.
- 262570 to 262576. *TRIFOLIUM PRATENSE* L. Fabaceae. **Red clover.**
 262570. No. 19612. 'Podolsky'. Chernovitzkaya Oblast.
 262571. No. 24631. Central Russia.
 262572. No. 24653. 'Konishchevsky'. Yaroslavskaya Oblast.
 262573. No. 26047. 'Sivoritsky 416'. Leningradskaya Oblast.
 262574. No. 26637. 'Narimsky'. Tomskaya Oblast.
 262575. No. 30812. 'Permsky'. Permskaya Oblast.
 262576. No. 33102. 'Abadzekhsky'. Krasnodar Krai.
- 262577 to 262583. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
 262577. No. K-15197. Winter type. 'Moskovskaya 2453'.
 262578. No. K-29439. Winter type. 'Ulyanobka'.
 262579. No. 38563. Winter type. 'Hybrid 481'.
 262580. No. 40604. Winter type. 'Odesskaya 16'.
 262581. No. K-41651. Winter type. 'VIR 463'.
 262582. No. K-38530. Spring type. 'Caesium 94'.
 262583. No. K-41967. Spring type. 'Bashkirskaya 4'.
- 262584 to 262586. *TRITICUM DURUM* Desf. **Durum wheat.**
 262584. No. K-8882. 'Arnautka'.
 262585. No. K-39122. 'Hordeiforme 496'.
 262586. No. K-40709. 'Kubanka 3'.
- 262587 and 262588. *ZEA MAYS* L. Poaceae. **Corn.**
 262587. No. 10495. 'Hybrid VIR-156 F'. Northern Caucasus.
 262588. No. 12000. 'Odesskaya 10'. Ukraine, S.S.R.
- 262589 to 262663. *TRITICUM AESTIVUM* L. Poaceae. **Common wheat.**
 262589. No. 38518. 'Goritskaya'. Kalinin Oblast.
 262590. No. 41298. 'Akhmylovka'. Mari, U.S.S.R.
 262591. No. 28310. 'Sarrubra'. Saratov Oblast.
 262592. No. 36458. 'Dmitrovskaya'. Moscow Oblast.
 262593. No. 35698. 'Batetskaya Belokoloska'. Novgorod Oblast.
 262594. No. 38129. 'Vysokolitovskaya'. Brex Oblast.
 262595. No. 40329. 'Saratovskaya 210'. Saratov Oblast.
 262596. No. 42771. 'Dankovi'. Lithuania, S.S.R.
 262597. No. 22233. 'Caesium 111'. Omsk Oblast.
 262598. No. 38530. 'Caesium 94'. Omsk Oblast.
 262599. No. 35803. 'Galgals'. Selection. Armenia, S.S.R.
 262600. No. 11221. 'Krymka'. Selection, Ukraine, S.S.R.
 262601. No. 11370. 'Erythrospermum 341'. Saratov Oblast, U.S.S.R.
 262602. No. 11389. 'Kooperatorka'. Ukraine, S.S.R.
 262603. No. 16713. 'Kyrda-Bugda'. Azerbaijan, S.S.R.
 262604. No. 21967. 'Erythrospermum 841'.

262554 to 262678—Continued

262589 to 262663—Continued

- 262605. No. 35580. 'Karagan'. Turkmen, S.S.R.
- 262606. No. 37564. 'Ostaka'. Selection. Ukraine, S.S.R.
- 262607. No. 37573. 'Bila'. Ukraine, S.S.R.
- 262608. No. 38399. 'Giulgeri'. Daghestan, U.S.S.R.
- 262609. No. 38457. 'Giulgiani'. Armenia, S.S.R.
- 262610. No. 38503. 'Novoukrainka 83'. Krasnodar Krai, U.S.S.R.
- 262611. No. 40321. 'Kyzyl'dzha'. Turkmen, S.S.R.
- 262612. No. 40328. 'Surkhaki'. Selection, Tadzhik, S.S.R.
- 262613. No. 40583. 'Bezenchuk'skaya 98'. Kuibyshev Oblast, U.S.S.R.
- 262614. No. 40653. 'Novoukrainka 84'. Krasnodar Krai, U.S.S.R.
- 262615. No. 40997. 'Todiresh'ti'. Moldavia, S.S.R.
- 262616. No. 41153. 'Belotserkovskaya 189'. Ukraine, S.S.R.
- 262617. No. 41367. 'Priazov'skaya'. Rostov Oblast, U.S.S.R.
- 262618. No. 19418. 'Trammai'. Uzbek, S.S.R.
- 262619. No. 35817. 'Upkli'. Georgia, S.S.R.
- 262620. No. 39229. 'Ak-bugdai'.
- 262621. No. 41268. 'Baktianskaia'. Selection. Ukraine, S.S.R.
- 262622. No. 41475. 'Bessarabka'. Moldavia, S.S.R.
- 262623. No. 41973. 'Bukovinka'. Ukraine, S.S.R.
- 262624. No. 23608. 'Karmraat'. Armenia, S.S.R.
- 262625. No. 36467. 'Alenkaya'. Altai Krai.
- 262626. No. 38256. 'Karmir Slfaat'. Armenia, S.S.R.
- 262627. No. 38257. 'Alti-Agach'. Selection. Armenia, S.S.R.
- 262628. No. 38397. 'Akhalt'sikhis-Tsiteli-Doli'. Georgia, S.S.R.
- 262629. No. 39879. 'Kyrmyzy-Bugda'. Azerbaijan, S.S.R.
- 262630. No. 41633. 'Kazakhstanskaya 126'. Kazakh, S.S.R.
- 262631. No. 35760. 'Babilo'. Tadzhik, S.S.R.
- 262632. No. 10261. 'Lutescens 1060/10'. Saratov Oblast.
- 262633. No. 32095. 'Amurskaya Golokoloska'. Amur Oblast.
- 262634. No. 36594. 'Borovichskaya'. Novgorod Oblast.
- 262635. No. 38215. 'Kazachinskada'. Krasnoyarsk Krai.
- 262636. No. 38238. 'Alabasskaya'. Kazakh, S.S.R.
- 262637. No. 38248. 'Ust Ishim'skaya'. Omsk Oblast.
- 262638. No. 38392. 'Lagodekhis-Grdzeltavtava'. Georgia, S.S.R.
- 262639. No. 38394. 'Khulugo'. Georgia, S.S.R.
- 262640. No. 38396. 'Gomborka'. Georgia, S.S.R.
- 262641. No. 38535. 'Lutescens 758'. Saratov Oblast.
- 262642. No. 39294. 'Klimatinskaya'. Leningrad Oblast.
- 262643. No. 40208. 'Dalnevostochnaia'. Primorsky Krai.
- 262644. No. 40599. 'Saratovskaya 29'. Saratov Oblast.
- 262645. No. 40649. 'Bezostaya 4'. Krasnodar Krai.
- 262646. No. 40682. 'Vladimirskaya'. Vladimir region.

262554 to 262678—Continued**262589 to 262663—Continued**

- 262647. No. 40702. 'Sibirka'. Selection. Krasnoyarsk district.
- 262648. No. 41173. 'Skala'. Urkutsk region, U.S.S.R.
- 262649. No. 34058. 'Zarda'. Armenian, S.S.R.
- 262650. No. 38244. 'Zhdanovka'. Tyumen Oblast.
- 262651. No. 38329. 'Milturum Pererod'. White Russia, S.S.R.
- 262652. No. 38370. 'Glebovskaya'. Yaroslav, S.S.R.
- 262653. No. 40980. 'Beltskaya'. Moldavia, S.S.R.
- 262654. No. 41703. 'Batkan Karasnaya'. Kirgiz, S.S.R.
- 262655. No. 48115. 'Dubovitskaya'. Selection. Ukraine, S.S.R.
- 262656. No. 8547. 'Ukrainka'. Ukraine, S.S.R.
- 262657. No. 40655. 'Ikanka'. Selection. South-Kakakhstan Oblast.
- 262658. No. 40646. 'Kara-Keltek'. Uzbek, S.S.R.
- 262659. No. 24767. 'Safedake'. Selection. Tadzhik, S.S.R.
- 262660. No. 42063. 'Turtsikum'. Selection. Nakhichevan, U.S.S.R.
- 262661. No. 29439. 'Ulianovka'. Ulyanovsk Oblast.
- 262662. No. 38282. 'Stepnaya 135'. Voronezh Oblast.
- 262663. No. 40579. 'Karel'skaya Bezotnaya'. Karelian, U.S.S.R.

262664 to 262669. TRITICUM COMPACTUM Host. Poaceae.

- 262664. No. 23616. 'Erinaceum'. Selection.
- 262665. No. 24730. 'Teremok'. Kazakh, S.S.R.
- 262666. No. 35814. 'Kozhe-Bidai'. Kazakh, S.S.R.
- 262667. No. 36316. 'Meskren'. Local selection. Kazakh, S.S.R.
- 262668. No. 38471. 'Komchatka'. Turkmen, S.S.R.
- 262669. No. 40780. 'Rubritseps'. Armenia, S.S.R.

262670 to 262677. TRITICUM DURUM Desf. Poaceae.**Durum wheat.**

- 262670. No. 8882. 'Arnautka'. Krasnodar Krai.
- 262671. No. 13191. 'Beloturka'. Kuibyshev Oblast.
- 262672. No. 26461. 'Beloturka'. Altai Krai.
- 262673. No. 26610. 'Beloturka'. Altai Krai.
- 262674. No. 26937. 'Kubanka'. Krasnodar Krai.
- 262675. No. 38439. 'Kubanka Karakolskaya'. Kirgiz, S.S.R.
- 262676. No. 38687. 'Sary-Bugda'. Daghestan, U.S.S.R.
- 262677. No. 38393. 'Shavpkha'. Georgia, S.S.R.

262678. TRITICUM CARTHLICUM Nevski.

- No. 38388. 'Dika Dzhavakhetskaya'. Georgia, S.S.R.

INDEX OF COMMON AND SCIENTIFIC NAMES

Abelia chinensis, 261178.
floribunda, 261179.
graebneriana, 261180.
schumannii, 261181.
serrata, 261182.
Abelia, Mexican. See *Abelia floribunda*.
Abies concolor, 261476.
georgei, 261477.
kawakamii, 261478.
pindrow var. *brevifolia*, 261479.
religiosa, 261480.
 sp., 261481.
Abutilon leucopetalum, 256429.
 sp., 261301.
Acacia acinacea, 256081.
aculeatissima, 256636.
acuminata, 256082.
alpina, 258496.
argyrophylla, 256186.
aspera, 256637.
auriculaeformis, 256264.
beauverdiana, 255019.
bidentata, 256546.
bidwillii, 256430.
calamifolia, 255666.
casiella, 256630.
collettioides, 255642.
drummondii, 256265, 256638.
estropiolata, 256667.
euthycarpa, 256668.
ferocior, 256748.
fragilis, 254927.
glandulicarpa, 256639.
hakeoides, 256083, 260807.
howittii, 256084.
jonesii, 255667.
juniperina, 256187.
ligulata, 256188.
linifolia var. *prominens*, 256431.
linophylla, 255020.
longifolia var. *sophorae*, 255668.
maidenii, 260066.
merrallii, 255021.
microcarpa, 256085.
mittellii, 256747.
montana, 256632.
murrayana, 256547.
myrtifolia, 255669, 256633.
nitidula, 256548.
notabilis, 255670, 256189.
oswaldii, 256190.
pycnantha, 255671, 256086, 256087.
retinodes, 256088.
rigens, 256089, 256191.
rupicola, 255672.
salicina, 256090.
sowdenii, 256192.
stenophylla, 256091.
stricta, 255673.
suaveolens, 256193.
trineura, 256634.

Acacia acinacea—Continued
ulicifolia, 256640, 260067.
undulataefolia var. *humilis*, 256549.
verniciiflua, 256092.
victoriae, 256093, 256194.
wattsiana, 256195.
 sp., 255674, 256094.
Acalypha (hybrid), 261403.
Acanthopanax sciadophylloides, 260384.
Acer capillipes, 256504.
carpinifolium, 256495.
grosseri, 260743.
negundo, 261826, 261827.
palmatum, 255992.
pseudoplatanus, 261828.
rufrinerve, 262242.
Achimenes (hybrids), 262329–262337.
grandiflora, 260703.
longiflora, 262338.
Aconitum × *arendsii*, 261291.
Acrothriche depressa, 256196.
Actinidia chinensis, 257464–257469.
Actinostrobos sp., 256095.
Actinotus helianthi, 255022, 256266.
leucocephalus, 256345.
Adenium coetaneum, 261156.
Aegilops biuncialis, 254859.
columnaris, 254860–254862.
cylindrica, 254863.
longissima, 254864.
speltoides, 254865.
Aeonium arborcum, 259952.
Aerva sanguinolenta, 260821.
Aeschynanthus sp., 261022.
Aeschynomene indica, 257662, 257663.
Aesculus chinensis, 255993.
indica, 261214.
turbinata, 261267.
Afgekia sp., 261157.
Agalmyla staminea, 261033.
Agave angustissima, 255268.
cerulata, 255269, 255270.
colorata, 255271.
expansa, 255272.
filifera, 261584.
huachucensis, 255273.
lophantha, 257573.
mitraeformis, 255274.
murpheyi, 255275.
nelsonii, 255276.
parviflora, 258952.
pedunculifera, 261585.
pringlei, 255277.
schottii, 255326.
shawii, 255278.
sisalana, 255279.
toumeyana, 255280.
vilmoriniana, 255281, 255282.
 sp., 255283–255299, 256250, 258953,
 260729, 260730, 261326–261333,
 261586, 261587.

- Agave*, crested. See *Agave lophantha*.
Ageratum corymbosum, 262196
Aglaodorum griffithii, 261404.
Aglaomorpha heracleum, 262379.
Aglaonema costatum, 260822.
 novoguineense, 260823.
 simplex, 260824, 260825.
 sp., 261092, 261366.
Agonis juniperina, 256641.
 marginata, 254928, 255675.
Agropyron buonapartis, 261220.
 cristatum, 255143-255145.
 elongatum, 255146, 255148, 255149.
 intermedium, 255147, 261098.
 littorale, 255355.
 obtusiusculum, 257664, 261099.
 orientale var. *lanuginosum*, 261221.
 panormitanum, 254866.
 repens, 261222.
 sp., 255150.
Agrostis alba, 255869.
 sp., 258456.
 Airpotato. See *Dioscorea bulbifera*.
Ajuga australis, 256749, 260068.
Alchornea ilicifolia, 256432.
Alectryon excelsum, 260069.
 subcinereus, 260070.
 tomentosum, 260071.
Aleurites moluccana, 261847.
 Alfalfa. See *Medicago sativa*.
 yellow-flowered, see *M. falcata*.
Allium ampeloprasum, 260443.
 angulosum, 261790, 261791.
 ascalonicum, 260442.
 caeruleum, 261792.
 carinatum, 261793.
 cepa, 255460-255462, 255480,
 255557, 256048, 256049, 256322-
 256329, 257276, 258956, 258957,
 260793, 261591, 261754, 261764-
 261768.
 farreri, 261794.
 karataviense, 261795.
 melanantherum, 261000.
 moly, 261796.
 narcissiflorum, 261797.
 nutans, 261798.
 obliquum, 261799.
 oreoprasum, 261800.
 ostrowskianum, 261801.
 porrum, 255580, 256050, 256051,
 260201, 261592.
 pulchellum, 261802.
 rotundum, 260444.
 sativum, 257277, 260202, 260203,
 260445, 260794.
 schoenoprasum, 260795, 261803,
 261638, 261639, 262177.
 senescens, 261804.
 sibiricum, 261805.
 stipitatum, 261806.
 ursinum, 261807.
 victoralis, 261808.
 vineale, 261809.
 wakegi, 260288.
Allium ampeloprasum—Continued
 sp., 255582, 257278, 260379, 260380,
 260446, 260447.
 Almond. See *Prunus amygdalus*.
Alocasia sp., 261310, 261367.
Alopecurus arundinaceus, 257665.
 pratensis, 255164, 258741, 258742,
 260243.
Alpinia caerulea, 256433.
 oxymitra, 261071.
 purpurata, 255257.
 rafflesiana, 262349.
 roburghiana, 261072, 261093.
 sanderæ, 260826.
 sp., 261034.
Alsomitra sarcophylla, 262350.
Alsophila australis, 260072, 260091.
Alstonia constricta, 256267.
 Alyceclover. See *Alysicarpus vaginalis*.
Alysicarpus rugosus, 257666.
Alysicarpus vaginalis, 257667.
Amelanchier sanguinea, 260047.
Ammi copticum, 257581.
Ammobium alatum, 256669.
Amomum foetens, 260827.
 gracile, 261073.
 megalochelios, 260828.
Amorphophallus sp., 261002, 261035.
Anadendrum microstachyum, 261074.
Anchomanes hookeri, 261036.
Ancistrachne uncinulata, 257668.
Andira inermis, 256734.
Andropogon dummeri, 258958.
 nodosus, 258375.
 sp., 255230, 258376.
Anemopaegma chrysoleucum, 256493.
Angianthus tomentosus, 256550.
Angophora costata, 256750.
 subvelutina, 256268.
Anquillaria dioica, 256642.
Anigozanthos bicolor, 254929.
 flavida, 255023.
 humilis, 256631.
 manglesii, 254930.
 viridis, 254931.
 Anatto-tree. See *Bixa orellana*.
Anthocercis frondosa, 256643.
 viscosa, 259432.
Anthozanthum odoratum, 255356, 258458.
Anthriscus cerefolium, 261755.
Anthurium × *macrolobium*, 260829.
 harrisii, 261112.
 veitchii, 260182.
Anthyllis vulneraria, 255357, 258445.
Anubias laceolata, 261405, 261429.
Apium graveolens, 261001.
 graveolens var. *rapaceum*, 257227,
 257228, 257279, 261756, 261810.
 Apple, common. See *Malus sylvestris*.
 Apricot. See *Prunus armeniaca*.
Aquilegia sp., 262417.
Arachis benthamii, 261850, 262268,
 262284.
 burkartii, 256851, 261876, 262307.
 diogoi, 261852, 261853, 261877.

Arachis benthamii—Continued

- glabrata*, 261854, 261878, 262270, 262287, 262290, 262294.
 var. *hagenbeckii*, 261855–261866, 261879–261890, 262278, 262279, 262308.
hypogaea, 257545, 257546, 258489–258491, 258937–258942, 259572–259758, 259764–259863, 261891–262129.
 f. *nambyquarae*, 262130.
lutescens, 262131, 262269, 262271–262273, 262289, 262291–262293, 262295.
marginata, 258943, 262132.
martii, 262275, 262300.
pusilla, 262133.
repens, 261867.
tuberosa, 262277, 262302.
villosa, 261868–261872, 262134–262138.
 sp., 261406, 261873–261875, 262139–262145, 262267, 262274, 262276, 262280–262283, 262285–262286, 262288, 262296–262299, 262301, 262303–262306.
 Arborvitae. See *Thuja* spp.*
Arbutus arizonica, 262384.
peninsularis, 262382, 262383.
 sp., 260704.
Archontophoenix alexandrae, 255622.
Arctostaphylos sp., 260705.
Arctotis acaulis, 259431.
Arenga ambong, 261430.
Argania spinosa, 256197.
Aristida ciliata, 255349.
Aristolochia grandiflora, 261003.
 sp., 255510–255513, 255920–255924, 255966, 255967, 256665, 262146, 262147.
Armorica rusticana, 261065.
Arrhenatherum elatius, 255165–255167, 255399–255409, 255466.
erianthum, 254870.
 Artichoke, globe. See *Cynara scolymus*.
Arundina bambusifolia, 260830.
Arundinaria variegata, 261155.
Arundinella nepalensis, 256669–256671.
 Ash. See *Fraxinus* spp.*
Asparagus, fern. See *Asparagus plumosus*.
 garden. See *A. officinalis*.
 Spenger. See *A. sprengeri*.
Asparagus officinalis, 261640, 261641, 262166.
plumosus, 257571.
sprengeri, 255621.
virgatus, 257572.
 sp., 260181.
Asplenium nidus, 260831.
 sp., 260832.
Astartea fascicularis, 256670.
Aster tanacetifolius, 255429.
Asterolasia astericophora, 256551.
Astragalus sinicus, 258377.
Astrebala squarrosa, 257672.
Astroloma pinifolium, 256751.

- Atalantia monophylla*, 258444.
Athrotaxis cupressoides, 261505.
Atriplex paludosa, 256198.
spongiosa, 256199.
vesicaria, 256200.
Atylosia marmorata, 257673, 257674.
Avena abyssinica, 258539–258541.
brevis, 258542–258545.
byzantina, 258546–258585.
 var. *anopla*, 258586–258589.
nuda, 258590–258598.
sativa, 254780–254788, 258599–258638, 259865–259874, 260049, 260616, 260887–260892, 262203–262211, 262396.
 var. *aristata*, 258639–258654.
 var. *brunnea*, 258655–258657.
 var. *flava*, 258658–258660.
 var. *grisea*, 258661–258665.
 var. *montana*, 258666.
 var. *mutica*, 258667–258723.
 var. *obtusata*, 258724–258726.
 var. *segetalis*, 258734.
 var. *vilgensis*, 258735–258738.
strigosa, 258727–258733.
 Avocado. See *Persea americana*.
Babbagia dipterocarpa, 256671.
Backhousia angustifolia, 256672.
citriodora, 260073.
myrtifolia, 260074.
Baeckea behrii, 256673.
camphorosmae, 256674.
densifolia, 260075.
Balaustion microphyllum, 256552.
 Balsam-pear. See *Momordica charantia*.
 Bamboo. See *Dendrocalamus strictus*.
Phyllostachys spp., *Sasa kurilensis*, *Sinarundinaria* spp.
 hemp. See *Dendrocalamus latiflorus*.
 violet. See *Phyllostachys violascens*.
 Banana. See *Musa* spp.
 plantain. See *M. × paradisiaca*.
Banksia ashbyi, 254932, 255024.
burdettii, 255025.
candolleana, 255026.
collina, 256096.
hookeriana, 255027.
integrifolia, 256752.
laricina, 255028.
lindleyana, 254933.
sceptrum, 255029.
speciosa, 255030.
sphaerocarpa, 255031.
 Barberry, Japanese. See *Berberis thunbergii*.
Barklya syringifolia, 256269.
 Barley. See *Hordeum* spp.*
 common. See *H. vulgare*.
 bulbous. See *H. bulbosum*.
 foxtail. See *H. jubatum*.
 six-rowed. See *H. vulgare* var. *nigrum*.
Bassia paradoxa, 256675.
Bauera rubioides, 254745.
sessiliflora, 254746.

- Bauhinia acuminata*, 261311.
coulteri, 260706.
cunninghamii, 256270.
hookeri, 256271.
winitii, 261421.
Bauhinia, snowy. See *Bauhinia acuminata*.
 Bayberry. See *Myrica gale*.
 Bean. See *Phaseolus* spp.*
 common. See *P. vulgaris*.
 lima. See *P. lunatus*.
 mung. See *P. aureus*.
 runner, scarlet. See *P. coccineus*.
Beaufortia elegans, 254946.
 macrostemon, 254947.
 purpurea, 254948.
 squarrosa, 254934.
Bedfordia salicina, 256753.
 Beech. See *Fagus* spp.*
 European. See *F. sylvatica*.
 Beet, common. See *Beta vulgaris*.
 Beggarweed. See *Desmodium* spp.*
Begonia paulensis, 261305.
 prismatocarpa, 260183.
Bellendena montana, 257818.
Berberis linearifolia, 262243.
 thunbergii, 255909.
 trifoliolata, 258354.
Bessera elegans, 262339.
Beta vulgaris, 256052, 256053, 260310-
 260361, 260663-260689, 260763-
 260782, 261124.
 vulgaris var. *cicla*, 257280, 261593,
 261594.
Betula ermanii var. *subcordata*, 256254.
 utilis, 260739.
Beyeria opaca, 256644.
Bidens sp., 262197, 262198.
Billardiera cymosa, 256553, 256676.
 longiflora, 255969, 256201, 260076.
 scandens, 256272.
 Birch. See *Betula utilis*.
Bixa orellana, 255640.
 Blackbox. See *Eucalyptus bicolor*.
 Bladder-senna, Oriental. See *Colutea orientalis*.
Blandfordia flammea, 256436.
Blennodia pterosperma, 256677.
 Bloodlily. See *Haemanthus katherinae*.
 Bluegrass, bulbous. See *Poa bulbosa*.
 Kentucky. See *P. prattensis*.
 roughstalk. See *P. trivialis*.
Boerlagiodendron novo-guineense, 261368.
Boesenbergia pandurata, 260833.
Bolbitis cuspidata, 260003.
 Borage, common. See *Borago officinalis*.
Borago officinalis, 261595, 261596.
Boronia cymosa, 255032.
 denticulata, 254747.
 elatiior, 254748.
 heterophylla, 254749, 254750.
 inornata, 255594.
 latipinna, 255593.
 ledifolia, 255623.
 megastigma, 254949.
Boronia cymosa—Continued
 muelleri, 255624.
 pilosa, 255625.
 pinnata, 254751, 256678.
 purdieana, 254950.
 serrulata, 254752.
 sp., 255626.
Bossiaea foliosa, 257675, 258497.
 heterophylla, 256554.
Bothriochloa decipiens, 257676.
 insculpta, 260252.
 ischaemum, 254869.
 Bottlebrush. See *Callistemon* spp.*
 lemon. See *C. citrinus*.
 showy. See *C. speciosus*.
Bouteloua curtipendula, 255231.
 filiformis, 255233, 255234.
 hirsuta, 255232.
 Box, common. See *Buxus sempervirens*.
 Boxelder. See *Acer negundo*.
Brachiaria brizantha, 255340-255343,
 255346, 257677.
 humidicola, 257678.
 nigropedata, 257679.
 ramosa, 255927.
Brachycome multifida, 254753, 254754,
 255676.
 nivalis, 258498.
 scapigera, 256754.
 sieberi, 256755, 260077.
Brachypodium distachyon, 254867,
 254868, 258392.
 phoenicoides, 257680.
 ramosum, 258393.
 sp., 254973.
Brachysema subcordatum, 260078.
Brassica campestris, 257239, 257241.
 oleracea var. *botrytis*, 257229,
 257230, 257281, 261597-261599.
 oleracea var. *capitata*, 255558-
 255562, 255581, 256253, 257231,
 258960-258965, 261600-261605,
 261642, 261643, 261757, 261758,
 261769-261774.
 oleracea var. *gemmifera*, 261759,
 261775.
 oleracea var. *viridis*, 257232-
 257235.
 pekinensis, 257236-257238.
 rapa, 256054, 256055.
 sp., 257240, 261627, 261628.
Bravoa singuliflora, 261625.
Briza sp., 254871, 254872, 257681.
 Broadbean. See *Vicia faba*.
 Brome, hairy. See *Bromus commutatus*.
 smooth. See *inermis*.
Bromus arduennensis, 258394.
 commutatus, 255358, 260810.
 danthoniae, 254873, 254874.
 inermis, 255870, 255871, 258743-
 258747, 262454-262458.
 japonicus, 254881.
 lanceolatus, 255820.
 mollis, 254875, 254876, 254877.
 rigidus, 254878.
 scoparius, 254882.

Bicus arduennensis—Continued
secalinus, 258466.
squarrosus, 254879, 254880.
willdenowii, 258459.
 Broom. See *Cytisus* spp.*
 Warminster. See *C. × praecox*.
Brownea macrophylla, 260423.
Brunonia australis, 255677, 256202, 256273.
 Brussels sprouts. See *Brassica oleracea* var. *gemnifera*.
 Buckeye. See *Aesculus* spp.*
 Buckwheat. See *Fagopyrum esculentum*.
 Kangra. See *F. tataricum*.
Buddleia crispa var. *farreri*, 262244.
dauidi, 262245.
Bulbine, bulbosa, 258499.
Burchardia sp., 255033.
 Burelover, California. See *Medicago polymorpha* var. *vulgaris*.
 Burningbush, European. See *Euonymus europaeus*.
Bursaria spinosa, 256679.
Bursera odorata, 262199.
 Butterflybush, orange-eye. See *Buddleia dauidi*.
Buxus sempervirens, 255075, 260383, 261848.
 sp., 261849.
Byblis gigantea, 255034.
Bystropogon origanifolius, 259433.
 Cabbage. See *Brassica oleracea* var. *capitata*.
 Chinese. See *B. pekinensis*.
 Cacao. See *Theobroma cacao*.
Cactus harlowii, 255258.
Cajanus cajan, 261299, 261300.
 Cajeput-tree. See *Melaleuca leucadendron*.
Caladenia flava, 256346.
patersonii, 256347.
roei, 256348.
Caladium picturatum, 260834.
Calandrinia balonensis, 257682, 257683.
remota, 257684–257686.
Calathea lietzei, 261369.
picturata, 261370.
trifasciata, 261371.
undulata, 261372.
 sp., 261373, 261374.
Calectasiacyanea, 254951.
Callistemon (hybrid), 259434.
acuminatus, 256203.
brachyandrus, 256204.
citrinus, 255678, 260740.
linearis, 255679, 256205.
macropunctatus, 256645.
pachyphyllus, 255036, 255680, 256274, 256438.
phoeniceus, 254952, 255681.
pinifolius, 255682.
pinifolius var. *viridiflorus*, 253555.
rigidus, 260079.
rugulosus, 256206.
sieberi, 255683, 256680, 256756.
speciosus, 255035.

Callistemon—Continued
teretifolius, 255684, 256207.
 sp., 254993, 256512.
Callitris cupressiformis, 256208, 256275, 260080, 260081.
huegelli, 260082.
oblonga, 260083.
robusta, 256599, 260084.
Calotropis gigantea, 255018
Calothamnus blepharospermus, 254953, 256097.
chrysanthus, 255037.
gilesii, 255685.
homalophyllus, 255038.
longissimus, 255039, 256276.
pachystachyus, 255040.
sanguineus, 254954, 255041.
schaueri, 256646.
validus, 256209.
Calyptochloa gracillima, 257687.
Calythrix angulata, 254935, 255042.
brevifolia, 254955.
depressa, 256556.
flavescens, 255043.
fraseri, 254755, 255044.
strigosa, 255045.
sullivanii, 260085.
tenuifolia, 255043.
tetragona, 256557, 256600, 260086.
 sp., 255047, 256349.
Camassia sp., 256739.
Camelina sativa, 258366, 258367.
 Camellia, common. See *Camellia japonica*.
 Sasanqua. See *C. sasanqua*.
Camellia granthamiana, 255964.
japonica, 261306, 261734–261737.
reticulata, 261738, 261739.
rusticana, 261740–261742.
saluenensis, 261743.
sasanqua, 258358–258361.
tenuifolia, 258362, 258363.
uraku, 261744.
 Candlenut-tree. See *Aleurites moluccana*.
 Candletree. See *Parmentiera cereifera*.
Canna glauca, 261407.
 sp., 261158.
Cannabis sativa, 257282.
Capsicum annum, 257044, 257047–257049, 257052–257055, 257087–257089, 257096–257099, 257102, 257108, 257111, 257114, 257117–257119, 257128, 257144, 257182, 257187, 260448–260456, 260488, 260531, 260611.
cardenasii, 260425.
chacoense, 260426–260433, 260435.
eximium, 260440–260441.
frutescens, 255328–255330, 255563, 255564, 255660, 255661, 256056–256058, 257050, 257051, 257056–257078, 257080–257083, 257091, 257092, 257094, 257100, 257103, 257104, 257121, 257155, 257181, 257283, 257284, 257485, 257501,

Capsicum frutescens—Continued

- 258807, 260458, 296045, 260478—
260481, 260487, 260489, 260490,
260494, 260496, 260497, 260505,
260527, 260529, 260530, 261606,
262172.
microcarpus, 260434, 260533
pendulum, 257122, 257133-257135,
257141, 257143, 257149-257154,
257157, 257159, 257161, 257163,
257168, 257169, 257172-257174,
257177-257180, 257183-257186,
260506, 260457, 260461-260463,
260534-260552, 260554-260556,
260559-260564, 260566-260576,
260578-260593.
praetermissum, 260594-260596.
pubescens, 255988, 257160, 257188—
257215, 260597-260609.
sinense, 257045, 257046, 257084—
257086, 257090, 257101, 257105—
257107, 257109, 257110, 257115,
257116, 257123-257127, 257129,
257131, 257132, 257136-257139,
257140, 257142, 257145-257147,
257156, 257158, 257162, 257165—
257167, 257170, 257171, 257175,
257176, 260464-260477, 260482—
260486, 260491-260493, 260495,
260498-260504, 260507-260526,
260528, 260532, 260557, 260558,
260577, 260610.
sp., 257079, 257093, 257095, 257112,
257113, 257120, 257130, 257148,
260436, 260439, 260460, 260553,
260565, 260612.
Caraway. See *Carum carvi*.
Cardoon. See *Cynara cardunculus*.
Carica candamarcensis, 259135.
microcarpa, 259136.
papaya, 257427.
Carludovica atrovirens, 260835.
latifolia, 261075.
macropoda, 260836.
Carmichaelia aligera, 260087.
williamsii, 256210.
Carpentaria acuminata, 255627.
Carpinus betulus, 261829.
turczaninowii, 256496.
Carrot. See *Daucus carota*.
Carthamus dentatus, 254974, 254975.
glaucus, 262313.
lanatus, 255637, 255821.
nitidus, 262504-262508.
oxyacantha, 254883, 254884, 255822,
255823.
palaestinus, 262509-262513.
tinctorius, 254717, 254976, 255576—
255579, 257291, 257582, 258409—
258422, 259989-259998, 260617—
260638, 262418-262425, 262426—
262453, 262514.
sp., 254718, 254977-254990.
Carum carvi, 262171.
Cassia bark-tree. See *Cinnamomum*
cassia.
Cassia bicapsularis, 255686.
circinnata, 256558.
desolata, 256277, 256439.
eremophila, 255048, 257688.
grandis, 256735.
marksiana, 256440.
sturtii, 255049.
surattensis, 261312.
sp., 260707.
Cassinia aculeata, 256681.
fulvida, 261830.
Castorbean. See *Ricinus communis*.
Casuarina distyla, 256601, 256647.
equisetifolia, 256757.
stricta, 255687, 255688.
torulosa, 256758.
Catesbaea sp., 256736.
Catjang-pea. See *Vigna cyclindrica*.
Cauliflower. See *Brassica oleracea* var.
botrytis.
Ceanothus, (hybrids), 262246, 262249.
× *delilianus*, 262247, 262248.
× *pallidus*, 262250, 262251.
Cedar, Cyprian. See *Cedrus brevifolia*.
deodar, See *C. deodara*.
Cedrus brevifolia, 261482.
deodara, 261483.
Celeriac. See *Apium graveolens* var.
rapaceum.
Celery. See *Apium graveolens*.
Celmisia longifolia, 258500.
Celtis caucasica, 260881.
labilis, 259462.
sp., 260882.
Cenchrus ciliaris, 255237, 257541.
echinatus, 257689.
Centrosema plumieri, 260232.
pubescens, 258378, 260233.
Centaurea sp., 255639.
Ceratopetalum gummiferum, 256278,
260088.
Cestrum purpureum, 261037.
Chaenomeles lagenaria, 257659, 257660.
× *superba*, 261831-261834.
Chaerophyllum sp., 262167.
Chailletia cymosa, 257470.
Chamaescilla corymbosa, 256350.
Chamaecyparis lawsoniana, 261506—
261515.
lawsoniana f. *albo spica*, 261516.
lawsoniana f. *erecta*, 261517-261526.
lawsoniana f. *filiformis*, 261527.
lawsoniana f. *lutea*, 261528.
nootkatensis, 261529.
obtusa, 261530-261541.
obtusa f. *crippsi*, 261542.
pisifera, 261543.
obtusa f. *plumosa*, 261544.
obtusa f. *squarrosa*, 261545.
Chaste-tree, lilac. See *Vitex agnus-*
castus.
Chenopodium amaranticolor, 262168.
Cherry, duke. See *Prunus effusa*.
higan. See *P. subhirtella*.
hollyleaf. See *P. ilicifolia*.
mame. See *P. incisa*.

- Cherry—Continued
 mountain. See *P. prostrata*.
 ornamental, wild. See *P. serrulata*
 var. *spontanea*.
 Sargent. See *P. sargentii*.
 sour. See *P. cerasus*.
 sweet. See *P. avium*.
- Chervil. See *Anthriscus cerefolium*.
- Chess. See *Bromus secalinus*.
 soft. See *B. mollis*.
- Chickpea. See *Cicer arietinum*.
- Chicory. See *Cichorium intybus*.
- Chionachne cyathopoda*, 257690, 257691.
- Chive. See *Allium schoenoprasum*.
- Chloris gayana*, 255350, 255351.
ventricosa, 257692.
- Chlorophyllum orchidastrum*, 261094.
- Chorizema cordatum*, 256211.
dicksonii, 256559.
ilicifolia, 256212.
- Chrysanthemum* (hybrids), 258847,
 258848, 259547, 259548.
arcticum, 261066.
thunbergii, 256915, 256916.
- Chrysopogon gryllus*, 254885, 254887.
 sp., 254886, 254888.
- Chusquea culeou*, 259129.
- Cicer arietinum*, 254889, 255138, 257583–
 257586, 256059, 256060.
- Cichorium endivia*, 257242, 261607.
intybus, 261776, 261777, 255565–
 255567.
- Cienfuegosia hildebrandtii*, 261577.
- Cinnamomum burmannii*, 260089.
cassia, 255965.
 sp., 256185.
- Cinquefoil. See *Potentilla* spp.*
 shrubby. See *P. fruticosa*.
- Citron. See *Citrus medica*.
- Citrullus lanatus*, 254716, 254735–
 254744, 255136, 255137, 255139,
 255662, 260733.
- Citrus* (hybrids), 255723–255726,
 257815–257817.
assamensis, 254721.
aurantifolia, 260735, 261069.
aurantium, 254720.
crenatifolia, 258492.
depressa, 260376.
grandis, 254722, 254723, 259957,
 260375, 260736.
hystrix, 255195, 258468.
jambhiri, 254724, 254725.
karna, 254726.
latipes, 254727, 254728.
limon, 254729, 254730.
macroptera, 254731.
medica, 262345.
reticulata, 254732, 254779, 256381,
 259958, 259959, 260063–260065,
 260737, 262346.
sinensis, 254733, 259960, 259961,
 260738, 262347, 262348.
 sp., 258950, 259478, 259479,
 259962, 261289, 261399, 261825.
- Clematis*, anemone. See *Clematis*
montana.
 Armand. See *C. armandii*.
 Italian. See *C. viticella*.
 plume. See *C. flammula*.
- Clematis* (hybrids), 261253–261264,
 261344–261364.
aristata, 255050.
armandii, 261238, 261546.
calycina, 261239.
cirrhusa, 261241.
chrysocoma, 261240, 261547.
flammula, 261242, 261243.
florida f. *sieboldii*, 261244, 261548.
glycinoides, 256279.
jouiniana, 261245.
macropetata, 261549.
microphylla, 255689.
montana, 261246.
napalensis, 261247.
rehderiana, 261248.
vedrariensis var. *rosea*, 261249.
viticella, 261250–261252.
- Cleome* sp., 255638.
- Clethra* sp., 260708.
- Clitoria ternatea*, 258379.
- Clover. See *Trifolium* spp.*
 alsike. See *T. hybridum*.
 berseem. See *T. alexandrinum*.
 cluster. See *T. glomeratum*.
 crimson. See *T. incarnatum*.
 hop, large. See *T. campestre*.
 Kura. See *T. ambiguum*.
 lappa. See *T. lappaceum*.
 Persian. See *T. resupinatum*.
 rabbitfoot. See *T. arvense*.
 red. See *T. pratense*.
 rose. See *T. hirtum*.
 strawberry. See *T. fragiferum*.
 striate. See *T. striatum*.
 white. See *T. repens*.
 zigzag. See *T. medium*.
- Coccothrinax fragrans*, 255259.
- Cochlostema jacobianum*, 259128.
- Cochlospermum fraseri*, 256441.
- Codonocarpus cotinifolius*, 256098.
- Coffea arabica*, 255659, 260643, 260644,
 260645, 261455–261462.
canephora, 261463, 261464.
mauritiana, 260751.
- Coffee. See *Coffea mauritiana*.
 Arabian. See *C. arabica*.
 Robusta. See *C. canephora*.
- Colutea orientalis*, 261835.
- Commersonia* sp., 255051.
- Compholobium uncinatum*, 256568.
virgatum, 256569.
- Conospermum crassinervium*, 254956.
glumaceum, 254957.
incurvum, 255052, 256560.
 sp., 256352.
- Coprosma nitida*, 257819.
 sp., 259435.
- Coral tree. See *Erythrina vespertilio*.
- Corchorus* sp., 261302.

- Cordyline youngii*, 261376.
sp., 261375.
- Coriander. See *Coriandrum sativum*.
- Coriandrum sativum*, 256061, 256062.
- Coriaria, Sikkim. See *Coriaria terminalis*.
- Coriaria terminalis*, 262252.
- Corn. See *Zea mays*.
- Cornelian-cherry. See *Cornus mas*.
- Cornsalad. See *Valerianella olitoria*.
- Cornus alba*, 261836, 262253.
 florida var. *urbiniana*, 256505.
 mas, 256497.
 paucinervis, 259461.
 walteri, 261268.
sp., 260709.
- Coronilla cappadocica*, 255359, 257518.
 coronata, 257519.
 emerus, 257520.
 glauca, 257521.
 juncea, 257522.
 minima, 257523.
 scorpioides, 257524.
 varia, 257525.
- Coronilla, honey. See *Coronilla glauca*.
- Correa aemula*, 256648.
 bauerlenii, 255628.
 decumbens, 254756.
 minor, 259436.
 speciosa, 255629, 260090.
 turnbullii, 254757, 256513, 256514.
- Corylus avellana*, 261837.
- Costus verschaffeltianus*, 260837.
sp., 261076.
- Cotoneaster conspicua*, 262254.
 microphylla, 261838.
 racemiflora var. *nummularia*, 256498.
 × *walteri*, 261183.
- Cotton. See *Gossypium* spp.*
- Sea-island. See *G. barbadense*.
- tree, Asiatic. See *G. arboreum*.
- Cowpea, common. See *Vigna sinensis*.
- yardlong. See *V. sesquipedalis*.
- Crabapple. See *Malus* (hybrids).
 pearleaf. See *M. prunifolia*.
- Craspedia richia*, 256280, 256281.
 uniflora, 256759, 258501.
- Crassula* (hybrids), 259939–259941.
 acutifolia, 259897.
 andegouensis, 259473.
 anomala, 259898, 259899.
 bakeri, 259900, 259901.
 brevifolia, 259902.
 cephalophora, 259903.
 dasyphylla, 259904.
 deceptrix, 259905, 259906.
 deltoidea, 259907.
 dubia, 259908–259912.
 grisea, 259913.
 heterotricha, 259914.
 hystrix, 259915.
 lycopodioides, 259916–259920.
 namaquensis, 259921, 259922.
 nudicaulis, 259923.
 obvallata, 259924.
- Crassula*—Continued
 pachystemon, 259925.
 perfossa, 259926, 259927.
 radicans, 259928.
 rubella, 259929, 259930.
 rupestris, 259931–259933.
 sericea, 259934, 259935.
 subaphylla, 259936.
 tetragona, 259937.
 tomentosa, 259938.
sp., 259942–259948.
- Crataegus azarolus*, 256252, 261125, 261126.
 monogyna, 261839.
- Crapemyrtle, common. See *Lagerstroemia indica*.
- Queen. See *L. speciosa*.
- Cress, water. See *Nasturtium officinale*.
- Crococsmia masonorum*, 262340.
- Crocus clusii*, 261307.
- Crotalaria astragalina*, 257694.
 cunninghamii, 257695.
 trifoliatrum, 257696.
 verrucosa, 257697.
sp., 262399, 262400.
- Crocea exaltata*, 254758.
- Crownvetch. See *Coronilla varia*.
- Cryptomeria, common. See *Cryptomeria japonica*.
- Cryptomeria japonica*, 261550–261553.
- Cucumber. See *Cucumis sativus*.
- Cucumis melo*, 254695, 254715, 255478, 255479, 255946, 255947, 257285, 257493, 257502, 258353, 260649–260651, 261127, 261644, 261750–261752, 261760, 261778, 261779, 262169.
 melo var. *cantalupensis*, 255948.
 melo var. *flexuosus*, 255663, 262170.
 melo var. *inodorus*, 255949.
 melo var. *reticulatus*, 255950–255953.
 sativus, 255933–255938, 257286, 257486, 257487, 257494, 261608, 261609, 261645.
- Cucurbita* (hybrid), 255941.
 digitata, 254925.
 maxima, 257287, 260652, 261780.
 moschata, 255345, 255954, 257532.
 pepo, 256063, 256064, 260653, 261610.
sp., 254926.
- Cushaw. See *Cucurbita moschata*.
- Culcasia mannii*, 261377.
- Cupressus cashmeriana*, 261555.
 lusitanica, 261554.
- Cyamopsis tetragonoloba*, 255928, 262149–262158.
- Cyanastrum bussei*, 261313.
 cordifolium, 261314.
- Cycas media*, 256282.
- Cyclanthus bipartitus*, 260838.
 cristata, 260839.
- Cydonia oblonga*, 256540–256542.
- Cymbopogon bombycinus*, 257698, 257699.
 exaltatus, 257700–257704.
 obtectus, 257705.

- Cymbopogon bombycinus*—Continued
procerus, 257706.
refractus, 257707.
- Cynara cardunculus*, 261611, 261612.
scolymus, 255987, 257472, 260204.
 sp., 260205.
- Cynodon dactylon*, 254890–254892,
 255440–255454, 258460, 258846.
plectostachyum, 255455–255457.
transvaalensis, 258949.
- Cyperus alternifolius*, 262352.
- Cyphomandra betacea*, 258463.
- Cypress. See *Cupressus cashmeriana*.
 Portuguese. See *C. lusitanica*.
- Cyrto sperma hastatum*, 261408.
johnstonii, 261411.
lasiodes, 261409, 261431.
merkusii, 255439, 261410, 261432.
- Cyrtostachys lakka*, 261095.
renda, 256800, 260840.
 sp., 260841, 261038.
- Cytisus dallimorei*, 261176.
hirsutus, 261177.
 × *praecox*, 259141, 259142, 259896.
 sp., 261184.
- Dacrydium cupressinum*, 261308, 261309.
- Dactylis glomerata*, 254992, 255168,
 255169, 255410–255415, 255467,
 255872, 255873, 257268, 260244,
 262459–262461.
glomerata var. *hispanica*, 254991.
- Dahlia* sp., 262385, 262386.
- Dahoon. See *Ilex cassine*.
- Daisytree. See *Olearia* spp.*
- Dalea carnes cense*, 262401.
 sp., 262402.
- Dampiera eriocephala*, 255053.
hederacea, 254759.
- Daucus carota*, 256065, 256066, 261613,
 261614, 261646–261650, 261781–
 261783.
- Davallia hymenophylloides*, 261012.
- Daviesia brevifolia*, 255690.
cordata, 256561.
- Decaisnea fargesii*, 261215.
- Dendrocalamus latiflorus*, 258357.
strictus, 254923, 261440.
- Denhamia pittosporoides*, 256442.
- Derris dalbergioides*, 255260.
- Desmodium angustifolium*, 257708.
biarticulatum, 257709.
discolor, 257710.
gangeticum, 257711.
intortum, 258380.
polycarpum, 257712.
- Dianella tasmanica*, 258502.
- Dichanthium aristatum*, 257713.
fecundum, 257714.
- Dichopogon strictus*, 256515, 260092.
- Digitaria argyrograpta*, 257715.
decumbens, 257539.
eriantha, 258430.
gazensis, 258431.
ischaemum, 260640.
milanjiana, 258432, 258433.
pentzii, 257540.
- Digitaria argyrograpta*—Continued
polevansii, 258434.
sanguinalis, 260639.
smutsii, 255352, 255353, 258435–
 258441.
valida, 257716, 258442, 258443.
 sp., 256043, 260641.
- Digitalis lanata*, 262195.
- Dillensia* sp., 261433.
- Dillwynia ericifolia*, 256283.
- Dioclea* sp., 256597.
- Dioscorea bulbifera*, 260691.
caucasica, 255360.
floribunda, 256742.
deltoides, 262328.
spiculiflora, 256743, 256744.
 sp., 256745, 256746.
- Dipladenia amoena*, 255261.
- Diplolaena dampieri*, 255054.
- Dipteris conjugata*, 261004.
- Disa uniflora*, 260696.
 sp., 256954, 256955.
- Diuris longifolia*, 256353.
selacea, 256354.
- Dodonaea adenophora*, 255055.
bursarifolia, 256534.
hexandra, 256602.
humilis, 256535.
megazyga, 256443.
microzyga, 255056.
- Dogwood. See *Cornus* spp.*
 littleleaf, common. See *C. pau-*
cinervis.
- Tatarian. See *C. alba*.
- Donax caniniformis*, 261039.
- Dorstenia argentea*, 260731.
 sp., 261077.
- Doryanthes excelsa*, 256760.
- Dorycnium rectum*, 258395.
- Dracaena* (hybrid), 260842.
- Dracophyllum secundum*, 260093.
- Dropseed. See *Sporobolus* spp.*
 whorled. See *S. pyramidalis*.
- Drosera auriculata*, 256649.
 sp., 255057.
- Dryandra carlinoides*, 255058.
praemorsa, 255059.
speciosa, 255060.
- Dryanaria ridgula*, 261006, 261007.
sparsisora, 262353.
 sp., 261005.
- Dudleya* sp., 261588.
- Echeveria* sp., 261288.
- Echinochloa pyramidalis*, 256044–256046.
- Echinodorus* sp., 261412.
- Echinopogon nutans*, 257717.
- Ectrosia leporina*, 257718, 257719.
schultzii, 257720.
- Eggplant. See *Solanum melongena*.
- Ehretia anacua*, 255076.
- Elaeocarpus cyaneus*, 256284, 260094.
- Elatostema repens*, 261078.
vittatum, 261079.
 sp., 261080, 261081.
- Elder, European. See *Sambucus nigra*.
- Elettaria atropurpurea*, 260843.

Eleusine coracana, 257587, 260253.

Elm. See *Ulmus* spp.*

Dutch. See *U. hollandica*.

Emmer. See *Triticum dicoccum*.

Enchylaena tomentosa, 255691.

Endive. See *Cichorium endivia*.

Enkianthus campanulatus, 256255.

Enneapogon glaber, 257721.

gracilis, 257722.

Enteropogon macrostachyus, 257723.

Epacris impressa, 254994, 255692, 255693.

longiflora, 254760.

obtusifolia, 256444.

paludosa, 258503.

Epipremnum ceramense, 261413.

mampuanum, 261414.

Equisetum sp., 261589.

Eragrostis intermedia, 262416.

megalosperma, 257724.

Eremaea acutifolia, 256764.

beaufortoides, 254958, 255694.

ebracteata, 254959, 255695.

pauciflora, 254960.

violacea, 254961, 255061.

sp., 255062.

Eremophila alternifolia, 259437.

glabra, 256682.

glabra var. *viridiflora*, 256683.

latrobei, 256445.

longifolia, 256213, 256446.

maculata, 256285, 256650, 256684.

polyclada, 259438.

Eremopoa persica, 254910.

Eriachne armittii, 257725.

burkittii, 257726.

ciliata, 257727, 257728.

glauca, 257729.

helmsii, 257730.

laidlawii, 257731.

obtusata, 257732.

pallenscens, 257733.

schultziana, 257734.

Erianthus sp., 259895.

Erica mammosa, 261113.

Eriochloa crebra, 257735.

Eriostemon gracile, 256651, 256652.

myoporoides, 260095.

obovatis, 254761, 256653.

Eruca sativa, 255664, 256802, 261629.

Eryngium rostratum, 256562.

Erythrina vespertilio, 256286, 257736.

sp., 261159.

Erythrophloeum chlorostachys, 257737, 257738.

Eucalyptus, hilltop. See *Eucalyptus alpina*.

Eucalyptus (hybrids), 254995, 256105, 256222.

alpina, 256099, 256214.

angulosa, 255696.

baxteri, 255697.

bicolor, 254996.

burracoppiensis, 255063.

blorsomei, 256563.

calophylla, 256564.

Eucalyptus—Continued

calycogona, 256215.

campaspe, 255064.

citriodora, 260741.

codonocarpa, 255643.

concinna, 256685.

dives, 255644.

drepanophylla, 256686.

eremophila, 256100.

erythronema, 256101.

eudesmioides, 256565.

eximia, 255645.

fasciculosa, 256516.

forrestiana, 255065, 256102.

gillii, 256687.

gracilis, 256216.

incrassata, 256217.

laevopinea, 255646.

leucoxylon var. *macrocarpa*, 256218.

longifolia, 255647.

macrocarpa, 254997.

marginata, 255066.

microtheca, 256447.

niphophila, 254998, 256761.

obtusiflora, 256566.

orbifolia, 254936.

perriniana, 256762.

phaeotricha, 256448.

pilligaensis, 256688.

platypus, 256103.

platypus var. *heterophylla*, 256689.

pyriformis, 254937, 256567.

radiata, 256219.

regnans, 255067, 255698.

scoparia, 255648.

smithii, 255649.

staigeriana, 256287.

stricta, 254999.

tetraptera, 256104.

torquata, 256220.

transcontinentalis, 256690.

triantha, 256221.

viridis, 255650.

woodwardii, 255068.

Eucarya spicata, 256223.

Eucomis undulata, 262344.

Eugeissona triste, 260844.

Eugenia francisii, 256691.

Euonymus europaeus 256245.

sp., 256333.

Euphorbia leucocephala, 255262.

pulcherrima, 262191.

xylophiloides, 261067.

Euphoria sp., 259465.

Euphrasia collina, 256763.

glacialis, 258504.

speciosa, 258505.

Eurycles sylvestris, 262354.

Eustrephus latifolius, 256692.

Eutaxia microphylla, 256693, 260096.

Exocarpus cupressiformis, 256765.

Fagopyrum esculentum, 255253.

tataricum, 255254—255256.

Fagus orientalis, 256506.

sylvatica, 261185—261197, 262320.

Falsebeech. See *Nothofagus gunnii*.

- Falsebrome. See *Brachypodium* spp.*
 purple. See *B. distachyon*.
- Falsecypress. See *Chamaecyparis* spp.*
 Hinoki. See *C. obtusa*.
 Lawson. See *C. lawsoniana*.
 Nootka. See *C. nootkatensis*.
- Feathertop. See *Pennisetum villosum*.
- Fenugreek. See *Trigonella foenum-graecum*.
- Fescue. See *Festuca* spp.*
 hair. See *F. capillata*.
 great. See *F. gigantea*.
 meadow. See *F. elatior*.
 red. See *F. rubra*.
 tall. See *F. arundinacea*.
- Festuca arundinacea*, 255416, 255874, 255875, 257742, 261029.
capillata, 255361.
elatior, 255170, 255417-255420, 255468, 255876-255878, 257269, 257739, 258748, 258749, 262462-262466.
gigantea, 255362.
ovina, 257740, 257741.
rubra, 255171, 255421-255428, 255469, 255879, 255880.
spectabilis, 255363.
- Ficus* *baileyana*, 256694.
conora, 262355.
garciniaefolia, 260748.
kellermanii, 262188.
mysorensis var. *pubescens*, 260747.
opposita, 256449.
platypoda, 256288.
preussii, 262356.
 sp., 255828.
- Fig. See *Ficus* spp.*
- Filbert. See *Corylus avellana*.
- Fir, white. See *Abies concolor*.
- Flannelflower. See *Actinotus helianthi*.
- Flax. See *Linum* spp.*
 common. See *L. usitatissimum*.
- Flindersia brayleyana*, 255630.
xanthoxyla, 255631.
- Flower-of-an-hour. See *Hibiscus trionum*.
- Fokienia hodginsii*, 261198.
- Forsythia suspensa*, 262255.
- Forsythia*, weeping. See *Forsythia suspensa*.
- Foxtail, meadow. See *Alopecurus pratensis*.
- Fragaria* (hybrids), 255226, 255227, 255228, 255229, 255313-255316, 255587, 256543-256545.
chiloensis, 256247.
grandiflora, 255218.
mexicana, 255219.
moschata, 260048.
nilgerrensis, 255220.
nipponica, 255221.
vesca, 255222, 255729-255733.
vesca var. *semperflorens*, 255223.
viridis, 255224.
 sp., 255225.
- Fraxinus* (hybrid), 258355.
excelsior f. *diversifolia*, 255994.
oxycarpa, 255995.
spæthiana, 260721.
- Garlic. See *Allium sativum*.
- Gastrochilus angustifolia*, 262351.
pandurata, 262357.
- Gaultheria hispida*, 255970, 257820.
- Geleznovia calycina*, 255069, 255634.
- Geijera muelleri*, 255632.
parviflora, 255633.
- Geitonoplesium cymosum*, 256695.
- Gibasis karwinskyana*, 260716.
- Ginseng, American. See *Panax pseudoginseng*.
- Glochidion ferdinandii*, 260097.
- Gloxinia maculata*, 262341.
- Glyeria* sp., 254893.
- Glycine clandestina*, 255745.
javanica, 255747, 258381, 259544-259546, 260234-260239, 260254.
max, 255734, 256376, 257428-257439, 257440, 258383-258387, 259537-259543, 261271, 261272, 261466-261475, 262180-262181.
schliebenii, 255748.
- Goldenrain-tree, panicle. See *Koeleria paniculata*.
- Gomphocarpus* sp., 259134.
- Gomphrena canescens*, 256450.
flaccida, 256451.
- Goodia pubescens*, 256289.
- Gossypium* (hybrid), 255574, 255575, 256011-256015, 256428, 257017, 260700, 260701, 260734.
arborescens, 256009, 256010.
barbadense, 260255.
brasiliense, 257043.
incanum, 261578.
sturtianum, 256240.
 sp., 257018.
- Gourd, calabash. See *Lagenaria leucantha*.
- Gramma, hairy. See *Bouteloua hirsuta*.
 sideoats. See *B. curtipendula*.
 slender. See *B. filiformis*.
- Grammatophyllum speciosum*, 260845.
- Grape. See *Vitis* spp.*
 Amur. See *V. amurensis*.
 brier. See *V. davidii*.
 European. See *V. vinifera*.
 gloryvine. See *V. coignetiae*.
- Grass, bermuda. See *Cynodon dactylon*.
 buffel. See *Cenchrus ciliaris*.
 canary, reed. See *Phalaris arundinacea*.
 large. See *P. aquatica*.
 crab. See *Digitaria* spp.*
 hairy. See *D. sanguinalis*.
 smooth. See *D. ischaemum*.
 cup. See *Eriochloa crebra*.
 goat. See *Aegilops* spp.*
 jointed. See *A. cylindrica*.
 guinea. See *Panicum maximum*.
 Johnson. See *Sorghum halepense*.

Grass—Continued

- Kamerun. See *Sorghum arundinaceum*.
 kikuyu. See *Pennisetum clandestinum*.
 love. See *Eragrostis megalosperma*.
 plains. See *E. intermedia*.
 meadow, fowl. See *Poa palustris*.
 napier. See *Pennisetum purpureum*.
 natal. See *Tricholaena repens*.
 oat, tall. See *Arrhenatherum elatius*.
 orchard. See *Dactylis glomerata*.
 panic, green. See *Panicum maximum* var. *trichoglume*.
 quack. See *Agropyron repens*.
 rescue. See *Bromus willdenowii*.
 Rhodes. See *Chloris gayana*.
 rice. See *Oryzopsis holciformis*.
 rye. See *Lolium* spp.*
 Italian. See *L. multiflorum*.
 perennial. See *L. perenne*.
 Wimmera. See *L. rigidum*.
 signal, palisade. See *Brachiaria brizantha*.
 silver. See *Miscanthus* spp.*
 Chinese. See *M. sinensis*.
 Japanese. See *M. japonicus*.
 star. See *Cynodon plectostachyum*.
 Sudan. See *Sorghum sudanense*.
 black. See *S. versicolor*.
 tussock. See *Poa flabellata*.
 vernal, sweet. See *Anthoxanthum odoratum*.
 wheat. See *Agropyron* spp.*
 crested. See *A. cristatum*.
Grevillea (hybrids), 254765, 254766, 254767.
asprenifolia, 255699.
banksii, 256290.
barklyana, 254762.
candicans, 254962.
chrysodendrum, 256452.
crithmifolia, 256570.
endlicheriana, 255070.
floribunda, 256766.
heliosperma, 256453.
hilliana, 260098.
ilicifolia, 255700.
juniperina, 254763, 260099.
linearis, 254764.
mimosoides, 256454.
oleoides var. *dimorpha*, 255701, 260100.
petrophiloides, 255072.
pritzelii, 255702.
punicea, 256571.
ramosissima, 256572.
rosmarinifolia, 260101.
steiglitziana, 256654.
synaphae, 256573.
triternata, 256767.
 sp., 254938, 255000, 255071.
Gronophyllum oxypetalum, 260846.
 Guar. See *Cyamopsis tetragonoloba*.
Guizotia abyssinica, 257588.

- Gum tree. See *Eucalyptus* spp.*
 Port Gregory. See *E. calophylla*.
Gymnostachyum ceylanicum, 262358.
 Hackberry. See *Celtis* spp.*
Haemanthus katherinae, 262342.
Hakea amplexicaulis, 255079.
 arborescens, 256455.
 bucculenta, 255080.
 corymbosa, 256527.
 cycloptera, 256696.
 dactyloides, 256291.
 elliptica, 255081.
 gibbosa, 255703.
 incrassata, 255082.
 lasiantha, 255083.
 lissocarpa, 256655.
 megalosperma, 255084.
 muelleriana, 256603.
 multilineata, 256106, 256574.
 nodosa, 255704.
 platysperma, 254939.
 pugioniformis, 256224.
 purpurea, 256656.
 recurva, 255085.
 ruscifolia, 256657.
 sp., 256768.
Hamamelis × *intermedia*, 261840.
 japonica, 256507.
 Hardyorange. See *Poncirus trifoliata*.
Hauya elegans, 260710.
Haworthia attenuata, 260280.
 cooperi, 260281.
 laevirens, 260282.
 margaritifera, 260283.
 radula, 260284.
 rigida, 260285.
 sp., 260286, 260287.
 Hawthorn. See *Crataegus azarolus*.
 English. See *C. oxyacantha*.
Haynaldia hordeacea, 257743.
 villosa, 257744.
Hebe pinguifolia, 261841.
Hedeoma floribunda, 255325.
Helianthus annuus, 256334, 256335, 257640–257643, 262515–262521.
Helichrysum adenophorum var. *waddallae*, 258506.
 apiculatum, 256536.
 bracteatum, 255705.
 diosmaefolium, 256575.
 lawrencella, 254963.
 roseum, 254964.
 secundiflorum, 258507.
 semipapposum, 258508.
 stirlingii, 256770.
 thyrsoides, 258509.
 sp., 256771.
Helipterum incanum, 256772.
 incanum var. *alpinum*, 258510.
 manglesii, 256355.
 roseum, 256697.
 splendidum, 254965.
 sp. 256356–256359.
Hemigenia sp., 255086, 255087.

- Hemigraphis angustifolia*, 261008.
bicolor, 261009.
repanda, 216010, 262359.
Hemp. See *Cannabis sativa*.
Henna. See *Lawsonia inermis*.
Heterodendrum oleaeifolium, 256225.
Heterospathes salomonensis, 260847.
Hevea (hybrids), 259200-259415.
benthamiana, 259184.
brasiliensis, 259185-259288, 260206.
sp., 259289.
Hibbertia lasiopus, 254966.
miniata, 254967.
montana, 256576.
stricta, 256537.
Hibiscus (hybrid), 260179, 260180.
acetocella, 260164.
cannabinus, 256035-256037, 257496,
258739, 259162, 259163, 259176,
259418, 260165, 260995.
cisplatinus, 259419.
coccineus, 259420.
diversifolius, 259173, 259421.
eetveldeanus, 260997.
esculentus, 256067, 256068, 259422,
260166.
gossypinus, 259423.
hamabo, 260167.
heterophyllus, 256292, 259955.
huegelli var. *urayae*, 254968, 254969.
kitaibelifolius, 260796.
ludwigii, 259174.
manihot, 256577, 260168.
manihot var. *dissecta*, 260169.
marmoratus, 259424.
micranthus, 260170.
moscheutos, 259425.
mutabilis, 255926, 259426.
panduraeformis, 256456.
paramutabilis, 259427.
pedunculatus, 259175, 260171.
pungens, 256985, 258423.
radiatus, 256293.
rostellatus, 260998.
sabdariffa, 256038-256041, 258428,
260172.
solandra, 259428, 260173.
splendens, 256294.
surattensis, 258429, 260999.
syriacus, 259143-259145, 259429,
259474-259476.
trionum, 259430, 260174.
sp., 255135, 258740, 260175, 260176,
260177, 260178, 261303.
Hierochloa redolens, 257745.
Hitcheniopsis kunstleri, 261378, 262380.
Holly. See *Ilex* spp.*
Chinese. See *I. cornuta*.
coral. See *I. corallina*.
English. See *I. aquifolium*.
Himalaya. See *I. diphyrena*.
Holochlamys sp., 261379.
Holostylis reinformis, 256666.
Homalomena humilis, 261380.
polyandra, 261381.
rubra, 261382.
- Homalomena humilis*—Continued
sulcata, 261383.
wallisi, 261384.
sp., 261082.
Hop, common. See *Humulus lupulus*.
Hordeum (hybrid), 255152.
bulbosum, 255151.
chilense, 255751-255753, 255754.
halophilum, 255153.
hexaploidium, 255154.
jubatum, 255155.
lechleri, 255156, 255157.
murinum, 255142, 255158.
muticum, 255159.
parodii, 255160.
spontaneum, 254894.
stebbinsii, 255161.
stenostachys, 255162, 255163.
vulgare, 254789-254805, 255824,
259875-259878, 260256-260264,
260893, 260894, 262182, 262212-
262221, 262397-262398.
vulgare var. *nigrum*, 260265, 260266.
vulgare var. *pallidum*, 262554-
262560.
sp., 254895, 256336, 256596.
Hornbeam. See *Carpinus turczaninowii*.
European. See *C. betulus*.
Horsechestnut, Japanese. See *Aesculus*
turbinata.
Horseradish. See *Armoracia rusticana*.
Horsetail-tree. See *Casuarina equiseti-*
folia.
Houseleek. See *Sempervivum* spp.*
Hoeva acutifolia, 256457.
elliptica, 260102.
longifolia, 260103.
pungens, 256226.
trisperma, 256578.
sp., 256773, 258511, 258512.
Hovillia trilocularis, 256698.
Hoya imbricata, 257019.
sp., 260848, 261415.
Humulus lupulus, 255973.
Hydrangea, house. See *Hydrangea*
macrophylla.
Hydrangea (hybrid), 261292.
heteromalla, 261842.
macrophylla, 261843.
Hydrangea-vine, Chinese. See *Schizo-*
phragma integrifolium.
Hydriastele rostrata, 261118.
Hymenocallis sonorensis, 260699.
Hypocalymma robustum, 254970.
Ichnananthus majusculus, 257746.
muelleri, 257747.
pauciflorus, 257748.
Ilex aquifolium, 255344, 261224-261228,
261441.
cassine, 261229.
corallina, 261230.
cornuta, 260749.
crenata var. *paludosa*, 260385,
260386.
diphyrena, 261231.
dubia var. *macrospoda*, 260387.

- Ilex aquifolium*—Continued
fargesii, 261232, 261233.
hookeri, 261234.
leucoclada, 260388.
melanotricha, 261216, 261235.
sugeroi, 260389, 261745.
yunnanensis, 261236.
 sp., 261237.
- Imperata* sp., 254896.
- Indigo. See *Indigofera* spp.*
Potanin. See *I. potaninii*.
 true. See *I. tinctoria*.
- Indigofera arrecta*, 257749.
australis, 255706, 255707.
brachyodon, 257750.
brevidens, 256699.
colutea, 257751.
neglecta, 257752.
potaninii, 262256.
pratensis, 256458.
saxicola, 257753.
tinctoria, 260642.
 sp., 255235, 262403.
- Ionidium floribundum*, 256604.
- Ipomoea batatas*, 259164, 259165,
 259480–259490, 260613, 260820.
purpurea, 256924.
reptans, 255312.
 sp., 255308, 256730, 262387.
- Ironweed, kinkaoil. See *Vernonia anthelmintica*.
- Ischaemum arundinaceum*, 257754.
australe var. *villosum*, 257755.
rugosum, 257756.
 sp., 261812.
- Iseilema fragile*, 257757–257759.
macrathera, 257760.
vaginiflora, 257761, 257762.
- Isopegon ceratophyllus*, 256700.
dawsonii, 256774.
divergens, 255088, 256579.
heterophyllus, 255089.
latifolius, 255090, 256295.
 sp., 255001, 256775.
- Isotoma petraea*, 256701.
- Ixora amoena*, 260849.
chinensis, 260850.
fulgens, 261083.
stricta, 260851.
timorensis, 256459.
- Ixora*, Chinese. See *Ixora chinensis*.
- Jacobinia magnifica*, 261011.
- Jasmine. See *Jasminum* spp.*
Jasminum angulare, 261199.
floridum, 261200.
humile var. *glabrum*, 261201.
humile var. *revolutum*, 261202.
parkeri, 261203.
rex, 261160.
- Juglans regia*, 256003, 256972.
- Juniper, Chinese. See *Juniperus chinensis*.
 Himalayan. See *J. recurva*.
- Juniperus chinensis*, 258945, 261484,
 261485.
- Juniperus*—Continued
recurva, 261486.
virginiana, 261487.
- Kalanchoe pumila*, 259949.
- Kale. *Brassica oleracea* var. *viridis*.
- Kenaf. See *Hibiscus cannabinus*.
- Kennedy prostrata*, 256360.
- Keraudrenia hillii*, 255002.
integrifolia, 255003, 256296.
- Kerguelen cabbage. See *Pringlea antiscorbutica*.
- Kidneyvetch. See *Anthyllis vulneraria*.
- Kochia pentatropis*, 256702.
sedifolia, 256297.
- Koeleria gracilis*, 255364.
- Koelreuteria paniculata*, 261204.
- Kolkwitzia amabilis*, 262257.
- Kopsia albiflora*, 261416.
fruticosa, 261417.
- Kreysigia multiflora*, 260104.
- Kunzea baxteri*, 260105.
muelleri, 258513.
- Laburnum anagyroides* f. *quercifolium*,
 255996.
caramanicum, 261205.
- Lachnostachys coolgardiensis*, 255091.
- Lactuca saligna*, 258813, 261653.
sativa, 255568, 255569, 257288,
 257289, 258814, 261615–261618,
 261654–261656.
serriola, 258815, 258816.
virosa, 261651, 261811.
 sp., 255665.
- Lagenaria leucantha*, 256069, 256070.
- Lagerstroemia* (hybrid), 262316–262319.
indica, 262314.
speciosa, 262315.
- Lambertia formosa*, 254768, 255092,
 256298, 256299.
- Lantana camara*, 258462.
velutina, 262395.
- Lantana, common. See *Lantana camara*.
- Larch, European. See *Larix decidua*.
- Larix decidua*, 261488.
- Lasia aculeata*, 261418.
- Lasiopetalum baueri*, 256580, 260106.
behrii, 256605.
dasyphyllum, 255708, 255709,
 256107, 260107.
- Lathyrus annuus*, 255365.
canescens, 255366.
clymenum, 255367.
inconspicuus, 255372.
sativus, 255368, 257589.
tingitanus, 255369.
versicolor, 255370.
 sp., 255371, 262404.
- Laurentia axillaris*, 256635.
- Lavandula officinalis*, 261844.
- Lavatera plebeia*, 256517.
- Lavender. See *Lavandula spica*.
- Lawsonia inermis*, 260990.
- Leek. See *Allium porrum*.
 lily. See *A. moly*.
- Lemon. See *Citrus limon*.
- Leptochiton quitoensis*, 262310.

- Leptospermum* (hybrids), 260109.
abnorme, 256227.
coriaceum, 255004, 255005, 256300.
ericoides, 260111.
liversidgei, 256460.
luehmannii, 255006.
microcarpum, 256461.
myrsinoides, 256703.
myrtifolium, 258514.
pubescens, 255007, 255008, 255710, 255971.
rotundifolium, 256776.
scoparium, 255972, 256528, 257821-257823, 260108, 260110, 260112.
semibaccatum, 256462.
sphaerocarpum, 255009, 255093.
spinescens, 255094, 255095.
sp., 256369.
Leschenaultia biloba, 254769.
expansa, 256581.
formosa, 254770, 256582.
Lespedeza, Chinese. See *Lespedeza*
cuneata.
Lespedeza cuneata, 259459, 259460.
Lettuce. See *Lactuca* spp.*
Leucopogon richiei, 256777.
Libocedrus decurrens f. *aureo-variegata*, 261556.
decurrens f. *compacta*, 261557.
Licuala rumphii, 260852, 261040.
sp., 261041.
Lilac. See *Syringa tigerstedtii*.
common. See *S. vulgaris*.
Lilium candidum, 259472.
cordatum var. *glehni*, 260390.
Lily. See *Lilium cordatum* var. *glehni*.
Madonna. See *L. candidum*.
Lime. See *Citrus aurantifolia*.
Limncharis flava, 261114, 261419.
Linospadix nicholitzii, 261042, 261043.
Linum catharticum, 255373.
marginale, 258515.
usitatissimum, 255912-255919, 257590, 257644-257651, 259495, 259496, 259497-259511, 260050, 260051, 260267, 262522-262528.
sp., 254897.
Lippia alba, 262192.
Liriope graminifolia, 261206.
spicata, 254924.
sp., 258946, 258947.
Lissanthe montana, 256778.
Listia heterophylla, 255749, 257763.
Livistona decipiens, 255635.
humilis, 255636.
Lobelia anceps, 254771.
rhombifolia, 256779.
Locust, common. See *Robinia pseudo-acacia*.
Lolium multiflorum, 255172-255174, 255881, 255882.
perenne, 254898, 255175, 255470, 257270, 260014-260043, 260245.
persicum, 255194.
rigidum, 254899.
Lomatia fraxinifolia, 260113.
ilicifolia, 260141.
myricoides, 260114.
salaifolia, 260115.
Lotus angustissimus, 257526.
australis, 256228.
carmeli, 258396.
chihuahuanus, 262405.
corniculatus, 255176, 255177, 255301-255305, 257527, 258446, 258467, 259512-259514, 260011-260013, 260268, 260692, 260693, 262529-262531.
creticus, 257764.
hispidus, 258397.
oblongifolius, 262406.
ornithopodioides, 255374, 257528, 258398.
tenuifolius, 257529.
tetragonolobus, 255961.
weilleri, 257530.
Lotus, Hindu. See *Nelumbo nucifera*.
Loudonia behrii, 256538.
Ludovia crenifolia, 262360.
Luffa aegyptiaca, 256071, 256072.
Lupine. See *Lupinus* spp.*
blue. See *L. angustifolius*.
European. See *L. hirsutus*.
Washington. See *L. polyphyllus*.
white. See *L. albus*.
yellow, *European*. See *L. luteus*.
Lupinus albus, 255375, 255471, 259515, 259516.
angustifolius, 255376, 255472, 255473, 259517-259519.
cruckshanksii, 255474.
hirsutus, 255377.
luteus, 255378, 255475.
polyphyllus, 255379.
sp., 259177, 259178, 262407.
Luzuriaga laxifolia, 261315.
Lycopersicon (hybrids), 255841-255845, 255847-255850, 255852-255868.
esculentum, 255829-255840, 255955, 256259-256261, 257290, 257484, 257488, 257489, 257503, 258469-258488, 258808-258812, 260394-260396, 260398-260400, 261619, 261784, 261785, 262159, 262160, 262162, 262173-262175.
esculentum var. *cerasiforme*, 260402.
esculentum f. *pyriforme*, 255846, 255851, 260397, 260401, 260404.
glandulosum, 260403.
Lycopodium carinatum, 261385.
sp., 261013, 261014, 261084.
Macadamia integrifolia, 256301.
Macropidia fuliginosa, 255096.
Macrozamia macdonellii, 256302.
reidii, 255074.
Madrono. See *Arbutus arizonica*.
Magnolia, anise. See *Magnolia salicifolia*.
Wilson. See *M. wilsonii*.

- Magnolia salicifolia*, 256499.
sargentiana, 261168.
wilsonii, 256256.
Mahonia aquifolium, 261171-261173,
 262258.
fortunei, 261174.
napaulensis, 261175.
pinnata, 262259.
Malus (hybrids), 255458, 256020-
 256025, 260728.
prunifolia, 256246.
sylvestris, 255599, 255898-255901,
 256108, 256483-256485, 258944,
 259446-259456, 259999-260002,
 260241, 260242, 260727.
Malvaviscus conzattii, 262187.
Manfreda sp., 256251, 261334, 261590.
Mangifera sp., 261056.
Manihot carthaginensis, 256925.
 Manuka. See *Leptospermum scoparium*.
Mapania, sp., 261096.
 Maple. See *Acer* spp.*
 hornbeam. See *A. carpinifolium*.
 Japanese. See *A. palmatum*.
 sycamore. See *A. pseudoplatanus*.
Maranta splendida, 261386.
Marcgravia polyantha, 260004.
 sp., 261115.
Marianthus erubescens, 256583.
linatus, 255097.
ringens, 255098.
Marsilea drummondii, 255010.
Mascagnia macroptera, 260711.
 Medic. See *Medicago* spp.*
 black. See *M. lupulina*.
 little. See *M. minima*.
 snail. See *M. scutellata*.
Medicago falcata, 255380, 258750-
 258758, 260246, 260247, 260993,
 262532.
littoralis, 255381.
lupulina, 258447, 260980.
minima, 255382.
platycarpa, 257499, 258759-258762,
 260994.
polymorpha var. *vulgaris*, 260269,
 260270.
sativa, 255962, 255991, 256004,
 256337, 256338, 258763-258766,
 258817-258845, 259520-259535,
 260221, 260248, 260981, 262533-
 262550.
sativa var. *varia*, 255178, 255179,
 255883-255886.
scutellata, 255383.
soleirolii, 258399.
turbinata, 255384.
 sp., 260982.
 Medlar. See *Mespilus germanica*.
Melaleuca (hybrid), 255011.
acuminata, 255012.
angustifolia, 256074.
argentea, 256463.
cheelii, 256303, 256705.
cordata, 256361.
deanei, 255711.
Melaleuca—Continued
ericifolia, 255712.
fulgens, 255713.
glomerata, 256304.
graminea, 255099.
huegelii, 255714.
laxiflora, 256658.
leucadendron, 256305, 256306,
 256706.
linarifolia, 256229, 260116.
macronychia, 256529.
micromera, 255715, 255716.
microphylla, 256707.
minutifolia, 256708.
neglecta, 256230.
pentagona, 256530.
pubescens, 255013.
pungens, 255100.
scabra, 255101.
squarrosa, 255014.
steedmanii, 255015, 255102, 255717,
 256362.
subtrigona, 256584.
teretifolia, 256585.
thyoides, 255103.
uncinata, 256231.
websteri, 256586.
wilsonii, 255718.
 sp., 255104, 255719, 256363.
Melilotus alba, 256936, 260271, 260753,
 262551.
indica, 256937, 260754-260757.
officinalis, 256938, 262552.
sulcata, 255385, 260758.
Mespilus germanica, 256489-256492.
Miconia densiflora, 261085.
Microcachrys tetragona, 261558.
Micromyrtus drummondii, 254940.
hursthousei, 255105.
hymenonema, 255106.
Microseris forsteri, 258516.
 Millet. See *Setaria* spp.*
 foxtail. See *S. italica*.
 pearl. See *Pennisetum spicatum*.
 proso. See *Panicum miliaceum*.
Milletia maideniana, 256464.
Millegania densiflora, 257824.
Mimosa invisa, 255073.
Mirbelia oxyleboides, 255107, 258517.
Miscanthus intermedius, 255939.
japonicus, 261813.
sinensis, 256926.
sinensis var. *condensatus*, 261814.
sinensis var. *formosanus*, 261815.
tinctorius, 255940.
 Mockorange. See *Philadelphus delavayi*.
Molinia caerulea, 255386.
Momordica charantia, 257243.
 Monkshood. See *Aconitum* × *arendsii*.
Monochoria hastafolia, 261434.
Montanoa sp., 260712.
Montbretia (hybrid), 262343.
Montia fontana, 258518.
 Morning-glory. See *Ipomoea* spp.*
 common. See *I. purpurea*.
Mucuna gigantea, 261044.

- Musa acuminata*, 260750, 261057, 261058, 261138-261140, 261273-261275, 261335, 261336, 261679-261683, 261702.
banksii, 257500.
 × *paradisiaca*, 261059, 261060, 261129-261133, 261276-261285, 261684-261697, 261698-261700.
 sp., 260816-260819, 261015, 261061-261064, 261128, 261141-26154, 261286, 261337-261343, 261701, 261703-261706, 262361.
 Muskmelon. See *Cucumis melo*.
Mussaenda landia, 260752.
Myoporum desertii, 255651, 256780.
platycarpum, 256709.
serratum, 256710.
Myrciaria glomerata, 258356, 260694.
jaboticaba, 261169, 261170.
Myrica gale, 260391.
Myiocephalus stuartii, 256232.
Myrmecodia tuberosa, 262362.
 sp., 261164.
Myrtus communis var. *romana*, 256518.
Nandina domestica, 255307.
Narcissus tazetta, 257342.
Narenga porphycoma, 261816.
Nasturtium officinale, 261786.
Nasturtium, vermillion. See *Tropaeolum speciosum*.
Neillia affinis, 262321.
thibetica, 262322.
Nelumbo nucifera, 261435.
 sp., 261161, 261162.
Nemastylis sp., 260714.
Neosalsmitra podagrica, 262363.
Neomarica caerulea, 262311.
Neptunia dimorphantha, 257765.
gracilis, 257766.
monosperma, 257767.
plena, 261436.
prostrata, 260732, 261116, 262364.
Nerine (hybrids), 259963-259984.
Neurachne clementii, 257768.
Newcastlia spodioptricha, 256465.
Nicolaia pallida, 260853.
Nicotiana debneyi, 260372.
tabacum, 254719, 260362-260371, 260976-260978.
trigonophylla, 262409.
 sp., 262408.
Nigella arvensis, 257591.
 Nightshade. See *Solanum* spp.*
 black. See *S. nigrum*.
Nitraria schroberi, 256233.
Nolina durangensis, 262388.
Norantea guianensis, 256801.
Normanbya normanbyi, 261045, 261119.
Notelaea longifolia, 256466, 256711.
Nothofagus gunnii, 257570.
Notoxylinon australe, 256467, 261579.
 Oak. See *Quercus* spp.*
 Daimyo. See *Q. dentata*.
 English. See *Q. robur*.
 Oats. See *Avena* spp.*
 common. See *A. sativa*.
 naked. See *A. nuda*.
 red. See *A. byzantina*.
Ochna sp., 261422.
Oleandra nerififormis, 261016.
 Okra. See *Hibiscus esculentus*.
Olearia argophylla, 255720, 256781, 260-117.
ciliata, 256606.
erubescens, 256659, 256782, 258519.
floribunda, 256588, 256783.
gunniana, 256307.
lyrata, 256784, 260118.
megalophylla, 256785, 258520.
muelleri, 256712.
myrsinoides, 256786.
pannosa, 256234.
phlogopappa, 256660.
stellulata, 254772, 256787, 260119.
stuartii, 256468.
teretifolia, 260808.
 sp., 256587.
Oncosperma horridum, 260854.
 Onion. See *Allium cepa*.
Onobrychis caput-galli, 255387, 255388.
peduncularis, 257769.
saxatilis, 257770.
transcaucasica, 257771.
viciifolia, 258767-258778, 259491-259494.
Onohualcoa heliocalyx, 256494.
Operculina turpethum, 256308.
Ophiopogon intermedius, 255327.
Ophiorrhiza sp., 261086.
Ophiurus exaltatus, 257772.
 Orange, Mandarin. See *Citrus reticulata*.
 sour. See *C. aurantium*.
 sweet. See *C. sinensis*.
Orania aruensis, 260855, 261120.
Orbignya martiana, 261046.
 Orchid. See *Arundina bambusifolia*, *Caladenia flava*, *C. patersonii*, *C. roei*, *Disa uniflora*, *D. sp.*, *Diuris longifolia*, *D. setacea*, *Grammataphyllum speciosum*, *Taeniophyllum* sp., *Thelymitra antennifera*.
Orchidantha sp., 260856.
 Oregongrape. See *Mahonia aquifolium*.
Orites revoluta, 257825.
Ornithopus compressus, 255389.
Orthothylax glaberrimus, 256469.
Orthrosanthus chimboracensis, 256235.
Oryza sativa, 256339, 256340, 256986-256990, 258951, 259137-259139, 260-045, 260046, 260052, 260659-260662.
Oryzopsis holciformis, 254900, 254901.
 Osier, purple. See *Salix purpurea* var. *amplexicaulis*.
Ottocloa nodosa, 259417.
Owenia vernicosa, 256470.
Oxylobium ellipticum, 258521.
lanceolatum, 260120, 260121.
Oxytropis campestris, 255390.

- Palm. See *Archontophoenix alexandrae*,
Arenga ambong, *Carpentaria acuminata*,
Coccothrinax fragrans, *Cyrtostachys lakka*, *C. renda*, *C. sp.*,
Eugeissona triste, *Gronophyllum oxy-petalum*,
Heterospatha salomonensis, *Hydriastele rostrata*,
Licuala rumphii, *Linospadix micholitzii*,
Livistona decipiens, *L. humilis*,
Normanbya normanbyi,
Oncosperma horridum,
Orania aruensis,
Orbignya martiana,
Paralinospadix geonomiformis,
P. petrickianus,
Phoenicophorium borsigianum,
Pinanga disticha,
P. maculata,
Ptychococcus paradoxus,
Raphia hookeri,
R. laurentii,
R. sp.,
Syagrus sp.
- Panax pseudoginseng*, 260783.
- Pandanus amaryllifolius*, 261017.
graminifolius, 262365.
parvus, 261020.
- Pandorea oxleyi*, 256589.
- Panicum capillipes*, 257773.
coloratum, 255331-255336, 259552.
delicatum, 257774.
massainse, 255337.
maximum, 259553-259556, 259558, 259559-259569.
maximum var. *trichoglume*, 259549-259551, 259557, 259570-259571.
miliaceum, 255735, 255736, 260053.
poaeoides, 255338.
queenslandicum, 257775.
seminudum, 257776.
trachyrachis, 257777.
trichocladum, 255339.
whitei, 257778.
sp., 255236.
- Papaya. See *Carica papaya*.
- Parakeelya. See *Calandrinia balonensis*.
- Paralinospadix geonomiformis*, 261316.
petrickianus, 260857, 261047.
- Parmentiera cereifera*, 260424.
- Parrotia persica*, 255652.
- Paspalidium caespitosum*, 257779.
globoideum, 257780.
gracile, 257781.
sp., 258461.
- Patersonia longiscapa*, 256713, 260122.
- Pavetta indica*, 256309.
- Pawatta. See *Pavetta indica*.
- Pea, garden. See *Pisum sativum*.
Mediterranean. See *P. elatius*.
- Peach. See *Prunus persica*.
- Peanut. See *Arachis hypogaea*.
- Pear, common. See *Pyrus communis*.
Pashi. See *P. pashia*.
- Peavine. See *Lathyrus spp.**
grass. See *L. sativus*.
- Pelargonium* (hybrids), 256263, 260184.
alchemilloides, 256519.
australe, 256590.
graveolens, 256262.
- Pennisetum alopecuroides*, 260219.
alopecuros, 260218.
basedowii, 257782.
- Pennisetum alopecuroides*—Continued
clandestinum, 257542, 257543.
hohenackeri, 260220.
longistylum, 257531.
pedicellatum, 257783.
purpureum, 257784, 262381.
setosum, 257785.
spicatum, 255243-255252, 260904-260975.
villosum, 256928.
- Penstemon sp.*, 262389, 262390, 262391.
- Pepper, black. See *Piper nigrum*.
- Persea americana*, 259464.
- Persoonia acerosa*, 255653.
angulata, 255654.
caleyi, 255655.
juniperina, 256310, 256661.
linearis, 255656.
pinifolia, 255657.
salicina, 256788.
- Petalostylis labicheoides*, 256714.
- Petrea volubilis*, 256311.
- Petrophila biloba*, 255108.
- Phaemeria speciosa*, 261087.
- Phalaris* (hybrids), 256956, 261030, 261031.
aquatica, 254902-254904.
arundinacea, 255887.
- Phaleria chermisideana*, 255658.
wichmannii, 261317.
sp., 261318.
- Phaseolus* (hybrids), 257441, 261137, 262176.
aureus, 255825, 256073, 256074.
coccineus, 255573, 255956, 255957.
lunatus, 256382-256422, 256804-256913, 257219-257221, 257350-257401, 257407-257424, 257547-257569, 260405-260417.
vulgaris, 255309, 255570, 255571, 255958-255960, 256423, 256424, 257222, 257223, 257402, 260418-260421, 260697, 261135, 261136, 261620, 261621, 262163-262165.
wrightii, 262410.
sp., 256425-256427, 256598, 257224, 262411.
- Phebalium glandulosum*, 255595.
phylicifolium, 256791.
pungens, 255596.
- Philadelphus delavayi*, 262260.
- Phleum boissieri*, 254905.
micheelii, 255391.
- pratense*, 255180-255182, 255888, 255889, 257271, 257272, 258779-258784, 262467-262471.
- Phlomis fruticosa*, 260123.
- Phoenicophorium borsigianum*, 260858.
- Pholidia santalina*, 256715.
- Photinia prionophylla*, 261207.
- Phyllanthus sp.*, 261319.
- Phyllocladus glauca*, 261559.
trichomanoides, 261560.
- Phyllostachys makinoi*, 258365.
pubescens, 258364.
violascens, 260422.

- Phymatocarpus porphyrocephalus*, 256532.
- Picea abies*, 261489.
abies f. *pyramidata*, 261490.
orientalis, 261492.
morrisonicola, 261491.
schrenkiana, 261576.
- Pieris japonica*, 261845.
Pieris, Japanese. See *Pieris japonica*.
- Pigeonpea. See *Cajanus cajan*.
- Pigeonwings, Asian. See *Clitoria ternatea*.
- Pilea globosa*, 259951.
- Pileanthus filifolius*, 254971.
peduncularis, 255078.
- Pimelea ferruginea*, 254773, 260124.
glauca, 256607.
ligustrina, 256662, 256789.
linifolia, 256790.
octophylla, 256608.
pauciflora, 256716.
suaveolens, 254972.
- Pimento. See *Capsicum annum*.
- Pinanga disticha*, 260859, 261018.
maculata, 261019.
- Pine. See *Pinus* spp.*
Austrian. See *P. nigra*.
lacebark. See *P. bungeana*.
longleaf. See *P. palustris*.
mountain, Swiss. See *P. mugo*.
Scotch. See *P. sylvestris*.
stone, Japanese. See *P. pumila*.
white, Japanese. See *P. parviflora*.
- Pink-shower. See *Cassia grandis*.
- Pinus bungeana*, 256508.
gerardiana, 257021.
griffithii, 256257.
halepensis var. *brutia*, 256511.
heldreichii var. *leucoderma*, 255583.
montezumae, 261494.
mugo, 261493.
nigra, 255584.
palustris, 257498.
parviflora, 261495.
pumila, 261496.
sylvestris, 255585, 261497-261499.
tabulaeformis, 261500.
sp., 261211.
- Piper nigrum*, 259416.
ornatum, 260860.
sp., 260861, 260862, 261088.
- Pistache, Chinese. See *Pistacia chinensis*.
- Pistacia chinensis*, 255902-255908.
- Pisum elatius*, 261652.
sativum, 257244, 257492, 257592-257594, 261622-261624, 261657-261678, 261630-261636, 262189.
- Pitcairnia integrifolia*, 256737.
- Pithecollobium grandiflorum*, 256312.
- Pittosporum huttonianum*, 261442.
- Pityrodia* sp., 255109.
- Planetree, Oriental. See *Platanus orientalis*.
- Platanus orientalis*, 256500, 256509, 256610-256614, 259130.
- Platycarya strobilacea*, 260744.
- Platycerium alicorne*, 261068.
biforme, 260863.
- Plectrachne bynoei*, 257786.
pungens, 257787.
rigidissima, 257788.
- Plectranthus coleoides* var. *variegata*, 256917.
ecklonii, 260125.
fruticosus, 260126.
- Pleiotachya pruinosa*, 261387.
- Pleomele* sp., 261320.
- Plumbago zeylanica*, 256471.
- Plum, common. See *Prunus domestica*.
- Poa bulbosa*, 254906, 254907, 259763, 261290.
flabellata, 258955.
palustris, 255476, 255477.
pratensis, 255890, 258785, 258786.
trivialis, 254908.
sp., 254909.
- Podocarpus acutifolius*, 261561.
andina, 261562.
elata, 260127.
sp., 259956.
- Podolepis aristata*, 256364.
jaceoides, 256792.
- Pogonatherum crinitum*, 262366.
- Polypodium aureum*, 262367.
feei, 261021.
musifolium, 262378.
nigrescens, 262368.
- Polyscias elegans*, 256477.
- Pomaderris edgerleyi*, 260128.
ferruginea, 256531, 256717.
lanigera, 260129.
obcordata, 256539.
pilifera, 256472.
- Poncirus trifoliata*, 255556.
- Populus* sp., 256330, 256331, 256377, 256378.
- Portlandia grandiflora*, 256738.
- Posoqueria multiflora*, 255263.
- Potato. See *Solanum tuberosum*.
- Potentilla fruticosa*, 259146, 259150, 259159, 259160, 262261, 262323.
fruticosa var. *parvifolia*, 259152.
fruticosa var. *purdomii*, 259153.
fruticosa var. *pyrenaica*, 259147.
fruticosa var. *rigida*, 259158.
fruticosa var. *veitchii*, 259156.
fruticosa var. *vilmoriniana*, 259148, 259149, 259151, 259154, 259155, 259157.
- Pothos hermaphroditus*, 261423.
scandens, 260005, 261117.
- Pratia puberula*, 254774.
- Primrose. See *Primula* × *arendsii*.
top. See *P. obconica*.
- Primula* × *arendsii*, 261294.
obconica, 261295-261298.
- Pringlea antiscorbutica*, 255186, 259864.
- Prionotes cerinthoides*, 257826.
- Prostanthera behriana*, 256236, 256520, 256793.
cuneata, 258522.

Prostanthera behriana—Continued

- incisa*, 260130.
lasianthos, 256237, 260131.
nivea, 256313, 256591.
ovalifolia, 260132.
rotundifolia, 256314.
striatiflora, 256718.
 sp., 256315.
Prunus amygdalus, 255552, 255598,
 256183, 261100–261111.
apetala, 259439.
armeniaca, 255319, 255586, 259124–
 259127, 260193, 260194, 261443–
 261449.
avium, 255989, 256914, 257225,
 257226.
cerasus, 254714.
domestica, 255431–255438.
effusa, 254713.
ilicifolia, 260615.
incisa, 262262.
incisa var. *yamadei*, 259440.
persica, 255597, 255601–255604,
 256332, 259457, 259458, 260719.
prostrata, 261501.
sargentii, 259441.
serrulata var. *spontanea*, 259442.
subhirtella, 259443.
syodoi, 259444.
velutipes, 259445.
 sp., 255942–255945, 256379.
Psuederantherum reticulatum, 262369.
Pseudobombax ellipticum, 255264.
Psuedopogonatherum irritans, 257789.
Psidium sp., 262190.
Psoralea cinerea, 257790–257795.
eriantha, 255746.
 sp., 257796.
Ptychococcus paradoxus, 260864, 261048,
 261121.
Puccinellia maritima, 260702.
Pultenaea daphnoides, 256238.
 Pummelo. See *Citrus grandis*.
 Pumpkin. See *Cucurbita pepo*.
Pyrus communis, 255600, 255605–
 255620, 255990, 256380, 258948,
 260150–260163, 260195–260199,
 260722, 261269, 261270.
 sp., 260200.
Quassia amara, 261321.
Quercus arizonicus, 254696.
 × *audleyensis*, 261583.
calliprinos, 261581.
cerris, 260723.
dentata, 260745.
haas, 260724.
infectoria, 261582.
petraea, 260746.
phillyraeoides, 261217.
ponica, 260695.
robur, 260979.
 × *turneri*, 261218.
 sp., 254697.

Quince. See *Cydonia oblonga*.

- Japanese. See *Chaenomeles lagenaria*.
 Radish. See *Raphanus sativus*.
 Ragi. See *Eleusine coracana*.
Randia maculata, 260185.
malleifera, 261424.
Ranunculus anemoneus, 258523.
muelleri, 258524.
Rapanea howittiana, 260133.
 Rape, bird. See *Brassica campestris*.
Raphanus sativus, 256075, 256076,
 257245–257247, 257490.
Raphia hookeri, 260865, 261122.
laurentii, 261123.
 sp., 255819.
 Raspberry. See *Rubus* (hybrid).
 roseleaf. See *R. rosaefolium*.
Rauwolfia sp., 262193.
Ravenia spectabilis, 256740.
 Redcedar, eastern. See *Juniperus virginiana*.
 Redpepper. See *Capsicum frutescens*.
 Redtop. See *Agrostis alba*.
Regelia grandiflora, 256719.
inops, 256533.
Renealmia ventricosa, 260866.
 Retinospora, Sawara. See *Chamaecyparis pisifera*.
Rhaphidophora peptoides, 261425.
Rhectodphyllum mirabile, 260867.
Rhododendron (hybrids), 257474, 262370.
 × *balsameiflorum*, 257476–257479,
 257482.
jasminiflorum, 257473.
javanicum, 261023.
kuisianum, 261746.
longiflorum, 257475.
retusum, 257480.
taylori, 257481.
zoelleri, 262371.
 sp., 259760, 259761, 261747–261749.
Rhodosphaera rhodanthema, 256316.
Rhynchosia sp., 256920–256923, 257403,
 257425, 257426.
 Rice. See *Oryza sativa*.
Ricinocarpus pinifolius, 255016.
Ricinus communis, 255238, 257442–
 257462, 257652–257654, 258368,
 258388–258391, 262553.
 Rimu. See *Dacrydium cupressinum*.
Robinia pseudoacacia, 256501, 257022,
 262324.
 Rocket-salad. See *Eruca sativa*.
Rosa ecae, 259463.
sericea, 259470.
Roscoea purpurea, 262263, 262264.
 Rose. See *Rosa sericea*.
Ecae. See *R. ecae*.
 Roselle. See *Hibiscus sabdariffa*.
 Rosemallow. See *Hibiscus diversifolius*.
 common. See *H. moscheutos*.
 cotton. See *H. mutabilis*.
 scarlet. See *H. coccineus*.

- Rottboellia rottioides*, 257693.
 Rubber tree, para. See *Hevea brasiliensis*.
Rubus (hybrid), 255300.
 mesogaeus, 260392.
 rosaefolius, 260886.
 sp., 258464, 259762, 260720.
Ruellia blumei, 262372.
 ciliosa, 256918.
 sp., 255265.
Rulingia densiflora, 255110.
 pannosa, 256592.
 parviflora, 260134.
 procumbens, 256794.
Rumex roseus, 256720.
Ruta graveolens, 261212.
 Rye. See *Secale cereale*.
 mountain. See *S. montanum*.
Saccharum (hybrids), 255317, 255318, 255320-255324, 255550, 255551, 255727, 255728, 257008-257011, 257216, 257217, 257328-257341, 258374, 258465, 259179-259181, 259182, 259183, 259469, 259985-259988, 260006-260010, 260186-260192, 260293-260309, 260657, 260658, 260725, 260726, 260784-260791, 260811-260815, 261070, 261450-261454, 261626, 261817-261821, 262327, 262502, 262503.
 officinatum, 259166-259169, 260656.
 spontanum, 258959, 259477.
 sp., 260143, 260144, 260382.
Sacciolepis indica, 257797.
 mysuroides, 257798.
 Safflower. See *Carthamus tinctorius*.
 Sage. See *Salvia* spp.*
Sagittaria lancifolia, 261437.
 Sainfoin. See *Onobrychis* spp.*
Salix balfouriana, 255997.
 bockii, 261208, 262265.
 boydii, 261502.
 daphnoides, 255998.
 fargesii, 255999.
 grahamii, 261503.
 purpurea, 259471, 262325.
 retusa, 261504.
 smithiana, 255459.
Salvia henryi, 262392.
 madrensis, 262194.
 regia, 262200.
 sp., 257343.
Sambucus nigra, 262373.
 Sandbur. See *Cenchrus echinatus*.
Sansevieria cylindrica, 261388.
 liberica, 260996.
 sp., 261304.
Sarcococca saligna, 260742.
Sasa kurilensis, 259466.
Scaevola collaris, 256721.
Schefflera sp., 261049.
Schismatoglottis concinna var. *maculata*, 261389.
 picta, 261390.
Schizachyrium obliquiberbis, 257799.
 pachyarthron, 257800.
Schizocarpum palmeri, 255310.
Schizophragma integrifolium, 261563.
Scholtzia involucrata, 255111.
 lepantha, 255112.
 Scorpion-senna. See *Coronilla emerus*.
 Scorpiontail. See *Scorpiurus* spp.*
Scorpiurus subvillosus, 262183.
 sulcatus, 260759.
 Screwpine. See *Pandanus* spp.*
 Sea-onion. See *Urginea maritima*.
Secale cereale, 254806, 254807-254823, 254911, 256026-256028, 256957, 260054, 260055, 261400, 261401.
 montanum, 257801.
Sedum (hybrid), 261293.
Sehima nervosum, 257802.
Selaginella grandis, 262374.
 haematodes, 262375.
 willdenovii, 262376.
Sempervivum (hybrid), 260655.
 schlehanii, 260654.
Senecio citrifolius, 259950.
 iosensis, 259953.
 radicans, 259954.
 Senna. See *Cassia* spp.*
Sequoia sempervirens, 261564.
Sequoiadendron giganteum f. *pendulum*, 261565.
 Sesame. See *Sesamum indicum*.
Sesamum alatum, 256952.
 indicum, 254698-254710, 256521-256526, 257471, 257655-257658, 258369-258373.
 prostratum, 261134.
 schenkii, 256953.
Sesbania sp., 260272.
Sesleria argentea, 255392.
Setaria italica, 255737, 261223.
 palmifolia, 256927.
 sphacelata, 255354.
Severinia sp., 259140.
 Shadbush. See *Amelanchier sanguinea*.
 Shallot. See *Allium ascalonicum*.
 Shrub-althea. See *Hibiscus syriacus*.
Sida sp., 256042.
Sideroxylon australe, 260135.
Silene laciniata, 262201.
Sinarundinaria murielae, 260373, 262266.
 nitida, 261213.
 Sisal. See *Agave sisalana*.
Solandra sp., 260713.
Solanum (hybrid), 259468.
 acaule, 255501.
 agrimoniifolium, 255196, 255197.
 ahanhuiri, 255490, 258860.
 alatum, 256929.
 andigenum, 255489, 255502-255506, 258861-258899.
 aviculare, 256239.
 brachycarpum, 255514.

Solanum—Continued

- bulbocastanum*, 255198–255202
 255515–255518.
cardenasii, 258849–258851, 258855.
cardiophyllum, 255519–255521.
cardiophyllum var. *endoiodandrum*,
 255203.
chiquidenum, 262309.
clarum, 255204–255214.
curtilobum, 258900.
fendleri, 261287.
jamesii, 255522.
juzepczuki, 258901–258905.
lycopersicoides, 255549.
melongena, 256077, 256078, 257491.
morelliforme, 255215, 255216,
 255523.
nigrum, 260393.
oxycarpum, 255524.
petrophilum, 256722.
phureja, 258852–258854.
pinnatisectum, 255525, 259467.
polytrichon, 255526.
seaforthianum, 255311.
stenophyllidium, 255527–255530.
stenotomum, 258906–258914.
stoloniferum, 255531–255535.
stuartianum, 256473, 256723.
trifidum, 255536–255542.
tuberosum, 254711, 254712, 255897,
 255929–255932, 255968, 256248,
 256803, 256973–256984, 257344–
 257349, 257534–257538, 257813,
 257814, 257830–258352, 260145–
 260149, 261707–261733.
verrucosum, 255217, 255543, 255544.
violaceimarmoratum, 258856.
sp., 255491–255500, 255507–255509,
 255545–255548, 258857, 258858,
 258915–258936, 260690, 260698.
Sorbypyrus auricularia, 256000.
Sorghum arundinaceum, 258795.
australiense, 258796.
bicolor, 255239, 255347, 255348,
 255740–255743, 255963, 256109–
 256182, 256615–256629, 257041,
 257042, 257296–257327, 257595–
 257603, 260207–260217, 260274,
 260275, 262568, 262569.
bicolor var. *subglobosum*, 255744.
brevicallosum, 258797.
caudatum, 257292.
dimidiatum, 258798.
dochna, 257294, 257295, 262563–
 262567.
durra, 258805, 262562.
halepense, 255738.
intrans, 258799.
laxiflorum, 258800.
miliiforme, 257293.
nitidum, 258801.
plumosum, 258802.
stipoideum, 258803, 258804.
sudanense, 255739, 260056, 262561.
versicolor, 260273.
sp., 258806.
- Soybean. See *Glycine max.*
Spartina townsendii, 260718, 260792.
Spathiphyllum sp., 261391.
 Speedwell. See *Veronica* spp.*
 Spinach, common. See *Spinacia oler-*
acea.
Spinacia oleracea, 256079, 256080,
 261787–261789, 262161.
Sporobolus australasicus, 257803.
capensis, 258455.
pyramidalis, 258457.
Sprengelia incarnata, 256663.
 Sprouts, Brussels. See *Brassica oler-*
acea var. *gemmifera.*
 Spruce. See *Picea* spp.*
 Norway. See *P. abies.*
 Oriental. See *P. orientalis.*
 Schrenk. See *P. schrenkiana.*
 Spurge. See *Euphorbia* spp.*
 Squash. See *Cucurbita maxima.*
Stachyphrynium griffithii, 261392.
jagorianum, 261393.
Stachyurus himalaicus, 261209.
Stachytarpheta sp., 261322.
Stangeria eriopus, 258954.
Stenocarpus salignus, 260136.
Stephanandra tanakae, 261846.
Sterculia ramiflora, 256474.
trichosiphon, 256437.
Steriphoma elliptica, 261426.
Stiffia chrysantha, 256741, 261323.
 Strawberry. See *Fragaria* spp.*
 Chiloe. See *F. chilensis.*
 European. See *F. vesca.*
 Hautbois. See *F. moschata.*
 Nilghiri. See *F. nilgerrensis.*
Strelitzia alba, 260137.
Stromanthe sanguinea, 261394.
Strongylodon macrobotrys, 256184, 257-
 020, 260868.
sp., 261163.
Stylidium graminifolium, 256795.
serrulatum, 258525, 258526.
Stylosanthes gracilis, 258382, 261266.
mucronata, 262148.
sundaica, 260240.
Styphelia acerosa, 256241, 257827.
sp., 255721.
 Sugarcane. See *Saccharum* spp.*
 Summer-cypress. See *Kochia sedifolia.*
 Sunflower, common. See *Helianthus*
annuus.
Swainsona canescens, 256724.
greyana, 256242.
 Sweetclover. See *Melilotus* spp.*
 white. See *M. alba.*
 yellow. See *M. officinalis.*
 annual. See *M. indicus.*
 Sweetpotato. See *Ipomoea batatas.*
 Swiss chard. See *Beta vulgaris* var.
cicla.
Syagrus sp., 255266.
Syncarpia glomulifera, 256317, 256318.
procera, 260138.
Syringa tigersstedtii, 262326.
vulgaris, 257661.

- Tabebuia chrysotricha*, 255267.
Tabernaemontana floribunda, 261324.
Tacca chantieri, 261050.
 flabellata, 261051.
 macrantha, 260987, 261052.
Taeniophyllum sp., 261024.
Tagetes sp., 254734.
Tamarix jordanis, 260289.
 mannifera, 260290.
 maris-mortui, 260291.
 tetragyna, 260292.
Tapeinocheilos ananassae, 257483,
 260869, 261053.
 sp., 260870, 260871.
Taxodium ascendens f. *nutans*, 261566.
Taxus baccata, 261567-261572.
Tecoma tronadora, 262393.
Tecomanthe dendrophila, 256919.
Telopea speciosissima, 256319, 260809.
Templetonia hookeri, 256475.
Tephrosia vogelii, 257533.
Ternstroemia cherryi, 256476.
Tetracentron sinense, 256258.
Teucrium corymbosum, 256725.
Thaumastochloa pubescens, 257804,
 257805.
Thelymitra antennifera, 256365.
Theobroma cacao, 255482-255488,
 255588-255590, 255925, 256991-
 256996, 256997-257000, 257001,
 257002-257007, 257404-257406,
 257812, 258493-258495, 259170-
 259172, 259536, 260377, 260378,
 262394.
Thespesia danis, 261580.
 lampas, 255077.
Thomasia brachystachys, 260139.
 macrocarpa, 256320, 256664.
Thryptomene australis, 254941.
 baeckeacea, 255113.
 hyporhytus, 254775, 254942.
 kochii, 254943.
 racemulosa, 255114.
 saxicola, 254776, 255115.
 strongylophylla, 254944.
 tuberculata, 255116.
Thuja occidentalis f. *lutescens*, 261573.
 plicata, 261574, 261575.
Thysanoptus multiflorus, 256593.
 tuberosus, 256796.
Tieghemopanax sambucifolius var.
 angustifolius, 260140.
 Timothy. See *Phleum* spp.*
 Titoki. See *Alectryon excelsum*.
 Tobacco. See *Nicotiana* spp.*
 common. See *N. tabacum*.
 Tomato. See *Lycopersicon esculentum*.
 Towelgourd, Suakwa. See *Luffa*
 aegyptiaca.
Trachymene coerulea, 256478, 256726.
Tradescantia sp., 262377.
Tragopogon porrifolius, 261761, 261762.
 Treemallow. See *Lavatera plebeia*.
 Tree-tomato. See *Cyphomandra*
 betacea.
 Trefoil. See *Lotus* spp.*
 birdsfoot. See *L. corniculatus*.
Trevesia burckii, 261395.
 sundaica, 261089.
Trichinium caloctachyum, 256479.
 exaltatum, 256727.
 manglesii, 255117.
 marcocephalum, 256480.
 nobile, 256481, 256728.
 spathulatum, 254945.
Tricholaena repens, 257806.
Trifolium alexandrinum, 255241,
 255242.
 alpestre, 256939.
 amabile, 262412, 262413.
 ambiguum, 258787, 258788.
 angustifolium, 256940.
 arvense, 256941.
 baccarinii, 262233.
 bocconeii, 256942.
 burckellianum var. *johnstonii*,
 262234.
 campestre, 254912, 260646.
 cernuum, 258401.
 cheranganiense, 262235.
 echinatum, 258402.
 fragiferum, 254916, 256731, 256943,
 260648, 260983.
 glomeratum, 256944.
 hirtum, 254913.
 hybridum, 255891, 256945, 257273,
 258448.
 hybridum var. *pratense*, 257807.
 incarnatum, 255393, 255892.
 isthmocarpum, 258403.
 lappaceum, 254917, 256946, 260760,
 260761.
 masaiense, 262236.
 medium, 260249.
 melchianum, 258400, 258405.
 miegianum, 258406.
 montanum, 255394.
 obscurum, 258404.
 ochroleucum, 258449.
 pannonicum, 255463-255465, 256947.
 parviflorum, 258407.
 pratense, 255183, 255184, 255395,
 255481, 255893-255896, 257274,
 258450-258452, 258789-258794,
 259161, 260250, 260251, 261439,
 262570-262576.
 repens, 255185, 256732, 256733,
 257275, 257495, 257808, 258453,
 260647, 260984, 260985.
 resupinatum, 256343, 256344,
 260762, 260986, 262184-262186.
 rubens, 255396, 256948.
 rubrum, 258454.
 ruppelianum, 262237.
 semipilosum, 262238.
 squarrosus, 256949, 257809.
 stellatum, 258408.
 steudneri, 262239.
 striatum, 256950, 256951.
 tembense, 260278, 262240.

- Trifolium alexandrinum*—Continued
uscumbarense, 262241.
 sp., 254914, 254915, 260276, 260277.
Trigonella foenum-graecum, 257604.
Triphasia trifolia, 260988.
Triticum (hybrids), 256005–256008, 260806.
aestivum, 254824–254850, 255140, 255141, 255826, 255827, 256016–256019, 256958–256971, 257218, 257504, 257505, 258425–258427, 259879–259894, 260044, 260057–260060, 260797–260805, 260895–260903, 261402, 261822–261824, 262222–262232, 262577–262583, 262589–262663.
carthlicum, 262678.
compactum, 262664–262669.
dicoccoides, 256029, 256030.
dicoccum, 256031, 256032.
durum, 256033, 260061, 260062, 262584–262586, 262670–262677.
orientale, 257544.
polonicum, 256034.
turgidum, 255306.
 sp., 254918, 254919.
Triumfetta semitriloba, 258424.
Trochocarpa disticha, 257828.
thymifolia, 257829.
Tropaeolum speciosum, 260374.
 Turnip. See *Brassica rapa*.
Turraea obtusifolia, 256321.
Ulmus hollandica, 256001.
laevis, 260883, 260884.
pumila var. *arborescens*, 260885.
 Undertermined, 255017, 255134, 255641, 255818, 256244, 256351, 256370, 256371, 256372, 256373, 256374, 256375, 256434, 256435, 260874, 260875, 260876, 260877, 260878, 260879, 260880, 260989, 261025, 261026, 261027, 261028, 261055, 261091, 261165, 261166, 261167, 261396, 261397, 261398, 261420, 261428, 261438, 261465, 261753.
Urena lobata, 257497.
Urginea maritima, 261365.
Urochloa sp., 256047.
Valerianella olitoria, 255572, 261763.
Vanilla sp., 255817.
 Vegetable-oyster. See *Tragopogon porrifolius*.
Vernonia anthemintica, 261032.
Veronica derwentia, 256729, 258527.
gracilis, 254777.
nivea, 258528.
perfoliata, 256594, 256769.
Verticordia brownii, 255118.
densiflora, 255119, 256243.
grandis, 255120, 256366.
huegeli, 255121.
monadelphica, 255122.
muelleriana, 254778, 255123, 255124.
nitens, 255125.
oculata, 255126.
pennigera, 255127.
Verticordia brownii—Continued
pholidophylla, 256595.
picta, 255128.
plumosa, 255129.
preissii, 255130.
roei, 255131.
spicata, 255132.
 sp., 256367, 256368.
 Vetch, common. See *Vicia sativa*.
Vetiveria filipes, 257810.
Viburnum glabratum, 260991.
harryanum, 261219.
villosum, 260992.
 sp., 260715.
Vicia angustifolia var. *segetalis*, 255397, 255398.
faba, 254920, 261637.
sativa, 254921.
 sp., 254922, 255240, 260279, 262414, 262415.
Victoria amazonica, 261097.
regia, 260717.
Vigna caerulea, 255750.
cylindrica, 255755.
sesquipedalis, 259759, 262178.
sinensis, 255756–255816, 256249, 256341, 256342, 257463, 257574–257580, 262179.
Viola hederacea, 255722.
 Violet. See *Viola hederacea*.
Vilex agnuscactus, 258859.
Vitis (hybrids), 255553–255555, 258966–259123.
aestivalis, 255187.
amurensis, 259131.
coignetiae, 259132.
davidii, 259133.
riparia, 255188–255192.
vinifera, 255591, 255592, 255910, 255911, 256002, 256486–256488, 257012–257016.
Wahlenbergia gloriosa, 256797.
gracilis, 256798.
 Walnut, Persian. See *Juglans regia*.
 Waratah, crimson. See *Telopea speciosissima*.
Warszewiczia coccinea, 261325, 261427.
 Waterlily, Victoria. See *Victoria amazonica*, v. *regia*.
 Watermelon. See *Citrullus lanatus*.
 Wattle, golden. See *Acacia pycnantha*.
 prickly. See *A. juniperina*.
Westringia eremicola, 256609.
 Wheat. See *Triticum* spp.*
 common. See *T. aestivum*.
durum. See *T. durum*.
 Polish. See *T. polonicum*.
 poulard. See *T. turgidum*.
 Willow. See *Salix* spp.*
 Daphne. See *S. daphnoides*.
 Witch-hazel, Japanese. See *Hamamelis japonica*.
 Woollybutt. See *Eucalyptus longifolia*.
Xanthoceros sorbifolia, 256510.
Xanthorrhoea media, 256799.
Xanthostemon oppositifolius, 256482.

Xylomelum occidentale, 255133.

Yam. See *Dioscorea* spp.*

Yang tao. See *Actinidia chinensis*.

Yew, English. See *Taxus baccata*.

Zea mays, 254851-254858, 255193,

255974-255986, 256930-256935,

257023-257040, 257248-257267,

257506-257517, 257605-257639,

258529-258538, 260222-260231,

260381, 260614, 261265, 262472-

262501, 262587, 262588.

Zelkova cretica, 261210.

Zephyranthes candida, 256502, 256503.

Zieria smithii, 260142.

Zingiber macradenium, 260872, 261054.

sp., 260873, 261090, 262312.

Zinnia linearis, 255430.

multiflora, 262202.

Zoysia matrella, 257811.

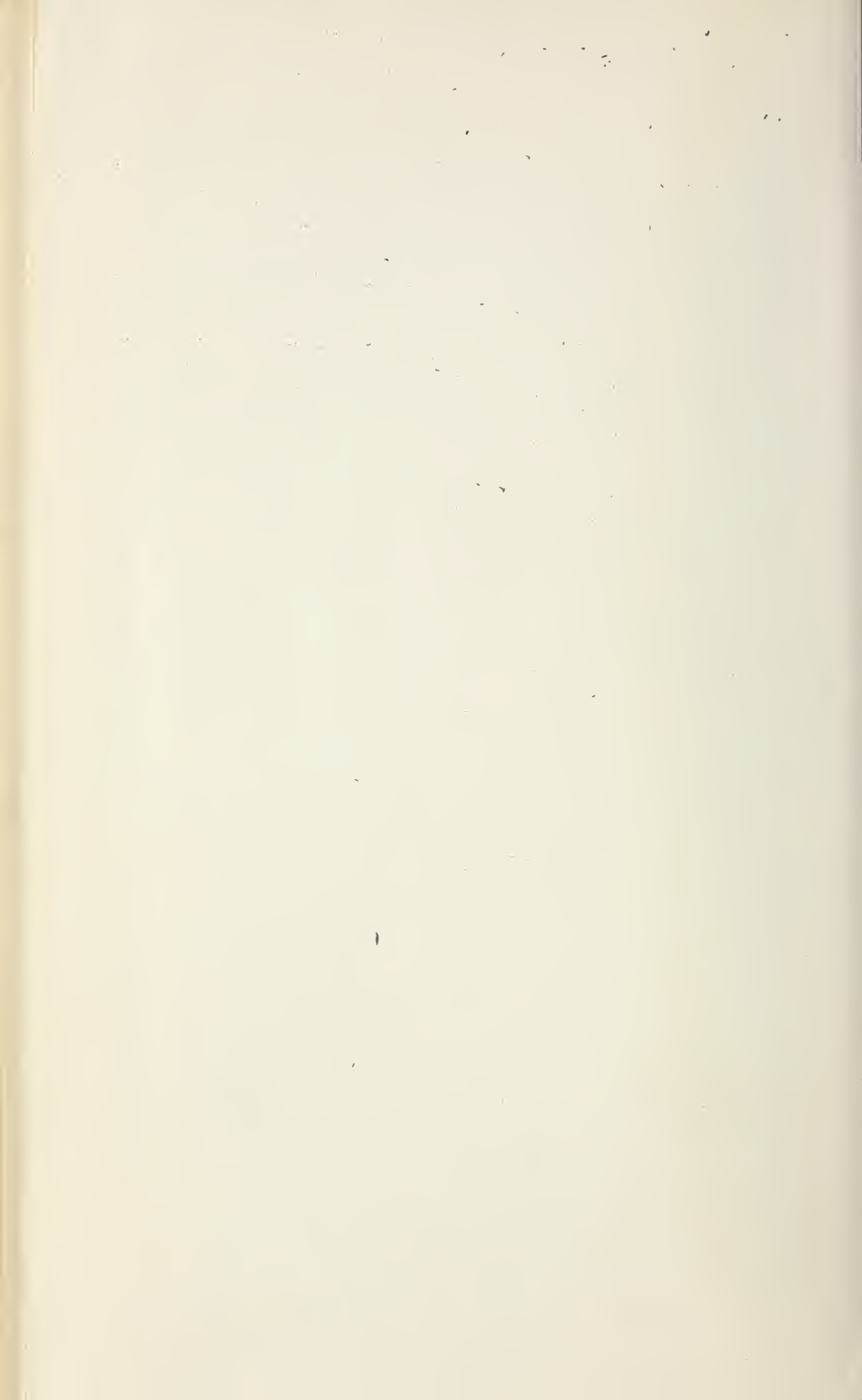
* If the species of a genus do not have distinct common names they share the same common name as the genus.

7858

[Faint, illegible text at the top of the page, possibly a header or title area.]

[Large area of extremely faint, illegible text, likely the main body of a document or report.]







SMITHSONIAN INSTITUTION LIBRARIES



3 9088 01700 0704