

## Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.





UNITED STATES  
DEPARTMENT OF AGRICULTURE  
LIBRARY



1.9

BOOK NUMBER P69Lc  
v.16, no.1-8  
Jan.2-Apr.21,1934

Reserve 319130

o.p. 8-7671

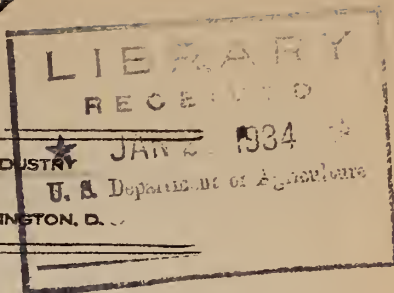




# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.



Vol. 16, no. 1.

Jan. 2-13, 1934.

Agr. Gaz. N.S.W. (Sydney) (23N472)

Edwards, E. T.

A new Fusarium disease of maize. Agr. Gaz. N.S.W. 44: 895-897. illus. D.1, 1933. no.12.

A preliminary note on the pathogenicity of *Fusarium moniliforme* (Sheld.) var. *subglutinans* Wr. & Eg., and on the occurrence of its hitherto unrecorded ascigerous stage, *Gibberella fujikuroi* (Saw.) Wr. var. *subglutinans* n.comb.

Hynes, H. J.

"Purple patch" of wheat and oats. A disease caused by the fungus *Rhizoctonia solani*. Agr. Gaz. N.S.W. 44: 879-883. illus. D.1, 1933. no.12.

Macindoe, S. L., Shirlow, N.S. & Darragh, W. H.

Leaf or crown rust of oats. Field observations on resistance of varieties. Agr. Gaz. N.S.W. 44: 887-894. illus. D.1, 1933. no.12.

Magee, C. T.

Whiptail disease of cauliflowers can almost be eliminated by liming. Agr. Gaz. N.S.W. 44: 911-914. illus. D.1, 1933. no.12.

Agr. Journ. Dept. Sci. & Agr. Barbados (8B23)

McIntosh, A. E. S.

Sugar cane. In his Report of the geneticist for the year 1932-33. Agr. Journ. Dept. Sci. & Agr. Barbados 2(3): 1-26. Jl. 1933.

Observations on gumming disease (*Bacterium vascularum*) p.17-18. Disease of sugar cane seedlings in the potted stage (p.25-26).

Amer. Fertilizer (57.8Am3)

Beaumont, A. B. & Moore, W.J.

The absorption and assimilation of ammoniac and nitric nitrogen by plants. Amer. Fertilizer 79: 7-9, 24-27. D.30, 1933. no.14.

362150  
350-374



Amer. Journ. Bot. (450Am36)

Evans, M. W.

The production of timothy pollen. Amer.  
Journ. Bot. 21: 34-41. Ja. 1934. no.1.

Johnson, B.

Concentration of the virus of the mosaic of  
tobacco. Amer. Journ. Bot. 21: 42-53. Ja. 1934.  
no.1.

Long, F.L. & Clements, F. E.

The method of collodion films for stomata.  
Amer. Journ. Bot. 21: 7-17. illus. Ja.1934. no.1.

Loomis, W. E.

Daily growth of maize. Amer. Journ. Bot.  
21: 1-6. diags. Ja. 1934. no.1.

Mains, E. B.

Host specialization in the rust of iris, *Puccinia*  
*iridis*. Amer. Journ. Bot. 21: 23-33. illus.  
Ja. 1934. no.1.

Wodehouse, R. P.

An oil drop theory of pollen-grain pattern  
formation. Amer. Journ. Bot. 21: 18-22. illus.  
Ja. 1934. no.1.

Amer. Journ. Sci. (New Haven) (470Am34)

Peck, R. E.

Late Paleozoic and early Mesozoic Charophyta.  
Amer. Journ. Sci. 27: 49-55. illus. Ja. 1934.  
no.157.

Amer. Nat. (470Am36)

Altenburg, E.

A theory of hermaphroditism. Amer. Nat. 68:  
88-91. Ja./F. 1934. no.714.

Goldschmidt, R.

The influence of the cytoplasm upon gene-  
controlled heredity. Amer. Nat. 68: 5-23. Ja./F.  
1934. no.714.

Riley, H. P.

A further test showing the dominance of self-  
fertility to self-sterility in shepherd's purse.  
Amer. Nat. 68: 60-64. Ja./F. 1934. no.714.



Amer. Nat. (cont.)

Sax, K.

Interlocking as a "demonstration" of the occurrence of crossing-over. Amer. Nat. 68: 95-96. Ja./F. 1934. no.714.

Ann. Inst. Pasteur (Paris) (448.3An75)

Petter, H. F. M.

Contribution a l'étude cytologique de Sarcina gigantea. Ann. Inst. Pasteur 51: 742-760. illus. D.1933. no.6.

Ann. Rep. Dept. Agr. & Stock Queensland (23Q3)

Simmonds, J. H.

The work of the pathological branch. Ann. Rep. Dept. Agr. & Stock Queensl. 1932/33: 61-63. 1933.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Aye, D.

Ein flüchtiges alkaloid in der lorchel, Helvella esculenta. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 537-539. D. 1933. no.9.

Goebel, H.

Der einfluss des keimdrüsenhormons auf blüte und ertrag von pflanzen. Arch. Pharm. & Ber. Deut. Pharm. Ges. 271: 552-558. pl.i-iii. D. 1933. no.9.

Arch. Protistenk. (Jena) (439.8Ar2)

Bhâdradwâja, Y.

False branching and sheath-structure in the Myxophyceae, with special reference to the Scytonemataceae. Arch. Protistenk. 81: 243-283. illus. 1933. no.2.

Lorenz, F.

Beiträge zur entwicklungsgeschichte von Sphaerobolus. Arch. Protistenk. 81: 361-398. illus. 1933. no.2.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y. and others.

Untersuchungen über flechtenstoffe. XXXII-XXXIII. Ber. Deut. Chem. Ges. 66: 1910-1912, 1959-1964. D.6, 1933. no.12.

XXXII. Ueber tenuiorin, einen monomethyläther-gyrophorsäure-methylester. XXX. Ueber die enzymatische spaltung der flechten-depside und verwandte verbindungen.



- Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. (442.9C14)  
Snow, M. & Snow, R.  
The interpretation of phyllotaxis. Biol.  
Rev. & Biol. Proc. Cambridge Phil. Soc. 9: 132-  
137. Ja. 1934. no.1.
- Bol. Dir. Serv. Agr. e Comér. Angola (Luanda) (24An432)  
Grossweiler, J.  
Contribuição para o estudo da flora dos Dem-  
bos. Bol. Dir. Serv. Agr. e Comér. Angola  
3(8/12,1930): 89-96. 1933.
- Sousa, A. de G. G.e.  
Contribuição para o estudo da flora do dis-  
trito de Mossamedes. Bol. Dir. Serv. Agr. e  
Comér. Angola 3(8/12,1930): 75-86. 2 pl. (1  
fold.) 1933.
- Bol. Soc. Españ. Hist. Nat. (Madrid) (506M263B)  
Albo, J. G.  
Datos cuantitavos del pinetum pinastri,  
estratificación y tipología de su suelo. Bol.  
Soc. Españ. Hist. Nat. 33: 145-154. pl.v.  
Ap. 1933. no.4.
- González Guerrero, P.  
Mezclas botánicas. Bol. Soc. Españ. Hist. Nat.  
33: 139-144. illus. Ap. 1933. no.4.
- Huguet del Villar, E.  
Sobre el habitat calizo de Pinus pinaster.  
Bol. Soc. Españ. Hist. Nat. 33: 133-138. Ap. 1933. no.4.
- Bot. Arch. (Leipzig) (450B6526)  
Eßhm, A.  
Zur verbreitung einiger dinoflagellaten im  
Südatlantik. Bot. Arch. 35: 397-407. illus.  
N. 1933. no.4.
- Matzeneuer, L.  
Die dinoflagellaten des Indischen ozeans.  
(Mit ausnahme der gattung Ceratium). Bot. Arch.  
35: 437-510. illus. N. 1933. no.4.
- Reuter, F.  
Beiträge zur untersuchungen der böden auf ihre  
phosphorsäure-düngebedürftigkeit mittels des  
bakteriums Azotobakter chroococcum und des schimmel-  
pilzes Aspergillus niger. Bot. Arch. 35: 511-590.  
fold.tab. N. 1933. no.4.



Bot. Arch. (cont.)

Schirmacher, H.

Untersuchungen über die tagesperiodischen  
bewegungen gelenkloser pflanzen. Bot. Arch.  
35: 408-436. illus. N. 1933. no.4.

Bull. Mysore Coffee Exp. Stat. (Bangalore City) (68.29In22)

Mayne, W. W., Narasimhan, M. J. & Sreenivasan, K.H.  
Spraying of coffee in south India. Bull.  
Mysore Coffee Exp. Stat. no.9. 69 p. plates.  
1933.

Bull. Independent Biol. Lab. Tel-Aviv (442.9T23)

Carmin, J.

Palestinian plants, their biology, diseases  
and cryptogamic inhabitants. I. Asphodelus micro-  
carpus. Reprinted, from Acta Soc. Bot. Polon 10:  
297-306. illus. 1933, as Bull. Independent Biol.  
Lab. Tel-Aviv. no.9.

Bull. Pop. Inform. Arnold Arb. (99.9Ar6B)

Anderson, E. & Judd, W. H.

Fothergilla major. Bull. Pop. Inform. Arnold  
Arb. IV,1: 61-64, incl. port., suppl. pl. D.29, 1933.

Bull. Soc. Chim. France (Paris) (383P21B)

Hasenfratz, V.

Sur la sempervirine, alcaloïde non oxygéné  
de Gelsemium sempervirens. Bull. Soc. Chim. France  
IV,53: 1084-1087. O. 1933. no.10.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9Sol25)

Chabrolin, C.

Note sur la flore des Iles de la Galite et du  
Galiton. Bull. Soc. Hist. Nat. Afr. Nord. 24:233-  
242. Jl. 1933. no.7.

Laumont, P.

Contribution à l'étude des hybrides naturels  
de blé et d'égylope. Bull. Soc. Hist. Nat. Afr.  
Nord 24: 179-183. pl. xi. Jl. 1933. no.7.

Laumont, P.

Observations sur L'apparition de quelques  
formes tendroïdes dans la descendance (F 4) de  
l'hybride Aegylops triuncialis L. ♀ x Triticum  
durum Desf. ♂ Bull. Soc. Hist. Nat. Afr. Nord.  
24: 184-187. pl.xii. Jl. 1933. no.7.

Maire, R.

Contributions à l'étude de la flore de  
l'Afrique du Nord. 20. Bull. Soc. Hist. Nat.  
Afr. Nord 24: 194-232. Jl. 1933. no.7.



Bull. Torr. Club (451T63B)

Gleason, H. A.

The genus *Macairea* DC. in northern South America. Bull. Torr. Club 61: 35-40. Ja. 1934. no.1.

Ojerholm, E.

Multiciliate zoospores in *Physoderma zeae-maydis*. Bull. Torr. Club 61: 13-18. Ja. 1934. no.1.

Sinnott, E. W. & Kaiser, S.

Two types of genetic control over the development of shape. Bull. Torr. Club 61: 1-7. illus. Ja.1934. no.1.

Experiments with *Cucurbita* and *Capsicum*.

Sperry, O. E.

The rate of growth of the ponderosa pine in Estes Park, Colorado. Bull. Torr. Club 61: 19-34. Ja. 1934. no.1.

Steil, W. N.

The archegonia of *Pellaea viridis* (Forsk.) Prantl. Bull. Torr. Club 61: 9-12. illus. Ja. 1934. no.1.

Cactus (Mont. St. Amand, Belg.) (450C112)

Guillaumin, A.

Une curieuse espèce nouvelle d'euphorbe de Madagascar. Cactus (Mont St. Amand, Belg.) 3(6): 3-4. illus. D. 1933.

*Euphorbia decaryi*.

Van de Weghe, G.

*Rebutias* (K. Schumann). Cactus (Mont. St. Amand, Belg.) 3(6): 4-8. illus. D.1933.

O Campo (Rio de Janeiro) (9.9C15)

Pesce, C.

Sementes oleaginosas da Amazonia [cont.] O Campo 4(11): 26-27. illus., 4(12): 20-21. illus. N., D. 1933. no.11,12.

Canad. Flor. (Peterboro, Ont.) (80C163)

Brierley, P.

*Dahlia mosaic* and its relation to stunt. Canad. Flor. 29: 4, 9. Ja.9, 1934. no.1.





Bull. Torr. Club (451T63B)

Gleason, H. A.

The genus *Macairea* DC. in northern South America. Bull. Torr. Club 61: 35-40. Ja. 1934. no.1.

Ojerholm, E.

Multiciliate zoospores in *Physoderma zeae-maydis*. Bull. Torr. Club 61: 13-18. Ja. 1934. no.1.

Sinnott, E. W. & Kaiser, S.

Two types of genetic control over the development of shape. Bull. Torr. Club 61: 1-7. illus. Ja. 1934. no.1.

Experiments with *Cucurbita* and *Capsicum*.

Sperry, O. E.

The rate of growth of the ponderosa pine in Estes Park, Colorado. Bull. Torr. Club 61: 19-34. Ja. 1934. no.1.

Steil, W. N.

The archegonia of *Pellaea viridis* (Forsk.) Prantl. Bull. Torr. Club 61: 9-12. illus. Ja. 1934. no.1.

Cactus (Mont. St. Amand, Belg.) (450C112)

Guillaumin, A.

Une curieuse espèce nouvelle d'euphorbe de Madagascar. Cactus (Mont St. Amand, Belg.) 3(6): 3-4. illus. D. 1933.

*Euphorbia decaryi*.

Van de Weghe, G.

*Rebutias* (K. Schumann). Cactus (Mont. St. Amand, Belg.) 3(6): 4-8. illus. D. 1933.

O Campo (Rio de Janeiro) (9.2C15)

Pesce, C.

Sementes oleaginosas da Amazonia [cont.] O Campo 4(11): 26-27. illus., 4 (12): 20-21. illus. N., D. 1933. no.11,12.

Canad. Flor. (Peterboro, Ont.) (80C163)

Brierley, P.

*Dahlia* mosaic and its relation to stunt. Canad. Flor. 29: 4, 9. Ja. 9, 1934. no.1.

Canad. Flor. (cont.)

Zimmerman, P. W. & Crocker, W.

Injurious effect of mercury vapor in soil.

Canad. Flor. 28: 397-398. D.26, 1933. no.26.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Johnson, L. P. V.

Studies on the inheritance of covered smut reaction, lemma color, awn development and rachilla pubescence in oats. Canad. Journ. Res. 9: 519-541. D. 1933. no.6.

Leggatt, C. W.

A further note on catalase activity as a measure of seed viability. Canad. Journ. Res. 9: 571-573. D. 1933. no.6.

McCalla, A. G.

The effect of nitrogen nutrition on the protein and non-protein nitrogen of wheat. Canad. Journ. Res. 9: 542-570. D.1933. no.6.

La Cellule (Lierre, Belgium) (442.8C33)

Mol, W. E. de.

Mutation sowohl als modifikation durch röntgenbestrahlung und die "teilungshypothese".

La Cellule 42: 151-162. pl. 1933. no.2.

Vandendries, R. & Brodie, H.J.

Nouvelles investigations dans le domaine de la sexualité des basidiomycètes et étude expérimentale des barrages sexuels. I-II. La Cellule 42: 165-210. illus., fold.pl. 1933. no.2.

I. Choix d'un matériel. Essais sur la germination des spores. II. Etude expérimentale du barrage sexuel.

Compt. Rend. Acad. Agr. France. (Paris) (14P215Bc)

Bertrand, G. & Andreitcheva, M.

Sur le zinc dans les feuilles. Compt. Rend.

Acad. Agr. France 19: 1101-1104. D.20, 1933. no.31.

Compt. Rend. Acad. Sci. Paris (505P21)

Blaringhem, L.

La fièvre des Arum. Compt. Rend. Acad. Sci. Paris 197: 1551-1554. D.13, 1933. no.25.

Chouard, P.

Intervention de l'épiderme dans la formation de bulbilles sur les feuilles vertes de liliacées. Compt. Rend. Acad. Sci. Paris 197: 1685-1688. illus. D.18, 1933. no.25.



Compt. Rend. Acad. Sci. Paris (cont.)

Colin, H. & Guéguen, E.

Le floridoside chez les floridées. Compt.  
Rend. Acad. Sci. Paris 197: 1688-1690. D.18,  
1933. no.25.

Murel-Py, G.

Sur la possibilité de déshydrater les vacuoles  
du pollen de *Nicotiana glauca*. Compt. Rend. Acad.  
Sci. Paris 197: 1690-1692. illus D.18, 1933.  
no.25.

Lederer, E.

Sur les caroténoïdes d'une levure rouge  
(*Torula rubra*). Compt. Rend. Acad. Sci. Paris  
197: 1694-1695. D.18, 1933. no.25.

Vernadsky, W., Brunovsky, B. & Kunaševa, C.

Sur le mesothorium "gamma" dans les Lemna.  
Compt. Rend. Acad. Sci. Paris 197: 1556-1557.  
D.18, 1933. no.25.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Chaze, J.

Sur les divers aspects du système vacuolaire  
et sur leurs modifications dans les cellules  
épidermiques de *Musa ensete*. Compt. Rend. Soc.  
Biol. Paris 114: 1068-1071. illus 1933. no.37.

Lenoir, M.

Phénomènes d'apparence électromagnétique,  
observés sur le vivant, pendant la sporogénèse  
chez l'*Equisetum hiemale* L. Compt. Rend. Soc. Biol.  
Paris 114: 1016-1018. 1933. no.36.

Deut. Landw. Presse (Berlin) (18D482)

Appel, O.

Gräserkrankheiten. Deut. Landw. Presse 60: 50-  
51. suppl. col.pl. D.23, 1933. no.51.

Fischer, W.

Markstammkohlkrankheiten. Deut. Landw.  
presse 60: 281-282. illus. Je.3, 1933. no.22.

Geheimrat Busse. Der deutsche vertreter im  
Internationalen Landwirtschafts-institut in Rom.  
Deut. Landw. Presse 60: 650. D.23, 1933.

Died at age of 68 years, Dec.14, 1933.



Deut. Landw. Presse (cont.)

Pape, H.

Weitere markstammkohl-krankheiten. Deut.  
Landw. Presse 60: 631. illus. D.16, 1933. no.50.

Empire Journ. Exp. Agr. (Oxford) (10Em7)

Chittenden, R. J.

The asexual propagation of Hevea. Empire  
Journ. Exp. Agr. 1: 307-315. D.1933. no.4.

Evans, I. B. P.

Agricultural possibilities of some of the  
African grasses. Empire Journ. Exp. Agr. 1:  
341-346. pl.27-29. D. 1933. no.4.

Nutman, F. J.

The root-system of *Coffea arabica*. II. The  
effect of some soil conditions in modifying the  
"normal" root-system. Empire Journ. Exp. Agr.  
1: 285-296. D.1933. no.4.

Farming So. Africa. (Pretoria) (24So842)

Evans, I. B. Pole-

Plant pathology and mycology. In his Ann. Rep.  
Div. Plant.Ind. 1932/33. Farming So. Africa 8:  
493. D.1933. no.93.

Flora (Jena) (v.128 -Festschrift zum siebzigsten geburtstage von  
George Kartsen) (450F66)

Benecke, W.

Die vegetation der sandplate Lütje Hörn bei  
Borkum im September 1932. Flora 128(n.s.28):  
1-13. illus. (maps) 1933.

Darbishire, O. V.

Beobachtungen an der flechte *Solorina crocea*  
(L) Ach. Flora 123(n.s.28): 14-27. pl.i.  
1933.

Harder, R., Filzer, P. & Lorenz, A.

Notizen über evaporation und transpiration in  
der algerischen Wüste bei Beni Unif. Flora  
128(n.s.28): 34-49. illus. 1933.

Mägdefrau, K.

Ueber die ca- und mg-albagerung bei den  
corallinaceen des Golfes von Neapel. Flora  
128(n.s.28): 50-57. 1933.

Mothes, K.

Sauerstoffpotential und eiweissumsatz im  
laubblatt. Flora 128(n.s.28): 58-98. 1933.



Flora (cont.)

Nuernbergk, E.

Ueber den auxin-quertransport und den geotropismus der Avena-koleoptile: einflüsse der dekapitation. Flora 128(n.s.28): 99-110. 1933.

Pringsheim, E. G. & Schwarz, W.

Das auftreten weissbunter (panaschierter) pflanzen in der natur. Flora 128(n.s.28): 111-122. pl. iii. 1933.

Renner, O.

Zur kenntnis der gigas- und hemigigas-typen bei Oenothera. Flora 128(n.s.28): 123-144 pl. iv-v. 1933.

Roemer, T.

Immunitätszuchtung. Eine zusammenfassende darstellung 14 jähriger arbeiten aus dem gebiete der biologie (1920-1933). Flora 128(n.s.28): 145-196. illus. 1933.

Schmalfuss, K.

Einige beobachtungen über salzwirkungen in wasserkulturen. Flora 128(n.s.28): 197-210. illus. 1933.

Schmid, G.

Die verpilzung aërophiler algen. Zum flechtenproblem. Flora 128(n.s.28): 211-234. illus. 1933.

Schmidt, P.

Neue ergebnisse zur biologie und karyologie der Biddulphia sinensis Greville. Flora 128(n.s.28): 235-268. pl. vi-vii. 1933.

Sierp, H.

Untersuchungen über die öffnungsbewegung der stomata in verschiedenen spektralbezirken. Flora 128(n.s.28): 269-285. illus. 1933.

Tobler, F.

Beiträge zur ökologie und biologie brasilianischer podostemonaceen. Flora 128(n.s.28): 286-300. illus., pl. viii. 1933.



Flora. (cont.)

Troll, W.

Botanische mitteilungen aus den tropen. VIII-XII.  
Flora 128(n.s.28): 301-360. illus., pl.ix-xii.  
1933.

VIII. Ueber *Acrostichum aureum* L., *Acrostichum speciosum* Willd. und neotene formen des letzteren.  
IX. *Dryopteris sumatrana* v. A. v. R., ein neuer schleimfarn aus dem Ostindischen Archipel. X. Eine neue *Schizaea*-art der *Digitata*-gruppe. [S. *spirophylla*] XI. Fertilitat auf dem jugenstadium bei *Gelichenia vulcanica* Bl. XII. *Camptostemon schultzei* Mast. und *Camptostemon philippinensis* (Vid.) Becc. als neue vertreter der austral-asiatischen mangrove-vegetation.

Gard. Chron. (London) (80G162)

Bagenal, M. B.

Thomas Andrew Knight. Gard. Chron. III, 94:  
457-458. D.16, 1933. no.2451.

Balls, E. K.

In search of rare plants in Turkey. Gard. Chron.  
III, 94: 474-477. D.23, 1933. no.2452.

Friend, H.

Herbals and herbalists. II. The Homeric age.  
Gard. Chron. III, 94: 470-471. D. 23, 1933. no.2452.

Redgrove, H. S.

The thorn apple. Gard. Chron. III, 94: 456-457.  
D.16, 1933. no.2451.

*Datura stramonium*.

Salmon, E. S. & Ware, W. M.

The plum rust on apricot and peach. Gard.  
Chron. III, 94: 490-492. illus. D.30, 1933, no.2453  
*Puccinia pruni-spinosae*.

Ward, F. K.

Mr. F. Kingdon Ward's eleventh expedition in  
Asia. XLIV-V. Gard. Chron. III, 94: 454-455, 488.  
illus. D.16,30, 1933. no.2451,2453.

Gard. Chron. Amer. (80G1632)

Michels, C. A.

Ethylene gas. A stimulant for root development  
and plant growth. Gard. Chron. Amer. 38: 14-16.  
illus. Ja. 1934. no. 1.



Gard. Illus. (London) (80G169)

Breeding Nerines. Gard. Illus. 55: 725-726.  
illus. D.16, 1933. no.2558.

Genetics (442.8G28)

Briggs, F. N.

Inheritance of resistance to bunt, *Tilletia tritici*, in Sherman and Oro wheat hybrids.  
Genetics 19: 73-82. Ja. 1934. no.1.

Cleland, R. E. & Brittingham, W. H.

A contribution to an understanding of crossing over with chromosome rings of *Oenothera*. Genetics 19: 62-72. illus. Ja. 1934. no.1.

Indian.For. (Dehra Dun) (99.8In2)

Venkata Rao, M. G.

A preliminary note on the leaf-curl mosaic disease of sandal. Indian For. 59: 772-777. pl.36-37. D. 1933. no.12.

Indian Journ. Agr. Sci. (Calcutta) (22Ag831)

Afzal, M.

A note on a growth abnormality of Punjab-American cottons. Indian Journ. Agr. Sci. 3: 933. O. 1933. no.5.

Ayyangar, G. N. R. & Krishnaswamy, N.

A note on the chromosome numbers in cluster beans, *Cyamopsis psoralioides* D.C. Indian Journ. Agr. Sci. 3: 934-935. O.1933. no.5.

Dey, P. K.

An *Alternaria* blight of the linseed plant. Indian Journ. Agr. Sci. 3: 881-896. illus., pl.lxx-lxxi. O. 1933. no.5.

*A.lini*, n.sp.

McRae, W. & Subramaniam, L. S.

Effect of mosaic on the tonnage and the juice of sugarcane in Pusa. III. Indian Journ. Agr. Sci. 3: 870-880. O. 1933. no.5.

Mohammad, A. & Alam, Z.

Types of *Sesamum indicum* D.C. in the Punjab. Indian Journ. Agr. Sci. 3: 897-911. pl.lxxii-lxxiv (1 col.) O. 1933. no.5.

Ramiah, K. & Parthasarathi, N.

Inheritance of grain length in rice (*Oryza sativa* L.) Indian Journ. Agr. Sci. 3: 808-819. O. 1933. no.5



Indian Journ. Agr. Sci. (cont.)

Shaw, F. J. F. & Bose, R. D.

Studies in Indian oats, I-11. Indian Journ. Agr. Sci. 3: 754-770, 771-807. illus., pl. lxi-lxiv. O.1933. no.5.

I. The improvement of the crop by selection and the acclimatization of exotic types. II. Inheritance of some characters in interspecific crosses between *Avena sativa* L. and *Avena sterilis* L. var. *culta*.

Stevens, F. L. & Peirce, A. S.

Fungi from Bombay. Indian Journ. Agr. Sci. 3: 912-916. O. 1933: no.5.

Intern. Bull. Plant Prot. (464.8In8)

Gailitis, L.

Latvia: The destruction of barberry and buck thorn. Intern. Bull. Plant Prot. 7: 269-70. D. 1933. no.12.

Mallamaire, A.

French West Africa: Parasites of plants cultivate in the Ivory Coast. Intern. Bull. Plant Prot. 7: 266-268. D. 1933. no.12.

Stevens, N. E.

United States of America: Further distribution of tobacco downy mildew in 1933. Intern. Bull. Plant Prot. 7: 268-269. D.1933. no.12.

Iowa State Coll. Journ. Sci. (Ames, Ia.) (470Io9)

Suit, R. F.

*Pseudomonas rhizogenes*, R.B.W.K. & S.; its host relations and characteristics. Iowa State Coll. Journ. Sci. 8: 131-172. vi plates. O.1933. no.1.

Izv. Gosud. Geogr. Obsch. (Izv. Soc. Russe Géogr.) (Leningrad)  
(511L546)

Sochava, V. B.

Tundry basseina reki Anabary (Tundren des Anabara-flussbeckens) Izv. Gosud. Geogr. Obsch. (Izv. Soc. Russe Géogr.) 65: 340-364. illus. (map) fold. map.) 1933. no.4.

Russian with German summary.



Izv. Gosud. Geogr. Obsch. (Izv. Soc. Russe Géogr.) (cont.)  
Rodin, L. E.

Botaniko-geograficheskiĭ ocherk Lepsinskogo raïona Dzhungarskogo Ala-Tau (Botanisch-geographische uebersicht des Lepsinsk gebiets in Dsungarei Ala-Tau). Izv. Gosud. Geogr. Obsch. (Izv. Soc. Russe Géogr.) 65: 296-319. 1933.

Russian with German summary:

Journ. Agr. Prat. (Paris) (14J82)

Ballu, T.

Essais de séparateurs d'ail. Journ. Agr. Prat. 97(1): 497-498. D.16, 1933. no.50.

Fron, G.

Le chlorate et la destruction des renoncules. Jour. Agr. Prat. 97(1): 499-501. D.16, 1933. no.50.

Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)

Fischer, L. & Lynn, E. V.

Licorice fern and wild licorice as substitutes for licorice. Journ. Amer. Pharm. Assoc. 22: 1225-1230. D.1933. no.12.

Polypodium vulgare var. occidentale, Glycyrrhiza lepidota.

Journ. Counc. Sci. & Industr. Res. Austral. (Melbourne)  
(514Au72J)

Barnard, C. & Thomas, J. E.

Fruit bud studies. II. The Sultana: differentiation and development of the fruit buds. Journ. Counc. Sci. & Industr. Res. Australia 6: 285-294. N.1933. no.4.

Cummins, J. E.

Blue stain in Pinus radiata (insignis) timber. Some preliminary experiments with case stock. Journ. Counc. Sci. & Industr. Res. Australia 6: 244-252. No.1933. no.4.

Hill, A. V. & Angell, H. R.

Downy mildew (blue mould) of tobacco. I-III. Journ. Counc. Sci. & Industr. Res. Australia 6: 260-268. illus. N. 1933. no.4.

I. The influence of over-wintered plants. II. Wild hosts. III. Spraying.



Jour. Dept. Agr. So. Australia (Adelaide) (23S084)

Geach, W. L.

Foot and root rots of wheat in Australia.

Journ. Courc. Sci. & Industr. Res. Australia.

6: 269-278. N. 1933. no.4.

The influence of the combined action of  
*Fusarium culmorum* (W.G. Sm.) Sacc. and *Urocystis*  
*tritici* Koern. on the occurrence of seedling blight.

Trumble, H. C.

The agricultural features of *Phalaris tuberosa*  
and allied forms. Journ. Dept. Agr. So. Australia  
37: 400-425. illus. N.15, 1933. no.4.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)

Fish, S.

Brown rot of cherries. Journ. Dept. Agr.

Victoria 31: 608, 618. illus. D. 1933. no.12.

Jewell, W. R.

Chemical composition of passion fruit.

Journ. Dept. Agr. Victoria 31: 609. D.1933. no.12.

Journ. For. (Washington, D.C.) (99.8F768)

Abell, C. A.

Influence of glaze storms upon hardwood forests  
in the southern Appalachians. Journ. For. 32:35-  
37. illus. Ja. 1934. no.1.

Bidwell, C. B. & Bramble, W. C.

The strumella disease in southern Connecticut.

Journ. For. 32: 15-23. illus. Ja. 1934. no.1.

Boyce, J. S.

A canker of Douglas Fir associated with

*Phomopsis lokoyae*. Journ. For. 31: 664-672.

illus. O. 1933. no.6.

Journ. For. Suisse (Berne) (99.8J82)

Badoux, H.

M. le Dr. Hermann Christ, botaniste. (1833-1933).

Journ. For. Suisse 85: 1-3. port. Ja.1934. no.1.

Died N.23, 1933.

Journ. Genetics (London) (442.8J823)

Crane, M. B. & Lawrence, W.J.C.

Genetical studies in cultivated apples.

Journ. Genetics 28: 265-296. pl.ix-x. (1 col.)

D. 1933. no.2.



Journ. Genetics (cont.)

Darlington, C. D.

Studies in *Prunus* IV. Journ. Genetics 28:  
327-328. illus. D.1933. no.2.

Harland, S. C.

The genetics of cotton. IX. Further experiments  
on the inheritance of the crinkled dwarf mutant of  
*G. barbadense* L. in interspecific crosses and their  
bearing on the Fisher theory of dominance. Journ.  
Genetics 28: 315-325. pl. xi. D.1933. no.2.

Jenkin, T. J.

Interspecific and intergenetic hybrids in  
herbage grasses. Initial crosses. Journ.Genetics.  
28: 205-264. D.1933. no.2.

Philp, J.

The genetics of *Papaver commutatum* and its  
hybrids with *Papaver rhoeas*. Journ. Genetics  
28: 169-174. D.1933. no.2.

Philp, J.

The genetics of *Papaver rhoeas* and related  
forms. Journ. Genetics 28: 175-203. pl. viii.  
(col) D.1933. no.2.

Journ. Indian Bot. Soc. (Madras) (450J821)

Ekambaram, T. & Madhusudana Rao, I.

Studies in absorption and transpiration. I. Cut  
shoots treated with 20 per cent formalin.  
Journ. Indian Bot. Soc. 21: 293-324. illus. N.  
1933. no. 3/4.

Ekambaram, R. & Venkatanathan, T. N.

Studies on *Isoetes coromandelina* L. I Sporo-  
genesis. Journ. Indian Bot. Soc. 12: 191-225.  
illus., v plates. N. 1933. no. 3/4.

Iyengar, M. O. P.

On the formation of gametes in a *Caulerpa*.  
Journ. Indian Bot. Soc. 12: 325. N.1933. no.3/4.  
Preliminary note.

Joshi, A. C.

Some abnormal flowers of *Argemone mexicana*,  
Linn. Journ. Indian Bot. Soc. 255-271.  
illus., pl. N.1933. no.3/4.



Journ. Indian Bot. Soc. (cont.)

Malhotra, R. C.

Changes in plants during low temperatures.

III. Some chemical and anatomical changes in plants grown under controlled temperatures. Journ. Indian Bot. Soc. 12: 273-285. N.1933. no.3/4.

Mullan, D. P.

Observations on the biology and physiological anatomy of some Indian halophytes. (cont.)

Journ. Indian Bot. Soc. 12: 235-253. x plates. N. 1933. no.3/4.

Parija, P. & Misra, P.

The root-thorn of *Bridelia pubescens*, Kurz.

Journ. Indian Bot. Soc. 12: 227-233. illus., ii plates. N. 1933. no.3/4.

Rau, N. S.

A note on the emission of globules of basophilic material from the nucleus into the cytoplasm during the telophase of nuclear division. Journ. Indian Bot. Soc. 12: 287-292. pl. N.1933. no.3/4.

Journ. N.Y. Gard. (89N48J)

Small, J. K.

An Everglade cypress swamp. Journ.N.Y. Bot. Gard. 34: 261-267. illus. D.1933. no.408.

Near Royal Palm Hammock, Dade Co., Fla.

Woodward, C. H.

New hybrid poplars for reforestation. Journ.

N.Y. Bot. Gard. 34: 268-270. D.1933. no.408.

Journ. Pomol. & Hort. Sci. (London) (80J825)

Abdel-Salam, M. M.

Damping-off and other allied diseases of lettuce

Journ. Pomol. & Hort. Sci. 11: 259-275. ii pl. D. 1933. no.4.

Grubb, N. H.

Cherry stocks at East Malling. I.Stocks for

Morello cherries. Journ. Pomol. & Hort. Sci.

11: 276-304. ii pl. D.1933. no.4.

Hatton, R. G.

"Free" or seedling rootstocks in use for pears:

Their description, selection, vegetative propagation and preliminary testing. Journ. Pomol. & Hort.

Sci. 11: 305-334. vi pl. D.1933. no.4.



Journ. Roy. Hort. Soc. (London) (84L84J)

Bedbrook, C. T. W.

The modern hybrid *Streptocarpus*. Journ. Roy. Hort. Soc. 58: 8-10. pl. F. 1933. no.1.

Chittenden, F. J.

*Wahlenbergias*. Journ. Roy. Hort. Soc. 58: 1-7. col. front. F.1933. no.1.

Cook, H. H.

The cultivation of violets. Journ. Roy. Hort. Soc. 58: 115-124. F. 1933. no.1.

Green, D. E.

A lupin disease due to *Ceratophorum setosum* (Kirchner) a fungus new to Great Britain. Journ. Roy. Hort. Soc. 58: 144-145. 2 pl. F. 1933. no.1.

Pugsley, H. W.

A monograph of *Narcissus*, subgenus *Ajax*. Journ. Roy. Hort. Soc. 58: 17-93. illus., 16 pl. F. 1933. no.1.

Stevenson, T.

Early-flowering chrysanthemums. Journ. Roy. Hort. Soc. 58: 94-102. F. 1933. no.1.

Warburg, O. & Warburg, E. F.

Oaks in cultivation in the British Isles. Journ. Roy. Hort. Soc. 58: 176-189. 14 pl. F. 1933. no.1.

Ward, F. K.

Plant collecting at the source of the Irrawaddy. Journ. Roy. Hort. Soc. 58: 103-114. F. 1933. no.1.

Wilson, G. F.

Pollination in orchards. VIII. Insect visitors to fruit blossoms. Journ. Roy. Hort. Soc. 58: 125-138. F. 1933. no.1.

Contr. Wisley Lab. LXV.

Kosmos. (Stuttgart) (474K842)

Nicklitschek, A.

Wie die pflanze ihre lebensstätigkeiten regelt: die sinnreiche einrichtung der spaltöffnungen.

Kosmos 31: 21-27. illus. Ja. 1934. no.1.



- Landbouwk. Tijdschr. Wageningen (105.20r3)  
Kramer, M.  
Modificatieverschijnselen bij grassen.  
Landbouwk. Tijdschr. Wageningen. 45: 788-793.  
illus. D, 1933. no.553.
- Landw. Jahrb. Schweiz. (Bern) (17L23)  
Kobel, F. & Steinegger, P.  
Die befruchtungsverhältnisse schweizerischer  
kirschensorten. Landw. Jahrb. Schweiz. 47: 973-  
1018. illus. 1933. no.9.  
French Résumé: p.1017.
- Lily Year-Bk. Roy Hort. Soc. (97R812)  
Cotton, A. D.  
The detection and control of lily diseases.  
Lily Year-Bk. Roy.Hort.Soc. 1933: 194-214.  
illus. 1933.
- Griffiths, D.  
Vegetative propagation of the lily. Lily  
Year-Bk. Roy. Hort. Soc. 1933: 104-118. illus.  
1933.
- Krelage, E. H.  
Some lilies first distributed on or from the  
continent of Europe. Lily Year-Bk. Roy.Hort.  
Soc. 1933: 131-141. illus. 1933.
- Preston, I.  
Hybridization of lilies. Lily Year-Bk.  
Roy. Hort. Soc. 1933: 173-193. illus. 1933.
- Stern, F. C.  
Propagation of lilies by seed. (Including a  
classification of lilies according to their method  
of germination). Lily Year-Bk. Roy Hort. Soc.  
1933: 119-129. illus. 1933.
- Stoker, F.  
The environment of lilies in nature. Lily  
Year-Bk. Roy. Hort. Soc. 1933: 11-57. illus.  
(maps) 4 pl. (fig.4-7). 1933.
- Stout, A. B.  
Sterilities in lilies (Lilium) Lily Year-Bk.  
Roy. Hort. Soc. 1933: 142-171. illus. 1933.



Madroño (San Francisco) (45CM26)  
Constance, L.  
Eriophyllum and Monolopia. Madroña 2: 113-115.  
Ja. 1934. no.14.

Jepson, W. L.  
The botanical explorers of California. IX.  
Charles Frederick Sonme, Nancy Jane Davis, John  
Boardman Trask. Madrona 2: 115-118. port.  
Ja. 1934. no.14.

Meded. Lab. Plantenphys. Wageningen (451W12)  
Blaauw, A. H.  
Temperatuur en tijd van den bloemaanleg bij  
bol-irissen. Reprinted from Prof. K. Akad. Weten-  
sch. Amsterdam v.36, no.6, as Meded. Lab. Planten-  
phys. Wageningen no.39, 10 p illus. 1933.

Hartsema, A. M. & Luyten, I.  
De invloed van lage temperaturen op het snelle  
strekken en bloeien van *Conwallaria majalis* I-II.  
Reprinted from Proc. K. Akad. Wetensch. Amster-  
dam. v.36, no.1 & 2, as Meded. Lab. Plantenphys.  
Wageningen no.37, 15 p. pl. 1933.  
German summary.

Nat. & Appl. Sci. Bull. Univ. Philipp. (475P532)  
Uichanco, V. B.  
A study of three species of Philippine Derris.  
Nat. & Appl. Sci. Bull. Univ. Philipp. 3: 129-239.  
pl. i-vi, map. D. 1933.  
D. elliptica, D. philippinensis, D. sp.?  
(formerly believed to be D. polyantha)

Naturaliste Canad. (Quebec) (41ON216)  
Rousseau, J.  
Essai de bibliographie botanique canadienne.  
(cont.) Naturaliste Canad. 60: 332-356. D.1933.  
no.12.

Nature (London) (472N21)  
Barton-Wright, E. & McBain, A. M.  
Possible chemical nature of tobacco mosaic  
virus. Nature 132: 1003-1004. D.30, 1933.  
no.3348.

Petersen, H. E.  
Wasting disease of eelgrass (*Zostera marina*)  
Nature 132: 1004. D.30, 1933. no.3348.  
Has always been seen in the blackened spots the  
mycelium of a fungus.



Naturwissensch. (Berlin) (474N213)

Möthes, K.

Ueber die natürliche aktivierung der pflanzlichen geweboproteinase. Naturwissensch. 21: 883. D.15, 1933. no.50.

New Phytol. (London) (450N42)

Browne, I.

The Noeggerathiae and Tingiae. The effects of their recognitions upon the classification of the Pteridophyta: An essay and review. New Phytol. 32: 344-358. illus. D.15, 1933. no.5.

Cattle, M.

Studies of the physiological importance of the mineral elements in plants. V. The distribution of diastase, invertase and catalase in normal and potassium-starved bean plants. New Phytol. 32: 364-381. illus. D.15, 1933. no.5.

Holmes, L. E.

Studies in the morphology and biochemistry of the pineapple. II. Reserves in the seeds of two genera of the Bromeliaceae and of various pineapple hybrids. New Phytol. 32: 382-392, illus. D.15, 1933. no.5.

James, W. O. & Baker, H.

Sap pressure and the movements of sap. New Phytol. 32: 317-343. illus. D.15, 1933. no.5.

Joshi, A. C. & Rao, V. S.

Floral anatomy of *Rivinia humilis* L., and the theory of carpel polymorphism. New Phytol. 32: 359-363. illus. D.15, 1933. no.5.

Norsk Havetid. (Oslo)

Schøyen, T. H.

Nematoder eller bladlar på *Chrysanthemum* og *Begonia*. Norsk Havetid. 49: 247-250. illus. D. 1933. no.12.

Obst- u. Gemüseb. (Berlin) (80P7750)

Gleisberg, W.

Die ständige allgemeine prüfung von obstbaumkarbolinen. Obst- u. Gemüseb. 79: 179-182. illus. D.15, 1933. no.12.



Obst- u. Gemüoseb. (cont.)

Goetz,

Vom bitterwerden der gurken. I. Ist plan-  
mässige erforschung des bitterwerdens der  
gurken notwendig? Obst- u. Gemüoseb. 79: 183-  
184. D.15, 1933. no.12.

Rudolff, C. F.

Professor Dr. Edwin Baur. Obst- u. Gemüoseb.  
79: 177-178. port. D.15, 1933. no.12.  
Notice of death.

Perfum. & Essent. Oil Rec. (London) (308.8P41)

Freise, F. W.

Odoriferous woods from the Brazilian virgin  
forest. II. Perfum. & Essent. Oil Rec. 24: 410-  
412. illus. D.1933. no.12.

Phosphorsäure (57.8P562)

Floess,

Der gegenwärtige stand der kartoffelschorf-  
frage. Phosphorsäure 3: 726-734. illus. 1933.  
no.11/12.

Goedewaagen, M.A.J.

Das wurzelsystem der getre. epflanzen bei  
ungleicher verteilung der nährstoffe im boden.  
Phosphorsäure 3: 688-711. illus. 1933. no.11/12.

Physis (Buenos Aires) (516Sol2)

Burkart, A.

Observaciones sobre pteridófitas platenses.  
Physis 11: 253-265. illus. O.30, 1933. no.39.

Marchionatto, J. B.

Notas sobre algunos Sclerotium parásitos de  
las plantas económicas. Physis 11: 301-305.  
no.39.

S.rolfsii, S. cepivorum, S.sp.

Meyer, T.

Dos asclepiadáceas nuevas para la flora argen-  
tina. Physis 11: 327-328. O.30, 1933. no.39.  
Orthosia melantha, O. aphylla.

Munz, P. A.

Las onagráceas de la Argentina. Physis 11:  
266-292. O.30, 1933. no.39.



Physis (cont.)

Parodi, L. R.

Los arroces de la flora argentina. Physis  
11: 238-252. illus. O.30, 1933. no.39.

Pérez Moreau, R. A.

Hydrocotyle platenses. Physis 11:332-  
345. illus. O.30, 1933. no.39.

Phytopath. (464.8p56)

Broadfoot, W. C.

On the pathogenicity of *Wojnowicia graminis*.  
Phytopath. 23: 1001-1002. D. 1933. no.12.

Duggar, B. M. & Johnson, B.

Stomatal infection with the virus of typical  
tobacco mosaic. Phytopath. 23: 934-948. D.1933.  
no.12.

Folsom, D.

*Botrytis cinerea* as a cause of potato tuber rot.  
Phytopath. 23: 993-999. illus. D. 1933. no.12.

Humphrey, H. B.

Horace Mann Woolman, 1853-1932. Phytopath.  
23: 931-933. port. D. 1933. no.12.

Jensen, J. H.

Isolation of yellow-mosaic viruses from plants  
infected with tobacco mosaic. Phytopath. 23:  
964-974. illus. D. 1933. no.12.

Kamat, M. N.

Observations on *Tolyposporium filiferum*, cause  
of "long smut" of sorghum. Phytopath. 23: 985-  
992. illus. D. 1933. no.12.

Kendrick, J. B.

Seedling stem blight of field beans caused by  
*Rhizoctonia bataticola* at high temperatures.  
Phytopath. 23: 949-963. illus. D.1933. no.12.

Stevens, N. E.

Some significant estimates of losses from  
plant diseases in the United States. Phytopath.  
23: 975-984. illus. (maps) D.1933. no.12.

Weber, G. F.

Pecans infected with *Nematospora coryli* Pe&l.  
Phytopath. 23: 1000-1001. illus. D.1933. no.12.



Phytopath. (cont.)

West, E.

Another powdery mildew on crape myrtle.

Phytopath. 23: 1002-1003. D. 1933. no.12.

Phyllactinia corylea.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Amlog, H. U.

Untersuchungen über die beziehungen zwischen  
geoelektrischem effekt und geotropismus. Planta  
Arch. Wiss. Bot. 21: 211-250. illus. D.8,  
1933. no.2.

Experiments with *Vicia faba* and *Helianthus  
annuus*.

Bünning, E.

Refraktärstadium, ermbung und narlose bei der  
seismonastie. Planta Arch. Wiss. Bot. 21: 334-352.  
D.8, 1933. no.2.

Experiments with *Sparmannia africana* and *Ber-  
beris vulgaris*.

Constantinescu, E.

Weitere beiträge zur physiologie der kalte-  
resistenz bei wintergetreide. Planta Arch. Wiss.  
Bot. 21: 304-323. D.8, 1933. no.2.

Barley.

Guttenberg, H.v.

Die reizbarkeit der catasetiden-blüten.

Planta Arch. Wiss. Bot. 21: 292-303. illus.  
D.8, 1933. no.2.

Seybold, A.

Ueber die optischen eigenschaften der laub-  
blätter. IV. Planta Arch. Wiss. Bot. 21: 251-265.  
illus. D.8, 1933. no.2.

Troll, W.

Beiträge zur morphologie des gynaeciums. III.  
Ueber das gynaecium von *Nigella* und einiger anderer  
helleboreen. Planta Arch. Wiss. Bot. 21: 266-291.  
illus. D.8, 1933. no.2.

Proc. Imp. Acad. Tokyo (513T576)

Nagai, H.

On a new species of *Cynathra* from the Kurile  
Islands. Proc. Imp. Acad. Tokyo 9: 531-534.  
illus. N. 1933. no.9.

*C. fibrosa*.



Proc. Nat. Acad. Sci. (500W21P)

Rhoades, M.M.

A cytogenetical study of a reciprocal translocation in Zea. Proc. Nat. Acad. Sci. 19: 1022-1031. illus. D. 1933. no.12.

Rhoades, M.M.

A secondary trisome in maize. Proc. Nat. Acad. Sci. 19: 1031-1039. illus. D.1933. no.12.

Proc. Roy. Soc. Victoria (Melbourne) (514W482)

Fisher, E. E.

The "sooty moulds" of some Australian plants. Proc. Roy. Soc. Victoria 45: 171-202. illus., pl.ix. Ag. 1933. no.2.

Heyward, J.

Notes on a callus shoot of Eucalyptus ovata and E. diversifolia. Proc. Roy. Soc. Victoria 45: 25-27. F. 1933. no.1.

Heyward, J.

Two species of Ophiocytium Nägeli in Victoria; O. terrestre, n.sp., and O. arbuscula Rabenhorst. Proc. Roy. Soc. Victoria 45: 165-170. illus. Ag. 1933. no.2.

Patton, R. T.

Ecological studies in Victoria - The Cheltenham flora. Proc. Roy. Soc. Victoria 45: 205-218. illus. Ag. 1933. no.2.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Branas, M. & Bernon, G.

Note sur deux cas de dénérissement et leur relation avec la présence de certains champignons dans le vieux bois de la vigne. Progr. Agr. Vitic. 100: 626-628. D.24, 1933. no.52.

Joessel, P. H.

Essais de traitements contre l'Oidium ou "blanc" du melon, en 1933. Progr. Agr. & Vitic. 100: 599-603. D.17, 1933. no.51.

Protoplasma (Leipzig) (442.8P94)

Reinhard, H.

Ueber die teilung der chloroplasten. Protoplasma 19: 541-564. illus. S.1933. no.4.



Protoplasma (cont.)

Weier, T. E.

A critique of the vacuome hypothesis.

Protoplasma 19: 589-601. illus. S.1933.  
no.4.

Weier, T. E.

Note on cellular degeneration on the protonema  
of *Polytricum commune*. Protoplasma 19: 537-  
588. illus. S.1933. no.4.

Rice Bull. Dept. Agr. Brit. Guiana. (59.9B77)

Martyn, E. E.

Notes on diseases of rice. Rice Bull.  
Dept. Agr. Brit. Guiana 1: 59-60. 1933.

"Man rice" a disease having some features  
in common with "Bakanae" disease, a strain of  
*Fusarium moniliforme* isolated from base of stems.

Rassegna Econ. Colon. Italy (Roma) (261071)

Baldrati, I.

Il ricino e la sua coltivazione ed utilizzazione  
nelle colonie italiane (cont.) Rassegna Econ.

Colon. Italy 21: 930-985. illus. S./O.1933. no.9/10.

Rep. Work Agr. Res.Inst. Gt. Brit.

Gt. Brit. Ministry of agriculture and fisheries.

Dept. of agriculture for Scotland and Minis-  
try of agriculture for northern Ireland.

Entomology and plant pathology. In its re-  
ports on the work of agricultural research institutes  
... 1931/32: 135-147. 1933.

Rev. Industr. y Agr. Tucumán (Buenos Aires) (9T79)

Fawcett, G. L.

Clave para la determinación de las variedades  
de caña de azúcar cultivadas en Tucumán.

Rev. Industr. y Agr. Tucumán 23: 87-98. illus.  
My./Je. 1933. no.5/6.

Rev. Hort. (Paris) (80R32)

Bois, D.

*La Cytisus battandieri* nouvel arbuste orne-  
mental. Rev. Hort. 105: 557-559. illus. D.17,  
1933. no.24.

Delafon, J.

Le crésol dans le traitement des arbres  
fruitiers. Rev. Hort. 105: 538-539. N.16,  
1933. no.23.



Rev. Hort. (cont.)

Jahandiez, E.

Les plantes grasses autres que les cactées  
Les aloès et genres voisins (cont.) Rev.Hort.  
105: 532-33, 570-571. illus. N.16, D.16, 1933.  
no.23-24.

Rev. Vitic. (Paris) (95.8R322)

Zacharewics, E.

Maladies cryptogamiques du melon. Rev. Vitic.  
79: 400-402. D.14, 1933. no.2059.

Rhodora (Boston) (450R34)

Bemis, E. W.

New records for Worcester county, Massachusetts.  
Rhodora 36: 7-8. Ja.1934. no.421.  
Scirpus sylvaticus var. bissellii, Carex seorsa.

Fernald, M. L.

The name of the American lotus. Rhodora 36:  
23-24. Ja. 1934. no.421.

Nelumbo pentapetala (Nymphaea pentapetala)

Fernald, M. L.

Some transfers in Digitaria and Paspalum.  
Rhodora 36: 9-22. Ja. 1934. no.421.

Knowlton, C. H.

Joseph Richmond Churchill. Rhodora 36:  
1-7. ports. Ja. 1934. no.421.

Steyermark, J. A.

Range extension in Missouri for Ophioglossum  
vulgatum. Rhodora 36: 22-23. Ja.1934. no.421.  
Lincoln Co.

Thompson, J. W.

Notes on the flora of the state of Washington.  
II. Rhodora 36: 8-13. Ja. 1934. no.421.

Wilson, L. R.

The spores of the genus Lycopodium in the  
United States and Canada. Rhodora 36: 13-19.  
pl.275-277. Ja.1934. no.421.

Science (470Sci2)

Clayton, E. E. & Gaines, J. G.

Control of downy mildew disease of tobacco  
through temperature regulation. Science 78: 609-  
610. D.29, 1933. no.2035.



Science (cont.)

Copeland, H. F.

Conventions of botanical nomenclature.  
Science 79: 11-12. Ja.5, 1934. no.2036.

Hansen, H. N. & Scott, C. E.

A canker and gall disease of Gardenia.  
Science 79: 18. Ja.5, 1933. no.2036.  
Phomopsis sp.

Shirley, H. L.

A method for studying drought resistance in  
plants. Science 79: 14-16. illus. Ja.5, 1934.  
no.2036.

Science Progr. (London) (472Sci22)

Jane, F. W.

Aspects of the study of wood anatomy.  
Science Progr. 28: 439-455. Ja. 1934. no.111.

Sitzungsb. Naturf. Ges. Univ. Tartu (511D73)

Lepik, E.

Einige pilzfunde aus Lettland. Sitzungsb.  
Naturf. Ges. Univ. Tartu 39: 169-182. illus.  
1933. no.3/4.

Lippmaa, T.

Taimetühingute uurimise metoodika ja Eesti  
taimetühingute klassifikatsiooni põhihooni. (Grund-  
züge der pflanzensoziologischen methodik nebst  
einer klassifikation der pflanzenassoziationen  
Estlands). Sitzungsb. Naturf. Ges. Univ. Tartu  
40: 1-169. illus. 1933. no.1/2.  
German summary: p.140-159.

Vilberg, E.

Põnja-eeesti saarte taimkattest. I. (Ueber die  
pflanzendecke der Nordestländischen Inseln.) II.  
Saarte taimetühiskonnad (Die pflanzengesellschaft  
der inseln). Sitzungsb. Naturf. Ges. Univ. Tartu  
39: 231-304. illus. 1933. no.3/4.  
German summary: p.293-302.

O Solo (Rev. Centro Agr. Luiz de Queiroz) (Piracicaba)  
(9.2S04)

Marmo, J. C.

Algo sobre a ferrugem do algodoeiro. O  
Solo (Rev. Centro Agr. Luiz de Queiroz)  
25(9/10): 37-40. pl. S./O.1933.  
Uredo gossypii.



Stain Techn. (442.8St1)

Rohrbaugh, P. W.

Methods of staining plant tissues for differentiating the natural plant oils from petroleum spray oils. Stain Techn. 9: 1-3. Ja.1934.  
No.1.

Sucrierie Belge (66.8Sul)

Verplancke, G.

Betteraves fasciculées. Sucrierie Belge 53:  
123-124. D.1, 1933. no.7.

Tijdschr. Plantenz. (464.ST44)

Poeteren, N.v.

Californische pap. Tijdschr. Plantenz. 39:  
321-325. D. 1933. no.12.

Schoevers, T. A. C.

Sproeischema voor fruitboomen. Tijdschr. Plantenz.  
39: 326-335. D. 1933. no.12.

Torreya (450T63)

Edwards, J. L.

Dicentra eximia at the Delaware Water Gap.  
Torreya 33: 136-137. N./D. 1933. no.6.

Harper, R. M.

A color phase of *Sitilias caroliniana* and some analogous variations in other genera. Torreya  
33: 143-146. N./D. 1933. no.6.

*S. caroliniana* forma *alabamensis*, [n.f.]

House, H. D.

Distribution and spread of *Serapias helleborine*  
in New York State. Torreya 33: 133-135. illus.  
(map) N./D. 1933. no.6.

Knobloch, I. W.

*Geum virginianum* L. var. *murrayanum* Fernald.  
Torreya 33: 147. N./D. 1933. no.6.  
First record from Angola-on-the-Lake, N.Y.



Torreya (cont.)

Mueller, C. H.

A new species of *Talinum* from Trans-pecos Texas. *Torreya* 33: 146-149. N./D.1933. no.6.

*T. youngae*.

Shepard, W. C. & Shepard, G. Q.

A search for two of America's rarest conifers. *Torreya* 33: 138-142. N./D. 1933. no.6.

*Taxus floridanus*, *T. taxifolium*.

Tropenpfl. (Berlin) (26T75)

Hinrichs, C.Th.

Keimversuche mit Ölpalmensaat (Elaeis guineensis). *Tropenpfl.* 36: 513-521. D. 1933. no.12.

Trop. Agr. (26T751)

Haigh, J. C.

On the identity of some curry stuffs. *Trop. Agr.* 81: 283-286. pl. i-ii. N.1933. no.5.

Park, M.

Panama disease of plantains. *Trop. Agr.* 81: 330-333. col.front. N. 1933. no.5.

Trop. Agriculture West Indies (Trinidad) (26T754)

Wardlaw, C. W.

Banana diseases. VI-VII. *Trop. Agriculture West Indies* 11: 8-13, 13-15. pl.vii-x. Ja. 1934. no.1.

VI. The nature and occurrence of pitting disease and fruit spots. VII. Notes on banana leaf diseases in Trinidad.

Trudy Tsentr. Nauchno-Issled. Inst.Sakharn Prom. Moskva

(66.9M85)

Kupleniskaja, O.I.

Fiziologicheskoe issledovanie mikroorganizmov, *Fusarium betae*, *Macrosporium commune* i *Verticillium lateritium* (Physiological study of *Fusarium betae*, *Macrosporium commune* and *Verticillium lateritium*) *Trudy Tsentr. Nauchno-Issled. Inst. Sakharn. Prom. Moskva* 12: 54-63. 1933.

Russian with English summary.



Trudy Vimp. Vses. N. I. Inst. Makhor. Prom. Kiev (69.9K54)  
Kulikova, E.

Sravnitel'noe izuchenie triploidnykh gibridov  
Nicotiana tabacum L. x Nicotiana rustica L. i ikh  
roditel' skikh form (A comparative study of triploid  
hybrids of Nicotiana tabacum L. x Nicotiana rustica  
and their parental forms). Trudy Vimp Vses. N.I.  
Inst. Makhor. Prom. Kiev 1: 8-27. 1933.

Russian with English summary.

Okonenko, A. S., Pigal'skaja, E.I. & Shevchishin, I.E.

Materialy k izucheniiu kolichestva khlorofilla  
kak selektsionnogo priznaka u makhorok (Contributions  
to the study of chlorophyll volume as a plant-  
breeding feature of Nicotiana rustica) Trudy Vimp.  
Vses. N.I. Inst. Makhor. Prom. Kiev 1: 97-103.  
1933.

Russian with English summary.

Weidemann, M. G.

O riabukhe (wild-fire) i novom, prostom, pol-  
evom sposobe iskusstvennogo zarazhenia makhorki-  
epidemicheskoi riabukhoi (About wild-fire and new  
simple means of artificially infecting tobacco  
with epidemic wild-fire, preliminary information)  
Trudy Vimp Vses. N.I. Inst. Makhor. Prom. Kiev 1:  
218-230. 1933.

Russian with English summary.

Die Umschau (Frankfurt) (404Um7)

Heupke, W.

Die verdauung der pflanzennahrung. Die  
Umschau 37: 993-995. illus. D.16, 1933. no.51.

U.S. Dept. Agr. Circ. (1Ag64C)

Clark, J. A. & Quisenberry, K. S.

Distribution of the varieties and classes of  
wheat in the United States in 1929. U. S. Dept.  
Agr. Circ. 283. 75 p. illus. (maps) N.1933.

U.S. Dept. Agr. Plant Dis. Rep. (1.9F69P)

Hunter, H. A.

Diseases of canning crops in Maryland in 1933.  
U.S. Dept. Agr. Plant Dis. Rep. 17: 181-183.  
D.15, 1933. no.15.

Wellman, F. L.

Pathological effects of the east wind in  
Florida. U.S. Dept. Agr. Plant Dis. Rep.  
17: 177-181. D.15, 1933. no.15.



U.S. Dept. Agr. Miscellaneous mimeographed publications.  
Pease, V. A.

Papaya and papain. A list of references.  
Washington, 1933.

Mimeographed publ. from Food research Div., Bur.  
of chemistry and soils, U.S. Dept. of agriculture.

Robinson, T. R.

Avocado culture in Florida. Washington, D.C.  
Jl.1933.

Mimeographed publ. from Div. of Fruit and veg-  
etable crops and diseases, Bur. of plant industry,  
U.S. Dept. of agriculture.

Winston, J. R.

Reducing decay in Florida citrus fruits by the  
use of borax. Washington, D.C., S. 1933.

Mimeographed publ. from Div. of fruits and  
vegetable crops and diseases, Bur. of plant in-  
dustry, U. S. Dept. of Agriculture.

Vict. Nat. (Melbourne) (410V66)

Lucas, A. H. S.

A pioneer botanist in Victoria. Vict. Nat.  
50: 186-190. port. D. 1933. no.8.

W. H. Harvey.

Rogers, R. S.

The genus *Chiloschista*, Lindl. Vict. Nat.  
50: 182-185. illus., pl. xxv. D.1933. no.8.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig)  
(442.8Z34)

Hiorth, G.

Genetische versuche mit *Collinsia*. IV. Die  
analyse eines nahezu sterilen artbastardes (2.)  
Zeitschr. Indukt. Abstamm. u. Vererbungsl. 66:  
245-274. 1933. no.2.

Imai, Y.

Linkage studies in *Pharbitis nil*. III.  
Zeitschr. Indukt. Abstamm. u. Vererbungsl.  
66: 219-235. 1933. no.2.

Imai, Y. & Tabuchi, K.

A provisional map of the yellow chromosome of  
*Pharbitis nil*. Zeitschr. Indukt. Abstamm. u.  
Vererbungsl. 66:236-244. 1933. no.2.



Zeitschr. Indukt. Abstamm. u. Vererbungslehre. (cont.)

Renner, O. & Cleland, R. E.

Zur Genetik und Cytologie der *Oenothera lachrymans* und ihrer abkömmlinge. Zeitschr. Indukt. Abstamm. u. Vererbungslehre. 6: 275-318. 1933. no.2.

Tschermak-Seysenegg, E.

Weitere Studien am fertilen, konstanten Artbastard *Tr. turgidovillosum* und seinen Verwandten. I. Zeitschr. Indukt. Abstamm. u. Vererbungslehre. 66: 180-218. illus. 1933. no.2.

Zeitschr. Pflanzenkr. (Stuttgart) (464.823)

Steiner, H.

Ueber braunrost- (*Puccinia triticina* und *Puccinia dispersa*) Infektionen an abgeschnittenen Getreideblättern. Zeitschr. Pflanzenkr. 43: 673-682. illus. D.1933. no.12.

Zentralbl. Bakt. Abt. II. (Jena) (448.3033)

Szilvinyi, A. v.

*Blastodendron canis* nov. sp.; ein Beitrag zur Diagnose und Systematik der asporogenen Sprosspilze. Zentralbl. Bakt. Abt. II 89: 284-299. illus. D.20, 1933. no.13/16.

Der Züchter (Berlin) (442.525)

Hüttig, W.

Ueber den Einfluss von Aussenbedingungen auf die Chromosomenreduktion. Der Züchter 5: 243-249. illus. N.1933. no.11.

Sammelreferat.

Propach, H.

Fortschritte der Cytologie in der Austausch- und Konjugationsfrage. Der Züchter 5: 249-257. illus. N.1933. no.11.

Sammelreferat.

Rave, L.

Leica-Reproduktionsverfahren und Pflanzenzüchtung. Der Züchter 5: 260-262. illus. N.1933. no.11.

Veh, R. v.

Wie kann und soll beim Kernobst eine Blüte auf ihre Neigung zur Fruchtbildung hin experimentell geprüft werden? Der Züchter 5: 241-243. illus. N.1933. no.11.



Exp. Stat. Publ.

Heinicke, A. J. & Hoffman, M. B.

The rate of photosynthesis of apple leaves under natural conditions. I. Cornell Agr. Exp. Stat. Bull. 577. 32 p. illus. N.1933. (Rec'd Ja.1934) (100N48C)

Tiedjens, V. A.

Yellow pickle in greenhouse cucumbers. Massachusetts Agr. Exp. Stat. Bull. 225. 8 p. D.1925(100M38H)

Cation, D.

An infectious rosette of peach trees. Michigan Agr. Exp. Stat. Quart. Bull. 16:79-84. illus. N.1933 (Rec'd Ja.1934) (100M58S)

Harmer, P. M.

Prevention of frost injury to muck crops. Michigan Agr. Exp. Stat. Quart. Bull. 16: 62-68. illus. N. 1933. (Rec'd Ja.1934) (100M58S)

Loree, R. E.

The viking raspberry. Michigan Agr. Exp. Stat. Quart. Bull. 16: 99-100. illus. N. 1933. (Rec'd Ja.1934) (100M58S)

Moore, J. C.

Biochemical investigations of certain winter pears. Oregon Agr. Exp. Stat. Bull. 316. 10 p. Je. 1933 (Rec'd Ja.1934) (1000r3)

Zeller, S. M.

Crinkle disease of strawberry. Oregon Agr. Exp. Stat. Bull. 319. 14 p. illus. O. 1933. (Rec'd Ja.1934) (1000r3)

New Books.

Carvalho e Vasconcelos, J.

Trigos portugueses ou de há muito cultivados no país (subsídios para o seu estudo botânico) Lisboa, 1933 (59.26C25)

Separata do "Boletim de agricultura" ano 1, no. 1e 2 - 1 série.

Diels, L. & Pritzel, E.

Südwest - Australien. In Karsten, G. Vegetationsbilder r.24, h.1/2. pl.1-12. 1933 (f<sup>o</sup>452.9K142)



New Books (cont.)

Jávorka, S. & Csapody, V.

A Magyar flóra képekben (Iconographie florae hungaricae) pt.17. Budapest, 1933. (f<sup>o</sup>459.7J32Ma)

Lanfer, K. F.

Ein beitrage zur kenntnis der weiblichen bluten der coniferen. Ontogenetische und teratologische untersuchungen über die weiblichen blütenzapfen der abietineen, der cypressineen und der taxaceen mit besonderer berücksichtigung der bei einigen art vorkommenden vergrünungen (anamorphosen)

Leipzig, M. Weg, 1933 (453.46L24)

Inaug.-diss. München.

Maine. Forest commission.

Forest trees of Maine. [5th ed.] Augusta, 1932 (99.3M28)

Matton, W. R. & Miller, R. E.

Forest trees of Illinois and how to know them... 7th ed. Springfield, Ill., 1933 (993M431)

Murray, J. G. & Cranfield, H. T.

Report on an investigation into the damage caused to greenhouse crops by minute quantities of escaping coal gas. [Lincoln, Eng.] 1933. (464.38M96)

At head of title: County council of the parts of Lindsey, Lincolnshire, Education committee. Horticultural education sub-committee.

Small, J.

A textbook of botany for medical, pharmaceutical and other students. 3d ed. London, J. & A. Churchill, 1933 (463Sml)

Stern, C.

Faktorenkoppelung und faktorenaustausch. Berlin, Borntraeger, 1933 (Handbuch der vererbungs-wissenschaft hrsg. von E. Baur und M. Hartmann lfg. 19 (bd.1, H) (442L19)

Stevenson, N. I.

A pocket guide to sixty distinctive tropical trees cultivated in the open in the United States. Fayette, Iowa. 1933 (455.5St4)



New Books (cont.)

Wright, W. P.

The Wright encyclopaedia of gardening  
London, J.M. Dent, 1933 (90.01 W93E)

Reprinted from publications not yet rec'd or not available.

Nisikado, Y., Matsumoto, H. & Yamauti, K.

Contribution to the knowledge of the physiological specialisation of the genus *Fusarium* I-II.

Reprinted from Agricultural Research 20: 320-345, 346-375. Ap.1933 (J464.02N63)

Japanese.

I. Comparative studies of the pathogenicity of the various strains of the rice-"bakanae" disease.

II. Thermal relations of the growth of various strains of the rice-"Bakanae"-fungus.

Nisikado, Y. & Matsumoto, H.

Studies on the "bakanae"-disease of rice. I-II.

Reprinted from Agricultural research 19: 309-331, 333-358. plates, diag. S. 1932 (J464.)2N63S)

Japanese.

I. Comparative studies of *Lisea fujikuroi* Sawada and *Gibberella moniliformis* Wineland. II. Results of inoculation experiments with the rice-"bakanae"-fungus and closely related species.

Yamamoto, Y.

Synopsis specierum generis *Balanophorae* in Japonia et Formosa sponte crescentium. Reprinted from Ann. Rep. Taihoku Bot. Gard. 1: 93-97. 1931.

*B. kudoii*, *B. oshimae*, n.spp.



19  
69LC

# BOTANY

## CURRENT LITERATURE

LIBRARY  
RECEIVED

★ FEB. 1, 1934 ★

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY, U. S. Department of Agriculture  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 2.

Jan. 15-27, 1934.

Addisonia (N.Y.) (450Ad2)

Addisonia v. 18, no. 2. col. pl. 585-592.

O. 1933. (D. 28)

Dianella caerulea, Lilium grayi, Pinguicula  
caerulea, P. lutea, Dyschoriste humistrata,  
Mesembryanthemum emarginatum, Hydrotrida caroliniana,  
Ilsanthes grandiflora.

Agric. Colon. (Firenze) (26Ag82)

Vivoli, G.

Sulle possibilità di coltivazione di alcune  
piante esotiche dei paesi caldi in Tripolitania.  
Agric. Colon. (Firenze) 27: 570-584. ii pl.  
D. 1933. no. 12.

Agricolt. Razion. Milan (16Ag824)

Palladino, G.

Un nuovo aspetto della razionalizzazione in  
agricoltura: la "jarovisation". Agricolt. Razion.  
Milan 5: 324-326. D. 1933. no. 12.

Alpe Riv. For. Ital. (Piacenza) (99.8A17)

Fenaroli, L.

Il corniolo e la sanguinella. Alpe Riv.  
For. Ital. 20: 464-468. illus. N./D. 1933.  
no. 11/12.

Fenaroli, L.

Il maggiociondolo e il citiso alpino.  
Alpe Riv. For. Ital. 20: 458-463. illus. N./D.  
1933. no. 11/12.

Fiori, A.

Le rosacee. Alpe Riv. For. Ital. 20: 450-457.  
illus. N./D. 1933. no. 11/12.  
Prunus, Sorbus, Pirus and Crataegus.

Merendi, A.

Il bosso (Buxus sempervirens L.) Alpe Riv.  
For. Ital. 20: 478-480. illus. N./D. 1933. no. 11/12.



Alpe Riv. For. Ital. (cont.)

Passavalli, L. P.

I ranni (gen. Rhamnus). Alpe Riv. For. Ital.  
20: 475-477. illus. N./D. 1933. no.11/12.

Passavalli, L.P.

I sambuchi (Sambucus sp.pl.) Alpe Riv.  
For. Ital. 20: 481-484. illus. N./D. 1933. no.11/12.

Pavari, A.

L'agrifoglio (Ilex aquifolium). Alpe Riv.  
For. Ital. 20: 469-473. illus. N./D. 1933. no.11/12.

Pavari, A.

La betulla o bêtula (Betula alba L.) Alpe  
Riv. For. Ital. 20: 411-417. illus. N./D. 1933.  
no.11/12.

Philippis, A. de.

Il nocciuolo (Corylus L. sp.pl.) Alpe Riv.  
For. Ital. 20: 425-429. illus. N./D. 1933. no.11/12

Senni, L.

Il platano. Alpe Riv. For. Ital. 20: 445-449.  
illus. N./D.1933.

Speranzini, F.

I carpini. Alpe Riv. For. Ital. 20: 430-444.  
illus. (incl. map) N./D. 1933. no.11/12.

Amer. Fruit Grow. (Chicago) (80G85)

Darrow, G. M.

Seven new strawberries introduced by U.S.  
Amer. Fruit Grow. 54: 11, 24. illus. Ja. 1934.  
no.1.

Amer. Nurserym. (Rochester, N.Y.) (80Am371)

Chadwick, L. C.

Plants that will thrive in acid soil.  
Amer. Nurserym. 59(2): 8. Ja.15, 1934.

Agnew. Bot. (Berlin) (450An4)

Kochs, J.

Versuche mit ölhaltigem einwickelpapier zur  
verhütung von kaltlagerungskrankheiten bei äpfeln.  
Angew. Bot. 15: 540-553. N./D. 1933. no.6.

Loew, O.

Ueber die bildung von eiweiss in den pflanzen.  
Angew. Bot. 15: 518-539. illus. N./D. 1933. no.6.



Agnew. Bot. (cont.)

Milatz, R.

Neue hafersortenmerkmale. Agnew. Bot.

15: 481-518. illus. N./D. 1933. no.6.

Ann. Mus. Colon. Marseille (410.9M35)

Jumelle, H.

Catalogue descriptif des collections botaniques du Musée colonial de Marseille: Afrique équatoriale française (oléagineux). Ann. Mus. Colon. Marseille v.42(V,2), fasc. 1. 73 p. 1934.

Ann. & Mag. Nat. Hist. (London) (410An77)

Edwards, W. N.

Jurassic plants from New Zealand. Ann. &

Mag. Nat. Hist. 13: 81-109. illus., pl. iv-v. Ja. 1934. no.73.

Ann. Appl. Biol. (London) (442.8An72)

Grainger, J.

The movement of tobacco mosaic virus in its host. Ann. Appl. Biol. 20: 236-257. illus. My. 1933. no.2.

Ann. Univ. Stellenbosch. (Capetown) (515St3)

Byl, P. A. van der

Korsmosse van die Unie van Suid-Afrika. I-II.

Ann. Univ. Stellenbosch. v.11,A, no.6. 18 p. illus. N.1933;

Du Plessis, S. J.

Beskrywing van *Synchytrium cotulae* nov. spec. op *Cotula coronopifolia* Linn. in Suid-Afrika.

Ann. Univ. Stellenbosch v.11,A, no.5. 11 p. illus. O.1933.

English summary; p.10.

Ann. Rep. Bur. Sugar Exp. Stat. Queensl. (65.9Q3)

Bell, A. F.

Division of pathology. Ann. Rep. Bur. Sugar

Exp. Stat. Queensl. 33(1932/33): 54-61. 1933.

Bartonia (Philadelphia) (451P532)

Benner, W. M.

Additions to the flora of Bucks County, Pennsylvania. Bartonia 15: 32-34. 1933.

Benner, W. M.

Eugene A. Rau. Bartonia 15: 55-56. 1933.



Bartonia (cont.)

Fogg, J. M., jr.

*Euphorbia dentata* in the Philadelphia local area. *Bartonia* 15: 35-36. 1933.

Freer, R. S.

Notes on the occurrence of some unusual plants in the Virginia Blue Ridge. *Bartonia* 15: 9-13.

Pennell, F. W.

*Fimbristylis darlingtoniana*, a sedge peculiar to the serpentine barrens. *Bartonia* 15 : 27-31. illus. 1933.

Pennell, F. W.

*Polygala verticillata* and the problem of typifying Linnean species. *Bartonia* 15: 38-45. 1933.

Stone, H. E.

*Leptoloma cognatum* in southern New Jersey. Two notes. *Bartonia* 15: 36-37. 1933.  
2d note by J.M. Fogg, jr.

Stone, W.

John W. Eckfeldt, H.D., 1851-1933. *Bartonia* 15: 57-59. pl.4 (part.) 1933.

Wherry, E. T.

The Appalachian relative of *Sarracenia flava*. *Bartonia* 15: 7-8. illus. (map), pl. 1. 1933.  
*S. oreophila* (Kearney) Wherry, n.sp.

Wherry, E. T.

The eastern veiny-leaved phloxes. *Bartonia* 15: 14-26. illus. (maps), pl.2-3. 1933.

Wherry, E. T.

The geographic relations of *Sarracenia purpurea*. *Bartonia* 15: 1-6. illus. (map) 1933.

Better Crops (N.Y.)

Lee, O. C.

Weeds are a nation's menace. *Better Crops*. 19(5): 9, 25-26. illus. D.1933/Ja.1934.

Niven, L. A.

Potash prevents wilt and rust. *Better Crops* 19(5): 7-8, 29-30. illus. D.1933/Ja.1934.  
Of cotton.



Biochem. Zeitschr. (Berlin) (3843522)

Carzascz, T. & Pisula, F.

Abbau und verbrauch von eiweiss durch  
schimmelpilze. Biochem. Zeitschr. 266: 29-45.  
O.24, 1933. no.1/3.

Gorr, G. & Wagner, J.

Ueber das amidspaltungsvermögen der *Torula  
utilis*, eine untersuchung über die abhängigkeit  
pflanzlicher enzymausbildung von stickstoffernähr-  
ung. Biochem. Zeitschr. 266: 96-101. O.24, 1933.  
no.1/3.

Hardtl, H.

Amylopektin als nährstoff der pilze.  
Biochem. Zeitschr. 267: 6-10. D.12, 1933. no.1/3.

Kardo-Syrsojeva, E.

Ueber die bildung von gluconsäure durch  
*Aspergillus niger*. Biochem. Zeitschr. 266: 337-  
351. N.12, 1933. no.4/6.

Klein, G. & Ziese, W.

Beiträge zum chemismus pflanzlicher tumoren.  
IV. Ueber peroxydase in pflanzlichen tumoren.  
Biochem. Zeitschr. 267: 22-25. D.12, 1933. no.1/3.

Kluyver, A. J. & Perquin, L.H.C.

Zur methodik der schimmelstoffwechselunter-  
suchung. Biochem. Zeitschr. 266: 68-81.  
illus. O.24, 1933. no.1/3.

Sjollena, B.

Kupfermangel als ursache von krankheiten bei  
pflanzen und tieren. Biochem. Zeitschr. 267: 151-  
156. D.12, 1933. no.1/3.

Skinner, J. T., Peterson, W. H. & Steanbock, H.

Nährwert von schimmelpilzmycel. Biochem.  
Zeitschr. 267: 169-178. D.12, 1933. no.1/3.

Virtanen, A.I., Hausen, S. v. & Saastamoinen, S.

Untersuchungen über die vitaminbildung in  
pflanzen. I. Biochem. Zeitschr. 267: 179-191.  
D.12, 1933. no.1/3.



Biull. Iaroviz. (1060d2)

Lysenko, T. D.

Ocnovnye rezul'taty rabot po iarovizatsii sel'sko-khoziáistvennykh rastenii [Principal results from iarovization of agricultural plants] Biull. Iaroviz. 4: 3-57. illus. 1932.

Russian.

Bol. Union Panamer. (Washington) 150.9M76B)

Vinall, H.N.

Importantes pastos tropicales. I. Bol. Union Panamer. 68: 125-140. illus. F.1934. no.2.

No.91, Ser. de Impresos sobre agricultura.

Bot. Not. (Lund, Sweden) (450B656)

Arwidsson, Th.

Ueber einige von O. Ekstam auf Waigatsch gesammelte gefáusspflanzen. Bot. Not. 1933: 473-478. D.20, 1933. no.4/6.

Degelius, G.

Lichenologiska bidrag. V. Bot. Not. 1933: 509-519. illus. D.20, 1933. no.4/6.

Gertz, O.

Till kánnedomen om Cuscuta europaeas várdvástflora. Bot. Not. 1933: 505-508. D.20, 1933. no.4/6.

Gustafsson, Å.

Ueber die teilung der embryosackmutterzelle bei Taraxacum. Bot. Not. 1933: 531-534. D.20, 1933. no.4/6.

Vorläufige mitteilung.

Johansson, H. E.

Váxttopografiska anteckningar. I. Lappland jämte övriga delar av Västerbottens och Norrbottens lán bearbetade av S. Grapengiesser. Bot. Not. 1933: 479-499. D.20, 1933. no.4/6.

Levring, T.

Smárre uppsatser och meddelanden. Bot. Not. 1933: 601-603. D.20, 1933. no.4/6.

Några algfynd vod Svenska västkusten.



Bot. Not. (cont.)

Lönnerblad, G., Naumann, E. & Wanselin, J.

Ueber sauerstoffzehrung durch Sphaerotilus-aufwuchs. Bot. Not. 1933: 577-580. D.20, 1933. no.4/6.

Lönnerblad, G. & Naumann, E.

Versuche über die sauerstoffzehrung von organisch gedüngtem wasser, mit und ohne spezielle einpflanzung von saprobien. Bot. Not. 1933: 581-587. D.20, 1933. no.4/6.

Mauritzon, J.

Ueber die embryologie der Turneraceae und Frankeniaceae. Bot. Not. 1933: 543-554. illus. D.20, 1933. no.4/6.

Naumann, E. & Wanselin, J.

Ueber die chemische zusammensetzung und die quantitative entwicklung des Sphaerotilus-aufwuchses. in Motala Ström bei Norrköping. Bot. Not. 1933: 588-592. D.20, 1933. no.4/6.

Nilsson, F.

Self-fertility in the genus Lolium. Bot. Not. 1933: 563-576. illus. D.20, 1933. no.4/6.

Nissen, Ø.

Genetische untersuchungen in Alopecurus pratensis L. 1. Ausspaltungen von albinos. Bot. Not. 1933: 555-562. D.20, 1933. no.4/6.

Peterson, D.

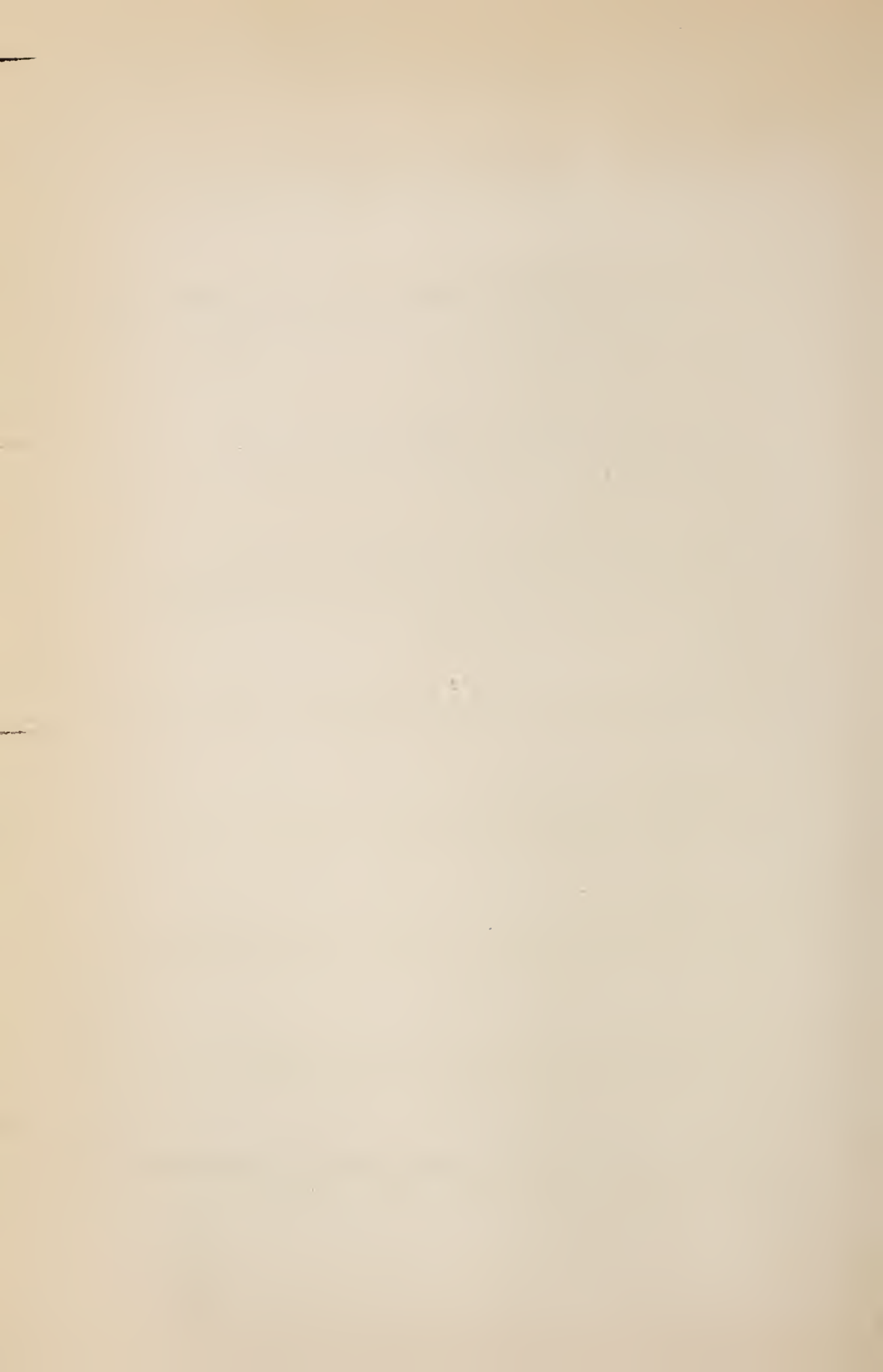
Stellaria media L. x Stellaria neglecta weibe. Bot. Not. 1933: 500-504. illus. D.20, 1933. no.4/6.  
English summary: p.503-504.

Rosenberg, T.

Zur antaomie und entwicklungsgeschichte von Dasys arbuscula. Bot. Not. 1933: 535-542. illus. D.20, 1933. no.4/6.

Stenar, H.

Zur embryologie der Agapanthus-gruppe. Bot. Not. 1933: 520-530. illus. D.20, 1933. no.4/6.



Brittonia.

Seward, A. C.

Note on two upper carboniferous pteridosperms from Kentucky. Brittonia 1: 195-202. pl. 1-2. D. 1933. no.4.

Merrill, E. D.

The generic name *Parsonsia* and the status of *Parsonsia helicandra* Hooker & Arnott. Brittonia 1: 233-237. D. 1933. no.4.

Smith, A. C.

The genera *Spherospermum* and *Disterigma*. Brittonia 1: 203-232. D. 1933. no.4.

Bull. Amer. Peony Soc. (81Am38B)

Brown, N. A.

Method of control for crown and root rot of peonies. Bull. Amer. Peony Soc. 55: 3-6. D. 1933.

Several different fungi are known to cause these rots.

Bull. Dept. Agr. 'Iraq. (22.5M562A)

Guest, E.

Notes on plants and plant products with their colloquial names in 'Iraq. Bull. Dept. Agr. 'Iraq no.27. 111 p. map. 1933.

Bull. Écon. Indochine (22.5In2)

Note sur les manguiers. Formes et variétés. Bull. Écon. Indochine 36: 805-816. S./O.1933.

Bull. Misc. Inform. Kew (London) (89K51B)

Fischer, C. E. C.

Contributions towards a flora of British North Borneo. III. Bull. Misc. Inform. Kew 1933: 487-495. 1933. no.10.

Hill, A. W.

New species of *Nototriche* and *Malvastrum* from the Argentine. Bull. Misc. Inform. Kew 1933: 485-487. 1933. no.10.

*N. rosulata*, *N. caesia*, *M. tuberculatum*.

Howes, F. N.

Dunkal gum. Bull. Misc. Inform. Kew 1933: 511-512. 1933. no.10.

*Commiphora drake-brockmanii*.



Bull. Misc. Inform. Kew (cont.)

Hubbard, C. E.

Notes on African grasses. XIX. Bull. Misc. Inform. Kew 1933: 498-503. 1933. no.10.

Kew. Royal gardens.

Tropical African plants. XI. Bull. Misc. Inform. Kew 1933: 467-479. pl. xviii. 1933. no.10.

Marsden-Jones, E. M. & Turrill, W. B.

Researches on *Silene maritima* and *S. vulgaris*. XII. Bull. Misc. Inform. Kew 1933: 479-485. 1933. no.10.

Nowell, W.

*Agave amaniensis*: A new form of fibre-producing *Agave* from Amani. Bull. Misc. Inform. Kew 1933: 465-467. pl. xvii. 1933. no.10.

Sandwith, N. Y.

Contributions to the flora of tropical America. XVIII. Bull. Misc. Inform. Kew 1933: 495-497. 1933. no.10.

Bull. Soc. Dendrol. France (Paris) (99.9Sol5)

Dode, L. A.

Notes dendrologiques. A propos des peupliers euraméricains de grande culture. Bull. Soc. Dendrol. France 1933: 30-48. My.15, 1933. no.86.

Dode, L. A.

Une nouvelle station de *Populus mauritanica* Dode. Bull. Soc. Dendrol. France 1933: 49. My.15, 1933. no.86.

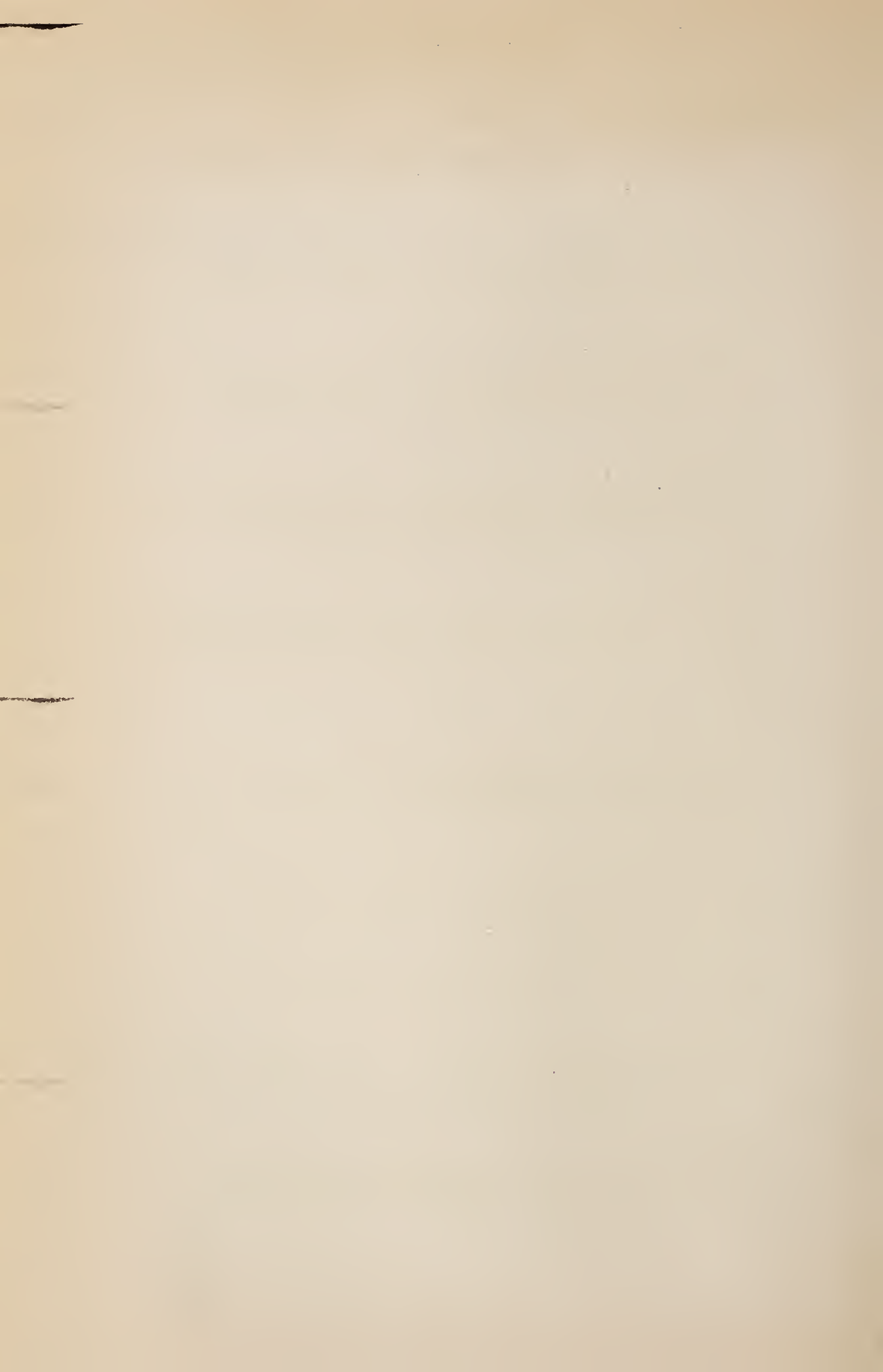
"Ouado Safsaf, Oulad Settout, sur la Moulouya, rive oranaise (à 80 kilomètres de Melilla)".

Hickel, R.

Sur deux chênes hybrides. Bull. Soc. Dendrol. France 1933: 13-15. illus. F.15, 1933. no.85.  
Hybrid of *Quercus dentata* and of *Q. pontica*.

Kern, E.

Le chêne-liège et le problème du liège en U.R.S.S. Bull. Soc. Dendrol. France 1933: 16-22. F.15, 1933. no.85.



Cactus & Succ. Journ. (Los Angeles) (451011)

Baxter, E. M.

California cacti. IX. Echinocereus. Cactus  
& Succ. Journ. 5: 499-501. illus. Ja.1934.  
no.7.

Bravo, H.

A contribution to the knowledge of the cacti  
of Mexico. III. Cactus & Succ. Journ. 5: 505-  
509. illus. Ja. 1934. no.7.

Hester, J. P.

Neglected Echinomastus. Cactus & Succ. Journ.  
5: 503-504. illus. Ja.1934. no.7.

Walther, E.

Illustrated notes in the Crassulaceae. 6.  
Cotyledon teretifolia Thunbg. Cactus & Succ. Journ.  
5: 502. illus. Ja.1934. no.7.

Smith, A.

What grows where. Cacti listed in accordance with  
their geographical origin. Compiled and copyrighted  
for Mrs. John D. Wright, Santa Barbara, Calif., 1933.  
(cont.) Cactus & Succ. Journ. 5: 510-511. Ja.  
1934. no.7.

Calif. Citrogr. (Los Angeles) (800125)

Bartholomew, E. T., Sinclair, W. B. & Raby, E. C.

Granulation (crystallization) of Valencia  
oranges. Calif. Citrogr. 19: 88-89, 106, 108.  
illus. F.1934. no.4.

... "No organism is directly responsible  
therefore it is considered to be a purely physio-  
logical trouble".

Lemon men hear discussion on blue and green  
molds. Calif. Citrogr. 19: 100-101. F.1934.  
no.4.

Discussion led by H.N. Dixon at meeting  
Lemon Men's club, Jan.3.

Canad. Flor. (Peterboro, Ont.) (800163)

Brierley, P.

Dahlia mosaic and its relation to stunt. (concl.)  
Canad. Flor. 29: 16. Ja.23, 1934. no.2.



Compt. Rend. Acad. Sci. Paris (505P21)

Esch, D. & Desbordes, D.

Action paradoxale du mycélium d'*Aspergillus repens* sur le nitrate d'ammoniaque. Enrichissement du milieu en ammoniaque. Compt. Rend. Acad. Sci. Paris. 197: 1772-1774. D.26, 1933. no.26.

Besnard, W. & Korda, P.J.

De l'action des radiations lumineuses et ultra-violettes émises par des lampes spéciales sur la croissance et la reproduction de quelques plantes aquatiques. Compt. Rend. Acad. Sci. Paris 197: 1746-1748. D.26, 1933. no.26.

Costantin, J.

Expériences culturales sur la pomme de terre dans les Pyrénées. Compt. Rend. Acad. Sci. Paris. 198: 22-26. Ja.3, 1934. no.1.

Joyet-Lavergne, Ph.

Le diagnostic du sexe par la mise en évidence des caractères de sexualisation. Compt. Rend. Acad. Sci. Paris 197: 1744-1746. D.26, 1933. no.26.

Experiments with *Schizosaccharomyces octosporus* and *Saccharomyces ludwigii*.

Lami, R.

Sur une nouvelle espèce de laminaire de la région iberico-marocaine: *Laminaria iberica* (Hamel) Lami. Compt. Rend. Acad. Sci. Paris 198: 113-114. Ja.3, 1934. no.1.

Lavialle, P. & Jaeger, P.

La fertilité et la stérilité de l'androcée: leurs rapports avec le polymorphisme staminal chez *Knautia arvensis* Coult. Compt. Rend. Acad. Sci. Paris 198: 114-116. Ja.3, 1934. no.1.

Lemesle, R.

Des divers effets produits par le *Fusarium anthophilum* (A. Br.) Wr. sur l'ovule de *Scabiosa succisa* L. Compt. Rend. Acad. Sci. Paris. 198: 117-118. illus. Ja.3, 1934. no.1.

Miège, E. & Simonet, M.

Etude caryologique de types *durum* apparus dans le croisement *Triticum vulgare* var. *alborubrum* x *T. vulgare* var. *oasicolum*. Compt. Rend. Acad. Sci. Paris 197: 1751-1753. D.26, 1933. no.26.



Compt. Rend. Acad. Sci. Paris (cont.)

Sartory, A., Sartory, R., Meyer, J. & Ernst,

Influence inhibitrice du radium sur la  
croissance des racines de *Lens esculenta*:  
dose empêchante minima et temps d'irradiation.

Compt. Rend. Acad. Sci. Paris 197: 1760-1762.  
D.26, 1933. no.26.

Viala, P. & Marsais, P.

Sur le court-noué, maladie parasitaire de la  
vigne. Compt. Rend. Acad. Sci. Paris. 198: 26-  
29. Ja.3, 1934. no.1.

Caused by *Pumilus medullae* n.sp., to be de-  
scribed later.

Country Life (London) (30CS3)

Taylor, G. C.

The mock oranges. Country Life 75: 46-67.  
illus. Ja.13, 1934. no.1930.

Current Science (Bangalore) (475Sci23)

Srinivasa Rao, H.

A gall-like structure from a tree in the  
Andamans. Current Science 2: 208-209.

D.1933. no.6.

On *Carappa obovata*, cause unknown, "may  
be an epiphyte like the orchids"...

Desert (Pasadena) (450D45)

Eiggins, E. B.

*Neomammillaria dioica* (K. Brandegee). Desert  
(Pasadena) 5: 134. illus. Ja. 1934. no.9.

Ecology (Brooklyn, N.Y.) (410Ec7)

Campbell, R. S. & Bomberger, E. E.

The occurrence of *Gutierrezia sarothrae* on  
*Bouteloua eriopoda* ranges in southern New Mexico.

Ecology 15: 49-61. illus. Ja. 1934. no.1.

Kittredge, J., jr.

Evidence of the rate of forest succession on  
Star Island, Minnesota. Ecology 15: 24-35.

Ja. 1934. no.1.

In Cass Lake and part of Chippewa national  
forest.

Kurz, H. & Demaree, D.

Cypress buttresses and knees in relation to  
water and air. Ecology 15: 36-41. illus.

Ja. 1934. no.1.



Ecology (cont.)

Penflund, W. T. & O'Neill, M. E.

The vegetation of Cat Island, Mississippi.  
Ecology 15: 1-16. illus. Ja.1934. no.1.

A continental island some nine miles south  
of Gulfport.

Shirley, H. L.

Observations on drought injury in Minnesota  
forests. Ecology 15: 42-48. Ja.1934. no.1.

Farming So. Africa (Pretoria) (24So842)

Saunders, A. R.

Maize pinking. Farming So. Africa 8: 249-250.  
illus. Jl.1933. no.38.

Not a disease, a heritable property, found to  
be dependent on sunlight.

Flora (Jena) (450F66)

Bergdolt, E.

Pteridophytenstudien. I. Die heterophyllen Tricho-  
manes-arten. [T. trolii n.sp.] Flora 127(n.s.27):  
251-271. illus. 1933. no.3.

Brauner, L.

Zur frage der postmortalen farbstoffaufnahme  
von pflanzenzellwänden. Flora 127(n.s.27): 190-  
214. illus. 1933. no.3.

Experiments with Spirogyra nitida, Closterium  
moniliferum.

Renner, O.

Zur kenntnis der letalfaktoren und des  
koppelungswechsels der oenotheren. Flora 127(n.s.  
27): 215-250. illus. 1933. no.3.

Wenderoth, H.

Einige ergänzungen zur kenntnis des aufbaus  
von Dictyota dichotoma Lamour. und Padina pavonia  
Lamour. Flora 127(n.s.27): 185-189. illus.  
1933. no.3.

Florida Grow. (Tampa) (50F6622)

Holland, F. L.

Use of zinc in Florida agriculture. Florida  
Grow. 41(8): 8-10, 19-20. illus. O./N.1933.

State Exp. Stat. gets interesting results with  
zinc sulphate in sprays on tung, citrus and pecan  
trees.



Flor. Exch. (N.Y.) (80F666)

Lumsden, D.

Homer C. Skeels. A tribute. Flor. Exch.

82(2): 15. Ja.13, 1934.

Died Jan.3, 1934.

Flor. Rev. (Chicago) (30W41)

Guba, E. F.

New sulphur vaporizer. Flor. Rev. 73(1885):

11. illus. Ja.11, 1934.

Sir William Matthew Lawrence. Flor. Rev.

73(1885): 24. Ja.11, 1934.

Died Ja.5, 1934, at 63.

Forsch. Geb. Pflanzenkr. K. Univ. Kyoto(J464.9K93)

Abe, T

On the influence of iron sulphate upon the growth and vitality of *Piricularia oryzae*, with special reference to temperature as an environmental factor. Forsch. Geb. Pflanzenkr. K.

Univ. Kyoto 2: 186-201. 1933.

Japanese with English summary: p.200-201

Abe, T.

On the influence of soil temperature upon the development of the blast disease of rice.

Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 30-54. 1933.

Japanese with English summary: p.53-54.

Abe, T.

On the relation of atmospheric humidity to the infection of the rice plant by *Piricularia oryzae* B. et C. Forsch. Geb. Pflanzenkr. Univ.

Kyoto 2: 98-124. 1933.

Japanese with English summary: p.123-124.

Akai, S.

Ueber autoclyse bei *Ophiobolus miyabeanus* Ito et Kuribayashi. Forsch. Geb. Pflanzenkr.

K. Univ. Kyoto 2: 257-276. 1933.

Japanese with German summary: p.278.

Hemmi, T.

On *Stereum induratum* Berk. and *Trametes dickinsii* Berk. causing dry-rot of fagaceous woods. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 328-333. illus., pl.vi. 1933.

Japanese with English summary: p.333.

*Stereum induratum* on species of *Quercus*; *Trametes dickinsii* on *Quercus*, *Castanea*, *Fagus* & *Pasania*.



Forsch. Geb. Pflanzenkr. K. Univ. Kyoto (cont.)

Hemmi, T. & Abe, T.

On the relation of air humidity to germination of urediniospores of some species of *Puccinia* parasitic on cereals. Forsch. Geb.

Pflanzenkr. K. Univ. Kyoto 2: 1-9. 1933.

Hemmi, T. & Endo, S.

Studies on sclerotium diseases of the rice plant. VI. On the relation of temperature and period of continuous wetting to the infection of the rice plant by *Hypochnus sasakii* Shirai. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 202-218. 1933.

Japanese with English summary: p.217-218.

Hemmi, T. & Kurata, S.

Studies on septorioses of plants. V. *Septoria menthae* (Thun.) Oud. causing the serious leaf-spot disease of cultivated mints in Japan. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 10-19. illus. 1933.

Hemmi, T. & Watanabe, T.

Studies on the stem rot (split stem) of sweet potatoes. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 314-327. pl.v. 1933.

Japanese with English summary: p.326-327. *Fusarium? batatis* & *hyperoxysporum*.

Ikeno, S.

Studies on sclerotium diseases of the rice plant. VII-VIII. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 219-237, 238-256. 1933.

Japanese with English summaries; p.237, 256.

VII. On the influence of continuous wetting and discontinuous wetting on infection of the rice plant by *Hypochnus sasakii* Shirai. VIII. On the relation of temperature and period of continuous wetting to the infection of soy-bean by the sclerotia of *Hypochnus sasakii* Shirai and on autoclysis of the same fungus.

Ikeya, J.

On a disease of the rice plant caused by *Gibberella saubinetii* (Mont.) Sacc. Forsch. Geb.

Pflanzenkr. K. Univ. Kyoto 2: 292-313. illus., pl.iv. 1933.

Japanese with English summary: p.313.



Forsch. Geb. Pflanzenkr. K. Univ. Kyoto (cont.)

Konishi, S.

On physiologic specialization in the rice blast fungus, *Piricularia oryzae* Br. et Cav. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 55-77. illus., pl. i. 1933.

Japanese with English summary: p.76-77.

Nojima, T.

Studies on *Polyporus mikadoi* Lloyd and *Polyporus patouillardii* Rick, causing the heart-rot of deciduous trees. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 154-171. illus., pl. ii-iii. 1933.

Japanese with English summary: p.170-171.

Seto, F.

Ueber das verschiedene verhalten der reis-keimlinge bei der "bakanae"-krankheit. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 20-29. 1933.

Vorlaufige mitteilung.

Seto, F.

Untersuchungen über die "bakanae"-krankheit der reispflanze. III-IV. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 125-137, 138-153. illus. 1933.

Japanese with German summary.

III. Ueber die beziehungen zwischen der bodenfeuchtigkeit und dem krankheitsbefall bei bodeninfektion. IV. Ueber die beziehungen zwischen bodentemperatur und dem krankheitsbefall bei bodeninfektion.

Suzuki, H.

On the relation of soil moisture to the development of the blast disease of rice, with special reference to the inoculation experiments on plants grown on soils differing in moisture and amount of nitrogenous manure. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 279-291. 1933.

Japanese with English summary: p.291.

Suzuki, H.

On the relation of soil moisture to the development of the blast disease of rice plant with special reference to the results of inoculation experiments on seedling and pedicels of spikes of plants grown on soils differing in the time and duration of drying and irrigation. Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 172-185. 1933.

Japanese with English summary: p.184-185.



Forsch. Geb. Pflanzenkr. K. Univ. Kyoto (cont.)

Suzuki, H.

On the relation of soil moisture to the development of the rice blast disease, with special reference to the results of inoculation experiments on the resistant and susceptible varieties of the paddy rice and the upland rice.

Forsch. Geb. Pflanzenkr. K. Univ. Kyoto 2: 78-97. 1933.

Japanese with English summary: p.97.

Gard. Chron. (London) (806162)

Balls, E. K.

Plant collecting in Persia, I. Gard. Chron. III, 95: 3-9. illus. Ja.6, 1934. no.2454.

Besant, J. W.

Lycoris in America. Gard. Chron. III, 95: 7. illus. Ja.6, 1934. no.2454.

Boottman, E. S.

Aquilegias, I. Gard. Chron. III, 95: 12-13. Ja.6, 1934. no.2454.

Friend, H.

Herbals and herbalists. III. Theophrastus the fluent. Gard. Chron. III, 95: 9-10. illus. Ja.6, 1934. no.2454.

Gartenbauwiss. (Berlin) (806195)

Agerberg, L. S., Schmidt, K. & Sengbusch, R. v.

Zur entwicklungsphysiologie von Cladosporium fulvum und über die widerstandsfähigkeit von Solanum racemigerum gegen diesen parasiten. II. Gartenbauwiss. 8: 346-358. illus. D.19, 1933. no.2.

Härdtl, H.

Beitrag zum problem der gestaltung hoherer pflanzen unter dem einfluss der schwerkraft. Gartenbauwiss. 8: 239-264. illus. D.19, 1933. no.2.

Eine obstbauliche vorstudie.

Kisser, J.

Zur frage nach beziehungen zwischen keimschnelligkeit und geschwindigkeit des keimlingswachstums. Gartenbauwiss. 8: 336-345. D.19, 1933. no.2.



Gartenbauwiss. (cont.)

Moog, H.

Beiträge zur ampelographie. IV. Gartenbauwiss.  
8: 215-238. illus. D.19, 1933. no.2.

Passecker, F.

Kulturversuche mit dem japanischen Shiitake  
oder Pasaniapilz. Gartenbauwiss. 8: 359-364.  
illus. D.19, 1933. no.2.

Schanderl, H.

Ueber eine selbststerile spielart der schatten-  
morelle. Gartenbauwiss. 8: 135-145. illus.  
D.19, 1933. no.2.

Schwarz, L.

Wirkung des warmbades und einiger chemischer  
bäder auf das wurzeltreiben von stecklingen.  
Gartenbauwiss. 8: 235-321. illus. D.19, 1933.  
no.2.

Veh, R. v.

Beiträge zur frage nach den befruchtungsverhält-  
nissen der für Deutschland wertvollsten kern-, stein  
und beerenobstsorten. II. Entwicklungsgeschichtlich-  
cytologische untersuchung der samenanlagen der  
apfelsorte "Schöner v. Boskoop". Gartenbauwiss.  
8: 146-214. illus. D.19, 1933. no.2.

Gartenw. (Berlin) (80G196)

Knoll, W.

Eine beobachtung in bezug auf die ulmenkrank-  
heit. Gartenw. 37: 627. illus. D.22, 1933.  
no.51.

Heil & Gewürz-Pflanzen. (Münich) (71.5H36)

Reko, V. A.

Ayahuasca, der trank der grauenhaften träume.  
Heil & Gewürz-Pflanzen 15: 135-141. D.23, 1933.  
no.3.

Walter, H.

Septoria-blattfleckenkrankheit an der pfeffer-  
minze. Heil & Gewürz-Pflanzen 15: 93-94. illus.  
D.23, 1933. no.3.

S. menthae and S. menthicola.

Würke, H.

Untersuchungen über die maserbildung beim  
rhabarberrhizom. Heil & Gewürz-Pflanzen 15:  
97-132. illus. D.23, 1933. no.3.



Hereditas (Lund) (442.8H42)

Lamprecht, H.

Das gen uni und seine koppelung mit anderen genen bei Pisum. Hereditas 18: 269-296. illus. 1934. no.3.

Levan, A.

Cytological studies in Allium. V. Allium macranthum. Hereditas 18: 349-359. illus. 1934. no.3.

Wezelsen, H.

Quantitative inheritance and linkage in barley. Hereditas 18: 307-348. illus. 1933. no.3.

Hints Potato Grow. N.J. (New Brunswick) (75.9H59)

Martin, W. H.

Fertilizer-mercury combinations for the control of scab and Rhizoctonia. Hints Potato Grow. N.J. v.14, no.8. [4] p. D.1933.

Journ. Amer. Chem. Soc. (381Am33J)

Couch, J. F.

Lupine studies. VI. The alkaloids of Lupinus corymbosus, Heller. (1). Journ. Amer. Chem. Soc. 56. 155-156. Ja. 1934. no.1.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Anderson, A. & Kiesselbach, T. A.

Studies on the technic of control hardiness tests with winter wheat. Journ. Amer. Soc. Agron. 26: 44-50. Ja. 1934. no.1.

Sturkie, D. G.

A study of lint and seed development in cotton as influenced by environmental factors. Journ. Amer. Soc. Agron. 26: 1-24. Ja. 1934. no.1.

Suneson, C. A. & Peltier, G. L.

Cold resistance adjustments of field-hardened winter wheats as determined by artificial freezing. Journ. Amer. Soc. Agron. 26: 50-58. Ja. 1934. no.1.

Journ. Biol. Chem. (Baltimore) (381J824)

Anderson, E.

The mucilage from slippery elm bark. Journ. Biol. Chem. 104: 163-170. Ja. 1934. no.1.



Journ. Bombay Nat. Hist. Soc. (513B63)

Blatter, E. & Fernandez, J.

The flora of Waziristan. II. Journ. Bombay Nat. Hist. Soc. 36: 950-977. 2 pl. D.15, 1933. no.4.

Blatter, E.

Revision of the flora of the Bombay Presidency. XXII. Journ. Bombay Nat. Hist. Soc. 36: 781-795. illus., pl. D.15, 1933. no.4.

Blatter, E. & Millard, W. S.

Some beautiful Indian trees. XIII. Journ. Bombay Nat. Hist. Soc. 36: 778-780. illus., pl. 21-22. (1 col.) D.1933. no.4.

Hubback, T.

Note on the Ashoka tree. Journ. Bombay Nat. Hist. Soc. 36: 1023. D.15, 1933. no.4.  
*Saraca indica*.

Narayan Acharya, H.

The Ashoka tree. Journ. Bombay Nat. Hist. Soc. 36: 1021-1022. D.15, 1933. no.4.

Journ. Bot. (London) (450J82)

Armitage, E.

Bryophyta new to Co. Waterford. Journ. Bot. 72: 18-20. Ja.1934. no.853.

Dixon, H. N.

Miscellanea bryologica. XII. (concl.) Journ. Bot. 72: 12-18. Ja.1934. no.853.

Novitates africanæ. (cont.) Journ. Bot. 72: 20-22. Ja.1934. no.853.

Steenis, C.G.G.J. van

Some remarks on the Kinabalu collection of Chaplain and Mrs. Clemens, 1931-32. Journ. Bot. 72: 1-12. Ja. 1934. no.853.

Journ. Fac. Sci. Imp. Univ. Tokyo Sect. III, Bot.

Satake, Y.

Systematic and anatomical studies on some Japanese plants. II. Journ. Fac. Sci. Imp. Univ. Tokyo Sect. III, Bot. 4: 131-223. illus., iv pl. O.23, 1933. no.2.



Journ. Hered. (Washington) (442.8Am3)

Parker, M. C.

The inheritance of a yellow-spot character in the bean. Journ. Hered. 24:481-486. illus. D.1933. no.12.

Journ. Sapporo Soc. Agr. & For. (J22.5Sol)

Yamamoto, K.

The jarovization of the radish seedlings (*Raphanus sativus* L.) on the effect of the low-temperature-treatment. Journ. Sapporo Soc. Agr. & For. 25:260-278. illus. N.1933. no.116.

Japanese. English resume: p.278.

Journ. Tenn. Acad. Sci. (500T25A)

Freeman, C. P.

Ecology of the cedar glade vegetation near Nashville, Tennessee. Journ. Tenn. Acad. Sci. 8:141-228. illus. Ap.1933. no.2.

Hazard, J. O.

The trees of the Reelfoot Lake region. Journ. Tenn. Acad. Sci. 8:55-60. illus. Ja.1933. no.1.

Hebel, M.

The mustards and related plant families in eastern Tennessee. I-II. Journ. Tenn. Acad. Sci. 8:332-340, 382-417. illus. Jl., O.1933. no.3,4.

Hesler, L. R. & Caton, A.

Rusts of Tennessee. Journ. Tenn. Acad. Sci. 8:260-263. Jl.1933. no.3.

Moore, C. E.

The herbaceous plants and vines of the region about Walnut Log. Journ. Tenn. Acad. Sci. 8:43-47. illus. Ja.1933. no.1.  
Upper eastern end of Reelfoot Lake.

Schwarz, A. J.

The cryptogamous plants of Reelfoot Lake. Journ. Tenn. Acad. Sci. 8:37-42. illus. Ja.1933. no.1.

Schwarz, A. J.

The early history of *Digitalis*. Journ. Tenn. Acad. Sci. 8:358-361. O.1933. no.4.



Journ. Tenn. Acad. Sci. (Cont.)

Shaver, J. M.

A preliminary report on the plant ecology of  
Reelfoot Lake, Journ. Tenn. Acad. Sci. 8:48-  
54. illus. Ja.1933. no.1.

Journ. Washington Acad. Sci. (500W.276J)

Killip, E. P.

New plants mainly from western South America.  
IV. Journ. Washington, Acad. Sci. 24:42-52.  
Ja. 15,1934. no.1.

Howe, M. A.

Hawaiian algae collected by Dr. Paul C.  
Galtsoff. Journ. Washington Acad. Sci. 24:32-  
42. illus. Ja.15,1934. no.1.

Trichogloea subnuda, Laurencia yamadana, and  
L. galtsoffii n.spp.

Kranke Pflanze (Dresden) (464.8K86)

Braun, K.

Flecken an äpfeln. Kranke Pflanze 10:157-  
159. D.1933. no.12.

Landbouwk. Tijdschr. Wageningen (105.20r3)

Koeslag, J. D.

De invloed van klimaat en weer op de tarwe-  
teelt. Landbouwk. Tijdschr. Wageningen 45:897-  
920. illus. D.1933. no.554.

Oort, A. J. P.

Over voetziekten bij granen. Landbouwk.  
Tijdschr. Wageningen. 45:945-953. D.1933.  
no.554.

K. Landtbr. Akad. Handl. o. Tidskr. (Stockholm) (104Sw3)

Hesselman, H.

Frederik Weis. K. Landtbr. Akad. Handl. o.  
Tidskr. 72:705-708. port. 1933. no.6.

Rennerfelt, E.

Undersökningar över strögröta hos våra sädeslag.  
(Untersuchungen über fusskrankheiten an unserer  
getreidearten). K. Landtbr. Akad. Handl. o.  
Tidskr. 72: 761-774. illus. 1933. no.6.

Brief German summary: p.773.

Ophiobolus graminis, O. herpotrichus.  
Leptosphaeria herpotrichoides, & Hendersonia  
herpotricha.



Landtm. Tidskr. (Stockholm) (11K234)

Hertzman, N.

Klumprotsjukan och dess bekämpande genom  
förädling. Landtm. Tidskr. Landtm. 1934:11-13.  
illus. Ja.6,1934. no.1.  
Club root.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Klingkowsky, M. & Richter, H.

Der stengelbrenner (anthraknose) der luzerne  
verursacht durch den pilz Colletotrichum trifolii.  
Nachrichtenbl. Deut. Pflanzenschutzd. 14:1-3.  
illus. Ja.1934. no.1.

Die wichtigsten starken schäden an getreide im  
jahre 1933. Nachrichtenbl. Deut. Pflanzenschutzd.  
14:3-4. illus. Ja.1934. no.1.

Naturforsch. (Berlin) (410N219)

Prochnow, O.

Kunstvolle stützgerüste in bauformen der  
natur. Naturforsch. 10:354-359. illus.,  
pl. xxvi-xxvii. Ja.1934. no.10.

Naturwissensch. (Berlin) (474N213)

Wettstein, F. v.

Gedächtnisrede auf Carl E. Correns.  
Naturwissensch. 22:2-8. port.(p.1). Ja.5,1934.  
no.1.

Nederl. Kruidk. Arch. (Amsterdam) (451N28)

Beijerinck, W.

De oorsprong onzer heidevelden. Nederl.  
Kruidk. Arch. 1933:272-292. illus. D.15,  
1933. no.43.  
German summary.

Jansen, J.

Erica tetralix L. Nederl. Kruidk. Arch.  
1933:357-360. illus. D.15,1933. no.43.

Jansen, F. & Wachter, W. H.

Grassen langs de Zuiderzeekust. III. Nederl.  
Kruidk. Arch. 1933:147-190. illus. D.15, 1933.  
no. 43.

Jesweit, J., Leeuw, W. C. de & Tuxon, R.

Ueber waldgesellschaften und bodenprofile, I-II.  
Nederl. Kruidk. Arch. 1933:293-333. D.15, 1933.  
no.43.

I. Klimaxprobleme des N. W-Europäischen Fest-  
landes. II. Einige waldgesellschaften aus Holland  
und die dazu gehörigen bodenprofile.



Nederl. Kruidk. Arch. (Cont.)

Kloos, A. W. jr.

De nederlandse vormen van *Alchemilla vulgaris* L.  
Nederl. Kruidk. Arch. 1933:120-146. illus. (maps).  
D.15,1933. no.43.

Koopmans-Forstmann, D. & Koopmans, A. N.

De spontane vegetatie van het kornwerderzand en  
van de verbindingsdijk met de Friese kust. Nederl.  
Kruidk. Arch. 1933:360-396. illus. D.15, 1933.  
no.43.

Soest, J.L. v.

Flora van Arnhem. VIII. (concl.) Nederl.  
Kruidk. Arch. 1933:259-271. illus. (map). D.15,  
1933. no.43.

Uittien, H.

*Salvia*-bastaarden. III. Nederl. Kruidk. Arch.  
1933:235-258. illus. D.15,1933. no.43.

Soest, J. L. v.

De flora van de Ijseldelta. Nederl. Kruidk.  
Arch. 1933:421-482. illus. D.15,1933. no.43.

Vermeulen, P.

*Orchis praetermissa* (Druce) en *Orchis latifolia*  
*junialis* (m). Nederl. Kruidk. Arch. 1933:397-420.  
English summary: p.408-409.

Weevers, T.

Bosrelikten in de Gelderse Vallei. Nederl.  
Kruidk. Arch. 1933:191-234. illus. D.15,1933.  
no.43.

English summary: p.228-231.

New Flora & Silva (London) (80M422)

Comber, J.

The hardier species of *Styrax*. New Flora &  
Silva 6:118-123. Ja.1934. no.2.

Lawrence, W.

*Brunsdonna*. New Flora & Silva 6:92-93.  
pl.xxx-xxxi. Ja.1934. no.2.

Maxwell, H.

*Lilium chalcedonicum*. New Flora & Silva  
6:106. col.pl. Ja.1934. no.2.



New Flora & Silva (Cont.)

Nelmes, A.

Cultivated plants and their introduction. I. Japan  
New Flora & Silva 6:134-144. Ja.1934. no.2.

Niklitschek, A.

Armed plants. New Flora & Silva 6:96-99.  
pl.xxxiii-xxxvi. Ja.1934. no.2.

Pam, A.

The cultivation of hardy orchids. New  
Flora & Silva 6:86-91. pl. xxviii-xxix. Ja.  
1934. no.2.

Foulsen S.

The Poulsen roses. New Flora & Silva  
6:75-79. pl.xxvi-xxvii. Ja.1934. no.2.

Rothschild, L. de.

Some new rhododendrons. New Flors & Silva  
6:80-85. Ja. 1934. no.2.

Schneider, C.

Mock oranges. New Flora & Silva 6:113-117.  
pl.xxxix-xlii. Ja.1934. no.2.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Woodhead, C. E.

Rooting habit of Northern Spy apple stocks.  
New Zeal. Journ. Agr. 47:362-365. illus.  
D.20,1933. no.6.

Occas. Notes Hong Kong Hort. Soc. (87H75)

Herklots, G. A. C.

The cultivation of orchids in Hong Kong.  
Occas. Notes Hong Kong Hort. Soc. 2:1-23. illus.,  
6 pl. Mr.1933.

Herklots, G. A. C.

Flowering shrubs and climbers. Occas. Notes  
Hong Kong Hort. Soc. 2:23-33. illus. Mr.1933.

Herklots, G. A. C.

Thunbergia. Occas. Notes Hong Kong Hort. Soc.  
1:14-21. 4pl. F.1931.

Hong Kong Horticultural Society

Gardening vocabulary in English and Chinese.  
Its Occas. Notes no.3. 29 p. Mr.1933.

Issued some years previously, mainly the work  
of L. Gibbs, now revised by H. Green, A. Tse &  
G. A. C. Herklots. Includes names of ornamental  
plants and trees, vegetable and fruits.



Orchid Rev. (Richmond, Engl.) (800r15)

Ariza Julia, L.

Two interesting *Oncidium*s of Santo Domingo.  
Orchid Rev. 42:11-12. illus. Ja.1934.  
no.487

*O.henckenii*, *O. variegatum*.

Black, J. M.

*Brassocattleyas*. Orchid Rev. 42:16-23.  
illus. Ja.1934. no.387.

Carr, C. E.

*Dendrobium takahashii*, sp. nov. Orchid  
Rev. 42:14-15. illus. Ja.1934. no.487.

Philipp. Agr. (Los Baños) (25P542)

Jones, L. R.

Disease resistance in plants. Philipp.  
Agr. 22:459-464. D.1933. no.7.

Notes prepared by G. O. Ocfemia from an  
Address delivered by Prof. L. R. Jones.

Mendiola, N. B.

A method of plant improvement based on the  
use of hidden heritable bud variations and those  
produced through injury. Philipp. Agr. 22:465-  
508. illus. D.1933. m.7.

Philipp. Journ. Agr. (25P543)

Adriano, F. T. & Cruz, R. A.

The chemical composition of Philippine mush-  
rooms. Philipp. Journ. Agr. 4:1-11. xi pl.  
1933. no.1.

Phytopath. (464.8P56)

American phytopathological society

Abstracts of papers presented at the 25th  
annual meeting ... Boston, Dec. 28,-30, 1933.  
Phytopath. 24:1-21. Ja.1934. no.1.

Doolittle, S. P. & Wellman, F. L.

*Commelina nudiflora*, a monocotyledonous host  
of a celery mosaic in Florida. Phytopath.  
24:48-61. illus. Ja.1934. no.1.

Johnson, T.

A tropic response in germ tubes of urediospores  
of *Puccinia graminia tritici*. Phytopath. 24:80-  
82. illus. Ja. 1934. no.1.



Phytopath. (Cont.)

Ivanoff, S. S.

A plant inoculator. Phytopath. 24:74-76.  
illus. Ja.1934. no.1.

Jenkins, A. E.

A species of Sphaceloma on avocado.  
Phytopath. 24:84-85. Ja.1934. no.1.  
S. perseae, n. sp.

Palmiter, D. H.

Variability in monoconidial cultures of  
Venturia inaequalis. Phytopath. 24:22-47.  
illus. Ja.1934. no.1.

Snyder, W. C.

Pod deformation of mosaic-infected peas.  
Phytopath. 24:78-80. illus. Ja.1934. no.1.

Stevens, N. E.

Losses from potato late blight in 1885 and  
1886. Phytopath. 24:76-78. illus.(maps).  
Ja.1934. no.1.

Strain, R. W.

An improved method of bleaching and clearing  
leaves. Phytopath. 24:82-84. Ja.1934. no.1.

Trumbower, J. A.

Control of elm leaf spots in nurseries.  
Phytopath. 24:62-73. illus. Ja.1934. no.1.  
Leaf spots due to Gnomonia ulmea, Gloeosporium  
ulmicolum & G. inconspicuum.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Agerberg, L. S., Schmidt, M. & Sengbusch, R. B.

Der einfluss künstlicher kultur auf das  
verhalten der konidien von Cladosporium fulvum.  
Planta Arch. Wiss. Bot. 21:511-513. D.18,1933.  
no.3.

Boysen Jensen, P.

Ueber die bestimmung der assimilationsinter-  
sität. Planta. Arch. Wiss. Bot. 21:368-380.  
illus. D.18,1933. no.3.

Laibach, F. & Kormann, E.

Zur frage des wuchsstofftransportes in der  
haferkoleoptile. Planta Arch. Wiss. Bot. 21:396-  
418. illus. D.18,1933. no.3.



Planta Arch. Wiss. Bot. (Cont.)

Linder, E.

Bemerkungen zu dem aufsatz H. Cammerloher:  
Die bestäubungseinrichtungen der blüten von  
*Aristolochia lindneri* Berger. *Planta Arch.*  
*Wiss. Bot.* 21:514. D.18,1933. no.3.

Mothes, K.

Der tonoplast von *Sphaeroplea*. *Planta Arch.*  
*Wiss. Bot.* 21:486-510. illus. D.18,1933.  
No.3.

Pekarek, J

Ueber die aziditätsverhältnisse in den  
epidermis-und schliesszellen bei *Rumex acetosa*  
im licht und im dunkeln. *Planta Arch. Wiss.*  
*Bot.* 21:419-446. illus. D.18,1933. no.3.

Poddubnaja-Arnoldi, V.

Spermazellen in der familie der *Dipsacaceae*.  
*Planta Arch. Wis. Bot.* 21:381-386. illus.  
D.18,1933. no.3.

Schlotmann, A.

Nachtrag zu der arbeit: untersuchungen über  
die struktur pflanzlicher haare und fasern.  
*Planta Arch. Wiss. Bot.* 21:515-516. D.18,1933.  
no.3.

Schmidt, J.

Zur entwicklungsmechanik des perizyklischen  
korkes bei *Circaea intermedia*. *Planta Arch.*  
*Wiss. Bot.* 21:387-395. illus. D.18,1933.  
no.3.

Seybold, A.

Zur klärung des begriffes transpirations-  
widerstand. *Planta Arch. Wiss. Bot.* 21:353-  
367. D.18,1933. no.3.

Troll, W.

Beiträge zur morphologie des gynaeceums. IV.  
Ueber das gynaeceum der *nyctagynaceae*. *Planta*  
*Arch. Wiss. Bot.* 21:447-485. illus. D.18,  
1933. no.3.

Proc. Florida State Hort. Soc.

Kuntz, W. A. & Ruehle, G. D.

Melanose and stem-and roots of citrus trees.  
*Proc. Florida State Hort. Soc.* 46(1933): 87-91.  
1933.



Proc. Florida State Hort. Soc. (Cont.)

Miller, R. L., Bassett, I. P. & Yothers W. W.  
The effect of lead arsenate insecticides on  
citrus fruits. Proc. Florida State Hort. Soc.  
46(1933):57-71. 1933.

Robinson, T. R.

Polination and other factors influencing the  
production of avocados. Proc. Florida State  
Hort. Soc. 46(1933)109-114. 1933.

Winston, J. R.

Some factors influencing decay in Florida  
citrus fruits. Proc. Florida State Hort. Soc.  
46(1933):82-84. 1933.

Proc. Linn. Soc. N. S. W. (Sydney) (514Sy2)

Rupp, H. M. R.

Notes on New South Wales and Queensland  
orchids. Proc. Linn. Soc. N. S. W. 58:223-228.  
illus. S.15,1933. no.3/4(247/248)

Vickery, J. W.

Vegetative reproduction in *Drosera peltata*  
and *D. auriculata*. Proc. Linn. Soc. N. S. W.  
58:245-269. illus., pl.viii. S.15,1933.  
no.3/4(247-248).

Queensl. Agr. Journ. (Brisbane) (27233)

Bell, A. F.

A new disease of cane in north Queensland.  
Queensl. Agr. Journ. 40:460-464. illus. D.1,  
1933. no.6.

Similar to leaf scald but a distinct disease.  
Known in Java as "fourth disease" and in Hawaii  
as "chlorotic streak".

Mandelson, L. F.

Additional recommendations for the control of  
blue mold of tobacco. Queensl. Agr. Journ.  
40:465-469. illus. D.1,1933. no.6.

Mandelson, L. F.

Citrus psorosis control. Queensl. Agr.  
Journ. 40:504-507. illus. D.1,1933. no.6.

Mandelson, L. F.

Fungicidal experiments for the control of blue mould  
of tobacco. Queensl. Agr. Journ.  
40:470-494. illus. D.1,1933. no.6.



Repert. Spec. Nov. Fedde (Berlin) (450R29)

Burret, M.

*Ectris cehune* S. Watson - *Astrocaryum*  
*mexicanum* Liebm. Repert. Spec. Nov. Fedde  
32:98-99. Mr.1,1933. no.1/8.

Burret, M.

Eine neue chinesische *Grewia*-art. Repert.  
Spec. Nov. Fedde 33:74. J1.17,1933. no.1/7.

Burret, M.

*Palmae gerontogaeae*. II. Repert. Spec. Nov.  
Fedde 32:115-117. Mr.1,1933. no.1/8.

Burret, M.

*Palmae neogaeae*. III Repert Spec. Nov.  
Fedde 32:102-115. Mr.1,1933. no.1/8.

Burret, M.

Ueber die verbreitung von *Sabal mauritiiformis*  
(Karst.) Gris. et H. Wendl. und andere arten von  
*Sabal*. Repert. Spec. Nov. Fedde 32:100-101.  
Mr.1,1933. no.1/8.

Cretzoiu, P.

*Miscellanea systematica et phytogeographica*. I.  
Repert. Spec. Nov. Fedde 33(Repert. Europ. & Med.  
3, 50/51): 101-102. J1.17,1933. no.1/7.

Diapulis, C.

Beitrage zur kenntnis der orientalischen  
*pomaceen* (*Pirus*, *Sorbus*, *Creataegus*). Repert.  
Spec. Nov. Fedde 34:29-72. N.25,1933. no.1/9.

Dinsmore, J. E.

*Novitiae ex flora of Syria, Palestine and*  
*Sinai*. (*Plantae Postianae et Dinsmorianaee*. I.).  
Repert. Spec. Nov. Fedde 33(Repert. Europ. & Med.  
3, 50/51): 102-110. J1.17, 1933. no.1/7.

Epling, C.

Synopsis of the genus *Hyptis* in North America.  
Repert. Spec. Nov. Fedde 34:73-130. N.25,1933.  
no.1/9.

Furtado, C. X.

The limits of the genus *Areca* Linn. and its  
sections. Repert. Spec. Nov. Fedde 33:217-239.  
N.15,1933. no.8/17.



Repert. Spec. Nov. Fedde (Cont.)

Görz, R.

Salicaceae asiaticae. I. Repert. Spec.  
Nov. Fedde 32:117-123, 387-398. Mr.1, Je.30,  
1933. no.1/8,9/25.

Fasciculus I wurde von R. Görz im selbstverlage  
gedruckt; es werden daher hier nur die neuen arten,  
formen usw. gebracht.

Hillmann, J.

Zur benennung einiger Parmeliopsis-arten.  
Repert. Spec. Nov. Fedde 33:168-176. N.15, 1933.  
no.8/17.

Koster, J. T.

Die compositen der Elbertschen Sunda-expedition  
des Frankfurter vereins für geographie und statistik  
(1909-1910). Repert. Spec. Nov. Fedde 34:1-29.  
N.25, 1933. no.1/9.

Lipschitz, S. J.

Einige neue Scorzonera-arten und systematische  
notizen. Repert. Spec. Nov. Fedde 33:165-168.  
N.15, 1933. no.8/17.

Malakatês, S.

Die flora von Andros. Repert. Spec. Nov.  
Fedde 33 (Repert. Europ. & Med. 3, 50/51):81-101.  
Jl.17, 1933. no.1/7.

Moldenke, H. N.

Novitates in Aegiphila et Callicarpa, Verbena-  
cearum generibus, ex America tropica. Repert.  
Spec. Nov. Fedde 33:113-143. N.15, 1933. no.8/17.

Niendenzu, F.

Malpighiaceae novae. Repert. Spec. Nov.  
Fedde 33:69-72. Jl.17, 1933. no.1/7.

Mascagnia hirsuta, Banisteria orbicularis,  
Stigmatophyllum digitatum, Malpighia ekmanii,  
& Byrsonima cretacea n. spp.

Parijs, J. P.

Some new Dipterocarps, [which yield] damar  
resin. Repert. Spec. Nov. Fedde 33:243-244.  
N.15, 1933. no.8/17.

Hopea ferruginea, H. paucinervis, H. laevifolia,  
Shorea vandekoppeli, S. virescens, & S. gentilis  
n. spp.



Repert. Spec. Nov. Fedde (Cont.)

Pavlov, N. P.

Specierum et varietatum novarum generis  
Calligoni florae rossicae descriptiones.  
Repert. Spec. Nov. Fedde 33:144-158. N.15,  
1933. no.8/17.

Pfeiffer, H.

Cyperaceen aus Nordbrasilien und dem angren-  
zenden Venezuela. Repert. Spec. Nov. Fedde  
33:192-216. N.15,1933. no.8/17.

Poellnitz, K. v.

Die aufteilung der gattung Mesembryanthemum L.  
Repert. Spec. Nov. Fedde 32:1-73. Mr.1,1933.  
no.1/8.

Poellnitz, K. v.

Drei neue Haworthia-arten. (H. integra H.  
magnifica und H. paradoxa). Repert. Spec. Nov.  
Fedde 33:239-241. N.15,1933. no.8/17.

Poellnitz, K. v.

Gasteria lutzii spec. nov. aus dem Kapland.  
Repert. Spec. Nov. Fedde 33:242-243. N.15,1933.  
no.8/17.

Poellnitz, K. v.

Haworthia starkiana von Poellnitz spec. nov.  
Repert. Spec. Nov. Fedde 33:73-74. J1.17,1933.  
no.1/7.

Poellnitz, K. v.

Nachtrag zu meiner Anacampseros-monographie.  
Repert. Spec. Nov. Fedde 33:72-73. J1.17,1933.  
no.1/7.

Poellnitz, K. v.

Neue Portulaca-arten. Repert. Spec. Nov.  
Fedde 33:158-165. N.15,1933. no.8/17.

Poellnitz, K. v.

Sedum brandtianum spec. nov. Repert. Spec.  
Nov. Fedde 33:241-242. N.15,1933. no.8/17.

Range, P.

Die flora des Namalandes. II. Repert. Spec.  
Nov. Fedde 33:1-22. J1.17,1933. no.1/7.

Rechinger, K. H. jr.

Vegetationsskizzen aus Bulgarien. Repert.  
Spec. Nov. Fedde 33(Repert. Europ. & Med. 3, 52):  
257-272. N.15,1933. no.8/17.



Repert. Spec. Nov. Fedde (Cont.)

Rodin, L.

*Chondrilla articulata*. Repert. Spec. Nov.  
Fedde 34:136. pl.clxii. N.25,1933. no.1/9.

Schmidt, O. C.

Beiträge zur kenntnis der aristolochiaceen. IV.  
Repert. Spec. Nov. Fedde 32:95-96. Mr.1,1933.  
no.1/8.

Schmidt, O. C.

Beiträge zur kenntnis der flora Westindiens. VI-  
VII. Repert. Spec. Nov. Fedde 32:73-94. Mr.1,  
1933; 33:176-183. N.15,1933. no.1/8,8/17.

Schmidt, O. C.

Zwei neue pflanzen aus den Anden Südamerikas.  
Repert. Spec. Nov. Fedde 32:97-98. Mr.1,1933.  
no.1/8.

*Gallesia ovata*, *Weinmannia trollii*.

Schulz, O. E.

Beiträge zur kenntnis der gattung *Nasturtium*  
R. Br. II. Repert. Spec. Nov. Fedde 34:131-136.  
N.25,1933. no.1/9.

Schulz, O. E.

Ueber verschiedene cruciferen. Repert. Spec.  
Nov. Fedde 33:183-191. N.15,1933. no.8/17.

*Hartwegiella* (n.gen.) *H. nasturtioides*,  
*Ivania* (n.gen.) *I. cremnophila*, *Descurainia*  
*chubutica*, *Sisymbrium castellanosii*, n. spp.

Smith, J. J.

Enumeration of the Orchidaceae of Sumatra and  
neighbouring islands. Repert. Spec. Nov. Fedde  
32:129-386. Jc.30,1933. no.9/25.

Wolff, H.

*Umbelliferae asiaticae novae relictiae*. V.  
Repert. Spec. Nov. Fedde 33:75-80,244,251.  
Jl.17,N.15,1933. no.1/7,8/17.

Zahlbruckner, A.

Flechten der insel Formosa. (concl.) Repert.  
Spec. Nov. Fedde 33:22-68. Jl.17,1933. no.1/7.



Rep. Subord. Off. Dept. Agr. Madras (22M26Re)  
Sundararaman, S.

Administration report of the government  
mycologist, 1932/33. Rep. Subord. Off. Dept.  
Agr. Madras 1932/33:145-147. 1933.

Rev. Soc. Rur. Brasil. (São Paulo) (9.2B733)  
Bittencourt, A.

A podridão do pé das laranjeiras. Rev.  
Soc. Rur. Brasil. 13:661-665. illus. D.1933.  
no.160.

Schweiz. Landw. Monatsh. (Bern.) (17Sch93)  
Krebs, J.

Der einfluss der bodentemperatur auf die  
infektion von weizenkeimlingen durch *Ophiobolus*  
*graminis* Sacc., dem erreger der schwarzbeinigkeit.  
Schweiz. Landw. Monatsh. 11:285-291. illus.  
1933. no.11.

Science (470Sci2)

Orth, O. S., Wickwire, G. C. & Burge, W. E.

Copper in relation to chlorophyl and hemoglobin  
formation. Science 79:33-34. Ja.12,1934.  
no.2037.

Investigation to determine the effect of copper  
sulphate on the chlorophyl content of "frenched"  
orange trees.

Russell, P. G.

Homer Collar Skeels. Science 79:49.  
Ja.19,1934. no.2038.

Suit, R. F. & Hibbert, H.

A starchless potato induced by the introduction  
of foreign enzymes. Science 79:78-79. Ja.26,  
1934. no.2039.

White, D.

Some erroneous age record of Paleozoic plant  
genera. Science 79:77-78. Ja.26,1934.  
no.2039.

Mitogenetic rays may exist, but physical proof  
of their existence is lacking. Science v.79,  
no.2038. Suppl. p.8. Ja.19,1934.

Investigations by Dr. J. W. Schereschewsky.

A substance identical with a female sex hormone,  
theelin, obtained from palm nuts. Science v.79,  
no.2038. Suppl. p.8. Ja.19,1934.

Discovery of Prof. A. Butenandt & Prof. H.  
Jakoby of the University of Göttingen.



Science News Letter (470Sci24)

Water in plants ascends as vapor, new theory holds. Science News Letter 25:22. Ja.13,1934. no.666.

Report of experiments of George J. Peirce given at meeting of Botanical society of America.

"Electric eye" built to tell area of leaves. Science News Letter 25:25. Ja.13,1934. no.666.

Apparatus described by R. B. Withrow at meeting of American society of plant physiologists.

Scient. Amer. (New York) (470Sci25)

Pack, C. L.

Blister busters. Scient. Amer. 150:61-63. illus. F.1934. no.2.

Fighting the blister rust with the C.C.C.

Das Superphosphat (Berlin) (57.8Su72)

Hille, E.

Nachruf für Prof. Dr. Erwin Baur, Müncheberg. Das Superphosphat 9:121-122. port. D.1933. no.6.

Svensk Bot. Tidskr. (450Sv2)

Palm, B. T.

The gametophytes on a composite affected with "aster yellows". Svensk Bot. Tidskr. 27:420-437. illus. 1933. no.4.

Aster-yellows on Troximon.

Skärman, J. A. O.

Från exkursioner på Silurbergen i östra Falbygden. (Aus exkursionen auf den silurbergen im ostlichen Falbygden). Svensk Bot. Tidskr. 27:365-399. illus.(map). 1933. no.4.

Weimarck, H.

Die verbreitung einiger afrikanisch-montanen pflanzengruppen. I-II. Svensk Bot. Tidskr. 27:400-419. illus. 1933. no.4.

I. Die gattung Sparmannia. II. Die Cerastium africanum-gruppe.

Sveriges Pomol. För. Årsskr. (86Sv2)

Callmar, G.

Några erfarenheter om äldre och nyare applesorter vid experimentalfältets trädgårdsavdelning. Sveriges Pomol. För. Årsskr. 1933:209-224. illus. 1933. no.4.



Thar. Forstl. Jahrb. (Berlin) (99.8T32)

Gierisch, W.

Die chemische natur des lignins. Thar:  
Forstl. Jahrb. 84:803-821. 1933. no.12.

La Terre Maroc. (Rabat) (24T44)

Miège, E.

Les plantes fourragères du Maroc. (cont.)  
La Terre Maroc. 3(46):11-31. illus. D.15,  
1933; 4(47):15-23. illus. Ja.1,1934.

Trans. Brit. Mycol. Soc. (London) (451B76)

Chesters, C. G. G.

*Azygozygum chlamydosporum* nov. gen. et sp.,  
a phycomycete associated with a diseased condition  
of *Antirrhinum majus*. Trans. Brit. Mycol. Soc.  
18:199-214. illus., pl.xi. D.13,1933. no.3.

Dennis, R. W. G.

Studies in the morphology and biology of  
*Helminthosporium avenae*. Trans. Brit. Mycol.  
Soc. 18:223-238. illus., pl.xii-xv. D.15,  
1933. no.3.

Ghamrawy, A. K.

Rotting of *Taltonia* bulbs caused by *Fusarium*  
*culmorum* (W.G. Sm.) Sacc. and *Penicillium corym-*  
*biferum* Westling. Trans. Brit. Mycol. Soc.  
18:249-252. D.13,1933. no.3.

McDonald, J.

Two new records of physiologic forms of wheat-  
stem rust in Kenya Colony. Trans. Brit. Mycol.  
Soc. 18:218-222. D.13,1933. no.3.

Natrass, R. M.

A new species of *Hendersonula* (*H. toruloidea*)  
on deciduous trees in Egypt. Trans. Brit. Mycol.  
Soc. 18:189-198. illus., pl.ix-x. D.13,1933.  
no.3.

Ramsbottom, J.

*Tremella mycetophila* Peck. Trans. Brit.  
Mycol. Soc. 18:253-256. pl.xvii-xviii. D.13,  
1933. no.3.

Teratological form of *Collybia dryophila*.

Silow, R. A.

A systemic disease of red clover caused by  
*Botrytis anthophila* Bond. Trans. Brit. Mycol.  
Soc. 18:239-248. illus., pl.xvi. D.13,1933.  
no.3.



Trans. Brit. Mycol. Soc. (cont.)

Sparrow, F. K. jr.

New chytridiaceous fungi. Trans. Brit. Mycol. Soc. 18:215-217. D.13,1933. no.3.

Septolpidium, Rhizidiopsis, Scherffelia, Sporophlyctidium new genera, Pleolpidium polyphagi, Podochytrium lanceolatum n. spp.

U. S. Dept. Agr. Circ. (1Ag84C)

Christie, J. R. & Stevens, N. E.

Strawberry dwarf. U. S. Dept. Agr. Circ. 297. 8 p. illus. D.1933.

U. S. Dept. Agr. Miscellaneous mimeographed publications.

Weiss, F.

Carnation rust. Washington, D. C., Ja.1934.

Mimeographed publ. from Div. of fruit and vegetable crops and diseases, Bur. of plant industry, U. S. Dept. of agriculture.

Weiss, F.

Chrysanthemum diseases. Washington, D. C., N.1933.

Mimeographed publ. from Div. of fruit and vegetable crops and diseases, Bur. of plant industry, U. S. Dept. of agriculture.

Weiss, F.

The diseases of box (*Buxus sempervirens*). Washington, D. C., Ja.1934.

Mimeographed publ. from Div. of fruit and vegetable crops and diseases, Bur. of plant industry, U. S. Dept. of agriculture.

Weiss, F.

Diseases of rhododendrons in ornamental plantings. Washington, D. C., Ja.1934.

Mimeographed publ. from Div. of fruit and vegetable crops and diseases, Bur. of plant industry, U. S. Dept. of agriculture.

Zeitschr. Parasitenk. (442.8Z33F)

Reinking, O. A. & Manns, M. M.

Parasitic and other fusaria counted in tropical soils. Zeitschr. Parasitenk. 6:23-75. illus. S.6,1933. no.1.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Braun, H.

Pfropfenbildung in der kartoffelknolle. Zeitschr. Pflanzenkr. 44:24-35. illus. Ja. 1934. no.1.



Zeitschr. Pflanzenkr. (Cont.)

Goffart, H.

Die bestimmung von rüben-, hafer- und kartoffelnematoden auf grund von bodenuntersuchungen. Zeitschr. Pflanzenkr. 44:36-41. illus. Ja.1934. no.1.

Klebahn, H.

Eine blattkrankheit der edelkastanie und einige sie begleitende pilze. Zeitschr. Pflanzenkr. 44:1-23. illus. Ja.1934. no.1.

Caused by *Mycosphaerella castanicola* n. sp., other fungi, *Lophiotrema* (*Lophiosphaera*) *castaneae*, *Venturia* (?) *castaneae*, n. spp.

Exp. Stat. Publ.

Anderson, H. W. & Kadow, K. J.

Anthracnose and gray bark of red raspberries. Identification and control. Illinois Agr. Exp. Stat. Bull. 383:283-292. illus. S.1932. (100I16S)

Gray bark a stage of anthracnose.

Bliss, D. E.

The pathogenicity and seasonal development of *Gymnosporangium* in Iowa. Iowa Agr. Exp. Stat. Res. Bull. 166:340-392. illus. N.1933. (100Io9)

Fletcher, L. A.

A study of the factors influencing red color on apples. Maryland Agr. Exp. Stat. Bull. 353:79-119. Jl.1933. (100M36S)

New Jersey agricultural experiment station - Dept. of plant pathology.

Chlorine and plant growth. In its Nursery Dis. Notes 6:21-24. D.1933. (464.9N46)

Tukey, H. B. & Brase, K. D.

Influence of the cion and of an intermediate stem-piece upon the character and development of roots of young apple trees. New York Agr. Exp. Stat. Techn. Bull. 218. 50 p. illus. N.1933. (100N48)



State Publications

Ball, W. S. & Robbins, W. W.

*Heliotrope* (*Heliotropium curassavicum* L.).  
Month. Bull. Dept. Agr. Calif. 22:379-380.  
col.pl. Jl./N.1933. (2C12M)

Ball, W. S. & Robbins, W. W.

*Sandbur* (*Cenchrus pauciflora* Benth.). Month.  
Bull. Dept. Agr. Calif. 22:318. col.pl.(front.)  
Jl./N.1933. (2C12M)

Goss, W. L. & Bunting, L.

Progress report on length of time flower seeds  
retain their viability under favorable storage  
conditions. Month. Bull. Dept. Agr. Calif.  
22:413-415. Jl./N.1933. (2C12M)

New Books

Clapp, R.

Woody plants for landscape planting in Maine.  
Orono, Me., University press, 1933. (Maine  
bulletin v.36, no.1 - Univ. Maine Studies 2d ser.,  
no.28) (97.3C53)

Fisher, F. H., ed.

The scree garden, experiments and experiences  
among high alpine plants. Flowerwood, Capel,  
Surrey, D.1933 (Alpine garden society's Quarterly  
bulletin no.14) (97.14F53)

Stefanov, B.

Die mediterranean-orientalischen arten der gattung  
*Hypericum*. Pflanzenareale --- hrsg. von E. Hannig  
& H. Winkler. Jena, G. Fischer. reihe 4, h. 1.  
1933. (f<sup>o</sup>452.9H192)

Su, M. T.

Report of the mycologist, Burma, Mandalaya, for  
the year ended the 31st March 1933. Rangoon,  
1933. (464.9In24)

Translations filed in Library of Bur. of Plant Industry.

Bunschoten, G. E.

Invloed van de voeding op de virulentie van  
schimmels. (The influence of nutrition on the  
virulence of fungi). Baarn, 1933.

Burr, S. & Turner, D.M.

British economic grasses. Their identification  
by the leaf anatomy. London, E. Arnold, 1933 (452.3B94)



Reprints from publications not yet rec'd or not available.  
Shimada, S.

Further studies on the nature of the growth promoting substance excreted by the "bakanae" fungus. Reprinted from Ann. Phytopath. Soc. Japan v.2, no.5. 1932. 7 p. pl.

Takenouchi, M.

The genus *Viola* in Kyushi II. Reprinted from Journ. Nat. Hist. Fukuoka v.1, no.2, p.131-142. illus., col.pl. 5. Jl.1933. (J452.35T13)

Tochinae, Y. & Shimamura, M.

Studies on the physiologic specialization in *Piricularia oryzae* Br. et Cov. Reprinted from Ann. Phytopath. Soc. Japan v.2, no.5. 1932. 28 p. 2 pl.

Non-current indexing.

Bull. Stat. Agron. Réunion (108R31)

Kopp, A. & Emmerez de Charmoy, D. d.

Observations nouvelles concernant la mosaïque de la canne à sucre et le streak du maïs. Bull. Stat. Agron. Réunion 3:1-10. pl. 1932.

Kopp, A. & Emmerez de Charmoy, D. d.

Situation actuelle de la mosaïque de la canne à la Réunion. Bull. Stat. Agron. Réunion 3:11-20. illus.(map) 1932.

Kopp, A. & Emmerez de Charmoy, D. d.

Trois maladies de la canne nouvelles pour la Réunion. Bull. Stat. Agron. Réunion 3:21-26. 3 pl. 1932.

Pokkah bong, twisted top (feuilles tordues), la cancer ou balai de sorcière de la canne à sucre.



# BOTANY

## CURRENT LITERATURE

LIBRARY  
RECEIVED

★ FEB 4 1934 ★

U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.

COMPILED FROM PUBLICATIONS RECEIVED IN THE

LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 3

Jan. 29-Feb. 10, 1934.

Advisory Leaflet. Min. Agr. Gt. Brit. (10G79La)  
Great Britain. Ministry of agriculture & fisheries.  
Bracken. Its Adv. Leaflet. 190. 4 p.  
Jan. 1934.

Amer. Journ. Bot. (450Am36)  
Allen, W.E.  
Boat catches of marine phytoplankton in  
southern California in 1928. Amer. Journ.  
Bot. 21: 66-68. F. 1934. no. 2.

Brittingham, W. H.  
Cytological studies on some genera of the  
Iridaceae. Amer. Journ. Bot. 21: 77-83. pl.  
F. 1934. no. 2.

Chance, H. L.  
The influence of various types of defoliation  
and leaf wounding upon the growth and yield of  
beans. Amer. Journ. Bot. 21: 85-108. illus.  
F. 1934. no. 2.

Johnson, A. M.  
Studies in Saxifraga. III. Saxifraga. Section  
Micranthes. Amer. Journ. Bot. 21: 109-112.  
pl. F. 1934. no. 2.

Lindgegren, C. C.  
The genetics of Neurospora. IV. The inheritance  
of tan versus normal. Amer. Journ. Bot. 21: 55-  
65. pl. F. 1934. no. 2.

Macht, D. I.  
Growth of *Lupinus albus* seedlings in solutions  
of some amino-acids. Amer. Journ. Bot. 21: 72-76.  
F. 1934. no. 2.



Amer. Journ. Bot. (cont.)

Taubenhaus, J. J. & Ezekiel, W. N.

Alkali scorch of Bermuda onions. Amer.  
Journ. Bot. 21: 69-71. illus. F. 1934.  
no.2.

Shipping and storage injury.

Amer. Orchid Soc. Bull. (80Am329)

Lumsden, D.

Calanthe. Amer. Orchid Soc. Bull. 2: 40-  
41. illus. D. 1933. no.3.

Wherry, E. T.

Native orchids. Our eastern orchids and their  
cultivation. 4. The spurred orchids (Orchis and  
Habenaria). Amer. Orchid Soc. Bull. 2:51-53.  
illus. D. 1933. no.3.

Ann. Inst. Pasteur (Paris) (448.3An75)

Bertrand, G. & Brooks, G.

Recherches sur le latex de l'arbre a laque  
du Cambodge (Melanorrhoea laccifera Pierre).

Ann. Inst. Pasteur 52: 68-75. Ja. 1934. no.1.

Volkonsky, M.

Sur la nutrition de quelques champignons  
saprophytes et parasites. Ann. Inst. Pasteur  
52: 76-101. Ja. 1934. no.1.

Ann. Sci. Nat. Bot. (Paris) (450An75)

Costantin, J.

Evolution de nos conceptions sur la  
dégénérescence et la symbiose. Ann. Sci. Nat. X,  
Bot. 15: i-liv. illus. D. 1933. no.2.

Costantin, J., Lebard, P. & Magrou, J.

Nouvelles expériences sur la productivité de  
la pomme de terre. Influence de la nature du sol  
et des conditions de culture. Ann. Sci. Nat. X,  
Bot. 15: 329-333. pl. i. D. 1933. no. 2.

Galap, V.

Etude d'anatomie systématique sur les bulbes  
de quelques scillées (liliacées). Ann. Sci.  
Nat. X, Bot. 15: 307-327. illus. D. 1933. no.2.

Lebard, P. & Magrou, J.

Culture de la pomme de terre en montagne et  
en plaine. Nouvelles expériences sur l'optimum  
altitudinal. Ann. Sci. Nat. X, Bot. 15: 335-343.  
D. 1933. no.2.



Ann. Rep. Dept. Agr. Nyasaland Prot. (24N93A)

Leach, R.

Report of the mycologist for 1932. Ann. Rep.  
Dept. Agr. Nyasaland Prot. 1932: 53-54. 1933.

Arch. Biol. Reichsanst. Land- u. Forstw. Berlin. (410.9G31)

Herschler, A.

Analysen von rebblättern zur feststellung des  
nährstoffbedürfnisses des bodens und zur erkenntung  
von ernährungsstörungen. Arb. Biol. Reichsanst.  
Land- u. Forstw. Berlin 20: 633-666. illus.  
Je. 1933. no.5.

Rademacher, B.

Weitere untersuchungen über die ursachen der  
flüssigkeit beim hafer und deren abhängigkeit von  
der herkunft des saatzgutes. Arb. Biol. Reichsanst.  
Land- u. Forstw. Berlin 20: 587-602. Je. 1933.  
no. 5.

Arb. Landwirtschaftskam. Hessen (Darmstadt)

Ihne, E.

Phaenologische mitteilungen jahrgang 1931.  
Arb. Landwirtschaftskam. Hessen nr.50. 40 p.  
1933.

Austral. Journ. Exp. Biol. & Med. Sci. (Adelaide) (442.8Au7)

Wood, J. G.

The nitrogen metabolism of the leaves of  
*Atriplex mummularium*. Austral. Journ. Exp.  
Biol. & Med. Sci. 11: 237-252. D.16, 1933. no.4.

Beih. Bot. Centralbl. Abt.II. (Dresden) (450B65Bo)

Feinbrun, N.

Ein beitrag zur kenntnis der flora des Amanus-  
gebirges (Syrien). Beih.Bot. Centralbl. Abt.II  
51: 374-388. D. 1933. no.2.

Feinbrun, N.

Ueber die varieabilität von *Trigonella*  
*monspeliaca* L. und die pflanzengeographischen  
verhältnisse ihrer formen. Beih. Bot. Centralbl.  
Abt.II. 51: 389-396. illus. D.1933. no.2.

Feurstein, P.

Geschichte des Viller Moores und des  
seerosenweihers an den Lanser Köpfen bei  
Innsbruck. Beih. Bot. Centralbl. Abt.II.  
51: 477-526. illus., pl. vii-ix. D.1933. no.2.



Beih. Bot. Centralbl. Abt. II (cont.)

Gross, H.

Zur frage des Weberschen grenzhorizontes in den östlichen gebieten der ombrogenen moorregion.  
Beih. Bot. Centralbl. Abt.II. 51: 305-353. illus.  
D. 1933. no.2.

Mikyska, R.

Vegetationsanalyse nebst einigen ökologischen beobachtungen auf dem berge Holik im Stiavnickó středohoří (Schemnitzer mittelgebirge). Beih. Bot. Centralbl. Abt.II. 51: 354-373. pl.v-vi.  
D. 1933. no.2.

Weimann, R.

Hydrobiologische und hydrographische untersuchungen an zwei teichartigen gewässern. Beih. Bot. Centralbl. Abt.II, 51: 397-476. illus.  
D.1933. no.2.

Bergcultures (Batavia, Java) (22.5B45)

Bangelan 124-01 en *Tylenchus similis*.

Bergcultures 7: 1363-1365. illus. D.16, 1933.  
no.50.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Jahn, E.

Myxomycetenstudien. 15. Somatische und generative kernteilungen. Ber. Deut. Bot. Ges. 51: 377-385. pl. ix. D.28, 1933. no.9.

Kolkwitz, R.

Zur ökologie der pflanzenwelt Brasiliens.  
Ber. Deut. Bot. Ges. 51: 396-406. illus. (map)  
pl.x-xii. D.28, 1933. no.9.

Leibach, F.

Versuche mit wuchsstoffpaste. Ber. Deut. Bot. Ges. 51: 386-392. illus. D.28, 1933. no.9.

Muth, F.

Eine durchwachsene erdbeerfrucht. Ber. Deut. Bot. Ges. 51: 393-395. illus. D.28, 1933. no.9.

Walter, H.

Ein neuer für botanische exkursionen geeigneter lichtmesser. Ber. Deut. Bot. Ges. 51: 362-376. illus. D.28, 1933. no.9.

"Metrophot".



Ber. Deut. Bot. Ges. (cont.)

Werth, E.

Erhaltenbleiben des chlorophylls in herbstlich  
verfärbten blättern. Ber. Deut. Bot. Ges. 51:  
360-361. pl. viii. D.28, 1933. no.9.

Bei gegenwart tierischer oder pflanzlicher  
schmarotzer. [Rhytisma acerinum auf Acer platanoides].

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Orechoff, A. & Proskurnina, N.

Ueber Sophora-alkaloide. IV. Ueber die alka-  
loide, von Sophora pachycarpa. Ber. Deut. Bot  
Ges. 67: 77-83. Ja.10, 1934. no.1.

Blätt. Pflanzenb., u. Pflanzenzücht. (Tetschan) (450B61)

Appl, J.

Artkreuzungen, geschlechtsvererbung und  
non-disjunction bei lippenblütlern aus der  
Thymiengruppe. Blätt. Pflanzenb. u. Pflanzen-  
zucht. III/IV; 11: 51-56. illus. D. 1933.

Bol. Agr. Zootecn. e Veterin. Minas-Gerais (9.2M66)

Gonçalves da Silva, S.

Notas sobre a clorose vegetal. Bol. Agr.  
Zootecn. e Veterin. Minas-Gerais 6: 360-362.  
illus. Je.1933. no.6.

Bol. Soc. Españ. Hist. Nat. (Madrid) (506M263B)

Toro, R. A.

Especies de Asterina Lév. en las melastomáceas.  
Bol. Soc. Españ. Hist. Nat. 33: 187-199. Jl.20,  
1933. no.5.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O.

Studies in Stelis. I. Bot. Mus. Leafl.  
Harvard Univ. v.2, no.1. 24 p. 5 p. Ja.20,  
1934.

Bot. Tidsskr. (København) (450B654)

Degelius, G.

Om lavfloran på holmarna Norde Rømmer i Kattegatt.  
Bot. Tidsskr. 42: 400-403. illus. 1933. no.4.  
Small island north of Laesö.

Ferdinandsen, C.

Ove Rostrup. Bot. Tidsskr. 42: 406-407. port.  
1933. no. 4.

Died June 25, 1933.



Bot. Tidsskr. (cont.)

Gabrielsen, E. K. & Iversen, J.

Die vegetation der halbinsel Skallingen. I.  
Die flora von Skallingen. Bot. Tidsskr.  
42: 355-383. illus. (incl.map) 1933. no.4.

Olsen, C.

Fr. Weis. Bot. Tidsskr. 42: 404-406. port.  
1933. no.4.

Raunkiaer, C.

Søndermarkens ege (Isoreagent-studier III).  
Bot. Tidsskr. 42: 334-354. 1933. no.4.

Thuesen, S. E.

Lidt om islandske varme kilder og deres plante  
vækst. Bot. Tidsskr. 42: 325-333. 1933. no.4.

Wanscher, J. H.

Studies on the chromosome numbers of the  
Umbelliferae III. Bot. Tidsskr. 42: 384-399.  
illus. 1933. no.4.

Botaniste (Paris) (450B657)

Dangeard, P. A.

Memoire sur un genre nouveau d'archimycètes,  
le *Kuhneria catenata*. Botaniste 25: 423-464.  
pl. xxv-xxvi. D. 1933. no.5/6.

Dangeard, P. A.

Note sur un cas de mutation dite régressive  
chez les algues. Botaniste 25: 393-420. pl.xxiv.  
D. 1933. no.5/6.

Guilliermond, A.

Réponse a un mémoire de M.P.A. Dangeard  
sur la terminologie des éléments cellulaires.  
Botaniste 25: 473-480. D.1933. no.5/6.

Raymond, J.

Les cinèses de l'asque de *Pyronema confluens*  
(Pers.) Tul. Botaniste 25: 467-470. illus.  
D. 1933. no.5/6.

Varitchak, B.

Deuxième contribution à l'étude du développe-  
ment des ascomycètes. Botaniste 25: 343-378.  
illus., pl. xvii-xxiii. D.1933. no.5/6.

L'évolution nucléaire dans le sac sporifère de  
*Pericystis apis* Maassen et sa signification pour la  
phylogénie des ascomycètes.



Bull. Coll. Agr. & For. Univ. Nanking (107215B)

Chen, H. K., Hwang, L. & Yu, T. F.

Experiments in controlling flag smut of wheat.  
Bull. Coll. Agr. & For. Univ. Nanking 2. 14 p.  
illus. Mr.1933.

Chinese with English summary.

Shen, T.

A comparison between 537 foreign wheat varieties  
and certain Chinese strains. Bull. Coll. Agr. &  
For. Univ. Nanking 4. 45 p. My.1933.

Shen, T.

Inheritance of quantitative and qualitative  
characters in wheat crosses. Bull. Coll. Agr.  
& For. Univ. Nanking 6. 14 p. illus. My.1933.

Tai, F.

Pear rust caused by *Gymnosporangium haraeaeum*  
Syd. and its control. Bull. Coll. Agr. & For.  
Univ. Nanking 7. 10 p. 2 pl. 1933.

Chinese with English summary.

Yu, T. F.

Pathological and physiological effects of  
*Bacillus tracheiphilus* E.F. Smith on species  
of Cucurbitaceae. Bull. Coll. Agr. & For.  
Univ. Nanking 5. 22 p. x pl. My. 1933.

Yu, T. F. & Chen, H. K.

Seed treatments for controlling stripe disease  
of hulless barley. Bull. Coll. Agr. & For. Univ.  
Nanking 10. 6 p. My. 1933.

Yu, T. F. & Chen, H. K.

Treatment of hulless oat to prevent covered  
smut [*Ustilago levis* (Kell. & Sw.) Magn.] Bull.  
Coll. Agr. & For. Univ. Nanking 10. 2 p. My.  
1933.

Bull. Soc. Dendrol. France. (Paris) (99.9Sol5)

Guillaumin, A.

Le *Salicetum* d'Enander au jardin de Jussieu.  
Bull. Soc. Dendrol. France 1933: 25-29. My.15,  
1933. no.86.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9Sol25)

Killian, C.

Développement, biologie et répartition de l'  
*Ambrosinia bassii* L. II. Bull. Soc. Hist. Nat.  
Afr. Nord. 24: 259-294. illus. M.1933. no.8.



Bull. Soc. Sci. Nat. Maroc (Rabat) (515Sol)

Maire, R.

La végétation de l'Anti-Atlas oriental et du  
Djebel Bani. Bull. Soc. Sci. Nat. Maroc  
13: 156-164. Je.30, 1933. no.4/6.

Miège, É. & Crillot, G.

La staurogamie des orges cultivées. Origine  
de quelques espèces. Bull. Soc. Sci. Nat.  
Maroc 13: 143-155. pl.iv-vi. Je.30, 1933. no.4/6.

Bull. Torr. Club (451T63B)

Jennings, O. E.

Field work with the cryptogams, its needs and  
methods. Bull. Torr. Club 61: 89-92. F. 1934.  
no.2.

Keur, J. Y.

Studies of the occurrence and transmission of  
virus diseases in the genus *Abutilon*. Bull.  
Torr. Club 61: 53-70. pl.1-4. F. 1934. no.2.

Merrill, E. D.

The significance of the compiler's data in  
field work. Bull. Torr. Club 61: 71-74.  
F. 1934. no.2.

Pennell, F. W.

How field study can modify older taxonomic  
concepts. Bull. Torr. Club 61: 85-88. F.1934.  
No.2.

Ryerson, K. A.

Aims and objectives of plant introduction of  
the U.S. Department of Agriculture. Bull. Torr.  
Club 61: 75-79. F. 1934. no.2.

Wherry, E. T.

The box huckleberry as an illustration of the need  
for field work. Bull. Torr. Club 61: 81-84.  
illus. (maps). F. 1934. no.2

Canad. Journ. Res. (Ottawa) (330.9C16C)

Broadfoot, W. C.

Studies on foot and root rot of wheat. III-IV.  
Canad. Journ. Res. 10: 95-114, 115-124. Ja.1934.  
no.1.

III. Effect of crop rotation and cultural prac-  
tice on the development of foot rot of wheat. IV.  
Effect of crop rotation and cultural practice on  
the relative prevalence of *Helminthosporium sativum*  
and *Fusarium* spp. as indicated by isolation from  
wheat plants.



Canad. Journ. Res. (cont.)

Dearness, J. Hamsbrough, J. R.

Cytospora infection following fire injury in western British Columbia. Canad. Journ. Res. 10: 125-128. Ja. 1934. no.1.

"Cytospora pulcherima sp.nov., possibly a state of Valsella pulcherrima (E. and E.) Berl".

Pavlychenko, T. K. & Harrington, J. B.

Competitive efficiency of weeds and cereal crops. Canad. Journ. Res. 10: 77-94. iii pl. Ja. 1934. no.1.

La Chimica (Modestia) (385C44)

Dragone-Testi, G.

I fenomeni molecolari e la cellula vegetale vivente. La Chimica 9: 489-500. N./D. 1933. no.11/12.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)

Branas, J. & Dulac, J.

Le traitement du mildiou de la vigne par les bouillies cupriques. Compt. Rend. Acad. Agr. France 20: 33-39. Ja.10, 1934. no.1.

Compt. Rend. Acad. Sci. Paris (505P21)

Costantin, J.

Variétés de blé résistantes à la rouille. Compt. Rend. Acad. Sci. Paris 198: 130-133. Ja.8, 1934. no.2.

Hurel-Py, G. Mlle.

Recherches sur les conditions du pH nécessaires pour obtenir la germination des grains de pollen et la coloration vitale de leurs vacuoles. Compt. Rend. Acad. Sci. Paris 198: 195-197. Ja.8, 1934. no.2.

Maume, L. & Dulac, J.

Différences variétales dans l'absorption de l'azote de l'acide phosphorique et de la potasse par des blés ayant atteint une même époque physiologique dans un même milieu. Compt. Rend. Acad. Sci. Paris 198: 199-202. Ja.8, 1934. no.2.

Sartory, A., Sartory, R., Meyer, J. & Ernst,

Influence inhibitrice du radium sur la croissance des radicelles de *Lens esculenta* Moench: modifications de la dose empêchante minima sous l'influence d'ions antagonistes. Compt. Rend. Acad. Sci. Paris 198: 197-199. Ja.8, 1934. no.2.



Compt. Rend. Acad. Sci. Paris. (cont.)

Vandendries, R.

Les barrages sexuels chez *Lenzites betulina* (L)  
Fr. Compt. Rend. Acad. Sci. Paris 198: 193-195.  
Ja.8, 1934. no.2

Compt. Rend. Soc. Biol. Paris (442.9P21)

Cornet, P.

Observations cytologiques a propos de *Viola hirta* parasitée par *Puccinia violae* (Schum.) (D.C.)  
Compt. Rend. Soc. Biol. Paris 115: 52-53. 1934. no.1.

Cornet, P.

Résistance comparée a l'anisotonie des plastes des plantes aériennes et des plantes aquatiques ainsi que des portions immergées et aériennes d'une même plante. Compt. Rend. Soc. Biol. Paris 115: 50-52. 1934. no.1.

Miedzyrzecki, Ch.

Etudes cytologiques et stérilité du pollen chez le pommier et le poirier. Compt. Rend. Soc. Biol. Paris 114: 1267-1271. illus. 1933. no.39.

Cyprus Agr. Journ. (21C992)

Nattrass, R. M.

The white rot of onions in Cyprus. Cyprus Agr. Journ. 28: 98-100. illus. D.1933. no.4.

Difesa Pianta Torino (464.9D56)

Bongini, V.

Della *Phoma eriobotryae* (cont.) Difesa Pianta Torino 10: 64-70. illus. Ag.1933. no.4.

Additional to her *Una malattia del nespolo giapponese*.

Bongini, V.

Macchie di secchereccio delle foglie di edera. Difesa Pianta Torino 10: 123-130. illus. D.1933. no.6.

*Colletotrichum trichelium* (Fries) Vogl.

Beffa, G. della

Piero Voglino, 23 marzo 1864 - 22 ottobre 1933-XI. Difesa Pianta Torino 10: 103-106. port. D. 1933. no.6.

Servazzi, O.

Un fungo nuovo del pioppo canadese (*Pyrenochaetina variabilis* sp.n.) Difesa Pianta Torino 10: 113-122. illus. D. 1933. no.6.



Econ. y Técn. Agr. (Spain) (Madrid) (15Ec7)  
García Romero, A.

Las semillas partes que las forman, condiciones para su germinación. Econ. y Técn. Agr. (Spain) 2: 475-477. illus. S./N. 1933. no.17/19.

Ernähr. Pflanze (Berlin) (57.8Er6)  
Sauerlandt, W.

Zur weissürigkeit des hafers. Ernähr. Pflanze 30: 21-25. Ja.15, 1934.

Floralia (Assen, Netherlands) (80F6613)  
Dominicus, J. K.

Is de vingerplant winterhard? Floralia 55: 54. illus. Ja.25, 1934. no.4.  
Fatsia japonica.

Flor. Rev. (Chicago) (80W41)  
Shippy, W. B.

Treats lily bulbs with disinfectants to eliminate decay. Flor. Rev. 73(1888): 13-15. illus. F.1, 1934.

For. Bull. For. Res. Inst. India (99.9In22B)  
Kameson, S.

Testing and selection of commercial wood preservatives. For Bull. For. Res. Inst. India 81. 40 p. illus. 1933.

Gard. Chron. (London) (80G162)  
Airy-Shaw, H. K.

Campanula phlyctidocalyx or C. phlyctidocalyx. Gard. Chron. III, 95: 50. Ja.20, 1934. no.2456.  
Notes also by A. Sigston Thompson & J. Fraser. All seem to agree that the second form of the species name is the only one tenable.

Balls, E. K.

Campanula betulaefolia, C. Koch. Gard. Chron. III, 95: 25. illus. Ja.13, 1934. no.2455.

Balls, E. K.

Plant collecting in Persia. II. Gard. Chron. III, 95: 44-45. illus. Ja.20, 1934. no.2456.

Boothman, H. S.

Aquilegias. (cont.) Gard. Chron. III, 95: 29-30. Ja.13, 1934. no.2455.

Brown, A. G.

Plum rust. Gard. Chron. III, 95: 31. Ja.13, 1934. no.2455.



Gard. Chron. (cont)

Friend, H.

Herbals and herbalists. IV. Dioscorides of Anazarba. Gard. Chron. III, 95:45-46. illus. Ja.20, 1934. no.2456.

Grove, A.

The bulbil-bearing character in lilies. Gard. Chron. III, 95: 28. illus. Ja.13, 1934. no.2455.

Nelmes, W.

Diospyros lotus. Gard. Chron. III, 95: 24. illus. (p.23). Ja.13, 1934. no.2455.

Stout, A. B.

Hemerocallis theron. Gard. Chron. III, 95: 43. illus. Ja.20, 1934. no.2456.

Vernalisation. I. Gard. Chron. III, 95: 35. Ja.20,1934. no.2456.

Gard. Illus. (London) (80G169)

Clay, S.

Variation in cultivated Meconopsis. I. Gard. Illus. 56: 22-23. illus. Ja.13,1934. no.2862.

Gartenfl. (Berlin) (80G19)

Breloer, J.

Die zaubernuss blüht wieder im garten. Gartenfl. 83: 16-18. illus. Ja.1934.

Mueller, A.

Orchideen in Sumatra. Gartenfl. 83: 1-6. illus. Ja.1934.

Schmarse, H.

Zwei seltene und prachtvolle orchideen. Gartenfl. 83: 7-8. illus. Ja.1934.  
Euanthe sanderiana, Cycnoches pentadactylum.

Gartenz. (Wien) (80W632)

Svolba, F.

Einige bildungsabweichungen an pflanzen. Gartenz. (Wien) 1933: 123-125. illus. N.1933. no.11.

Gladiolus Rev. (Goshen, Ind.)

McCulloch, L.

Corn treatment in relation to blooming dates. Gladiolus Rev. 10: 242, 249. D.1933. no.12.



Gladiolus Rev. (cont.)

Starrett, L. A.

Gladiolus diseases. Gladiolus Rev.  
11: 10-11, 14. Ja. 1934. no.1.

Tilford, P. E.

Corm treatments for the control of scab.  
Gladiolus Rev. 11: 8-9, 18. Ja.1934. no.1.

Hedwigia (Dresden) (450H35)

Kaiser, P.

Beiträge zur kenntnis der algenflora von  
Traunstein und dem Chiemgau (Bayern) VI.  
Hedwigia 73: 223-242. illus. D.20, 1933.  
no.5/6.

Keissler, K.

Thelopsis lojkana Nyl., eine diskokarpe  
flechte. Hedwigia 73: 252-54. pl.iv.  
D.20, 1933. no.5/6.

Krasske, G.

Die diatomeen-vegetation der drei quellen  
in Erfurt. Hedwigia 73: 243-246. D.20, 1933.  
no.5/6.

Pilát, A.

Pholiota fulvella (Bull.) Bres. et Pholiota  
confragosa Fries in Cechoslovakia. Hedwigia  
73: 247-251. illus., pl.iii. D.20, 1933. no.5/6.

Japan. Journ. Bot. (Tokyo) (450J27)

Fukuda, Y.

Cyto-genetical studies on the wild and cultiva-  
ted Manchurian soy beans (Glycine L.) Japan.  
Journ. Bot. 6: 489-506. illus., pl.xxi-xxii.  
D.20, 1933. no.4.

Hiura, M. & Kawada, S.

On the overwintering of Peronoplasmodium  
cubensis (B. et C.) Clinton. Japan. Journ.  
Bot. 6: 507-513. pl. xxiii. D.20, 1933. no.4.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Bruner, S. C. & Jenkins, A. E.

Identity and host relations of the Elsinoe of  
lima bean. Journ. Agr. Res. 47: 783-789. illus.  
N.15, 1933. no.10.



Journ. Agr. Res. (cont.)

Ivanoff, S. S.

Stewart's wilt disease of corn, with emphasis on the life history of *Phytomonas stewarti* in relation to pathogenesis. Journ. Agr. Res. 47: 749-770. illus., pl. 1-3. N.15, 1933. no.10.

Jones, J. W.

Inheritance of characters in rice. Journ. Agr. Res. 47: 771-782. N.15, 1933. no.10.

Lachmund, H. G.

Mode of entrance and periods in the life cycle of *Cronartium ribicola* on *Pinus monticola*. Journ. Agr. Res. 47: 791-805. N.15, 1933. no.10.

Journ. Arnold Arb. (Cambridge, Mass.) (451Ar6J)

Anderson, E. & Abbe, E. C.

A quantitative comparison of specific and generic differences in the Betulaceae. Journ. Arnold Arb. 15: 43-49. illus. Ja. 1934. no.1.

Anderson, E. & Whitaker, T. W.

Speciation in *Uvularia*. Journ. Arnold Arb. 15: 28-42. illus. pl. 82-83. Ja. 1934. no.1.

Faull, J.

The biology of Milesian rusts. Journ. Arnold Arb. 15: 50-85. pl. 84-86. Ja. 1934. no.1.

Faull, J.

A remarkable rust, *Peridermium parksianum*, n.sp. Journ. Arnold Arb. 15: 86-87. Ja. 1934. no.1.

Palmer, E. J.

The beach plum in Michigan. Journ. Arnold Arb. 15: 88. Ja. 1934. no.1.

*Prunus maritima*.

Palmer, E. J.

*Quercus ellipsoidalis* in Missouri. Journ. Arnold Arb. 15: 89. Ja. 1934. no.1.

Rehder, A.

Notes on the ligneous plants described by Leveille from eastern Asia. (cont.) Journ. Arnold Arb. 15: 1-27. Ja. 1934. no.1.



Journ. Linn. Soc. Bot. (London) (451L64J)

Earnest, E. C. M.

The water relations of the plant cell.

Journ. Linn. Soc. Bot. 49: 495-502. Ja.3,  
1934. no.330.

Experiments with Iris and Ceropegia.

Levyns, M. R.

A revision of *Lobostemon* Lehm., and a discussion  
of the species problem. Journ. Linn. Soc. Bot.  
49: 393-451. illus., pl.29. Ja.3, 1934. no.330.

Saunders, E. R.

A study of *Veronica* from the viewpoint of  
certain floral characters. Journ. Linn. Soc.  
Bot. 49: 453-493. illus., fold.tab. Ja.3, 1934.  
no.330.

Journ. N.Y. Bot. Gard. (89N48J)

Alexander, E. J.

Dyed, gilded, and silvered decoratives.

Journ. N.Y. Bot. Gard. 35: 9-16. Ja.1934. no.409.

Small, J. K.

Native iris notes. I-II. Journ. N.Y. Bot. Gard.  
35: 17-18. Ja. 1934. no.409.

I. On the relative vitality of Louisiana iris.

II. Autumn flowering of Louisiana iris.

Small, J. K.

Ornamental ladies'-tresses. Journ. N.Y. Bot.  
Gard. 35: 19. illus. Ja.1934. no.409.

*Spiranthes odoratum* (*Ibidium odoratum*)

Stout, A. B.

Dwarf daylilies. Journ. N.Y. Bot. Gard.  
35:1-8. illus. Ja.1934. no.409.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, E.

*Echinocactus* (*Gymnocalycium*) *rhodantherus*

Böd., sp.n. Kakteenk. Deut. Kakteen-Ges.

1934: 13-14. illus. Ja.1934. no.1.

Kartoffel, Zeitschr. Kartoffelbauges. (Berlin) (75.8K142)

Koehler, E.

Ueber die blattrollkrankheit und andere  
abbauursachen. Kartoffel. Zeitschr. Kartoffel-  
bauges. 14: 12-13. Ja.16, 1934. no.2.



Landw. Jahrb. Schweiz. (Bern) (17L23)

Faes, H., Staehelin, M. & Bovey, P.

La lutte contre les ennemis de la vigne en 1932.

Landw. Jahrb. Schweiz 47: 1147-1159. 1933. no.10.

Lesnická Práce (L'Oeuvre For.) (Pisek, Moravia) (99.8L56)

Žabka, J.

Grafiosa jilmů a volba náhradní dřeviny.

(Le dégats du Graphium ulmi sur les ormes et le choix des essences supplémentaires.) Lesnická

Práce (L'Oeuvre For.) 12: 541-545. 1933. no.11/12.

In Czech.

Louisiana Conserv. Rev. (New Orleans) (279.9L93C)

Glenk, R.

Crop plants of Louisiana; how, when and where they originated. Louisiana Conserv. Rev.

4:23-27, 30-37, 55. illus. Ja.1934. no.1.

Meld. Norges Landbruks (Oslo) (104N762M)

Solberg, P.

Jordartsegensskapenes betydning for reaksjonens virkning på veksten av enkelte kulturplanter. (Die bedeutung, welche die eigenschaften der bodenarten für die wirkung der reaktion auf das wachstum einzelner kulturpflanzen haben). Meld. Norges

Landbruks. 14: 88-172. illus. 1934. no.1.

German summary: p.153-155.

Mikrobiologia (Moskva) (448.3M582)

Kalinenko, V. O.

Chernyi nekroz na Scorzonera tau-saghyis Lipsch. et Bos. (Black necrosis on Scorzonera tau-saghyis Lipsch. et Bos.) Mikrobiologia 2: 210-217.

illus. 1933. no.2.

Russian with English summary.

Disease found also on Tragopogon and Dodartia.

Minn. Hort. (Minneapolis) (81M66)

Harvey, R. B.

The conduction of water in trees. Its relation to horticultural practice. Minn. Hort. 62: 10.

Ja.1934. no.1.

Includes paragraph on sunscald.



Mycologia (450M99)

Drayton, F. L.

The sexual mechanism of *Sclerotinia gladioli*.

Mycologia 26: 46-72. illus., pl.5-7. Ja./F. 1934. no.1.

Drechsler, C.

A new species of *Helicocephalum*. Mycologia

26: 33-37. pl.4. Ja./F. 1934. no.1.

Hahn, G. G. & Ayers, T. T.

*Dasyscyphae* on conifers in North American. I.

The large-spored, white-exciple species.

Mycologia 26: 73-101. pl.8-13. Ja./F. 1934. no.1.

Lange, J. E.

Mycofloristic impressions of a European mycologist in America. Mycologia 26: 1-12. pl.1 (port.) Ja./F. 1934. no.1.

Miller, L. W.

The *Hydnaceae* of Iowa. II. The genus *Odontia*.

Mycologia 26: 13-32. pl.2-3. Ja./F. 1934. no.1.

Seaver, F. J.

Photographs and descriptions of cup-fungi. XX.

A new *Lamprospora*. Mycologia 26: 102-103. pl. 14. Ja./F. 1934. no.1.

Shear, C. L.

*Penicillium glaucum* of Brefeld (*Carpenteles* of Langeron) re-found. Mycologia 26: 104-107. illus. Ja./F. 1934. no.1.

*Carpenteles asperum* nom.nov.

Waksman, S. A. & Reneger, C. A.

Artificial manure for mushroom production.

Mycologia 26: 38-45. Ja./F. 1934. no.1.

Naturaliste Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne.

Nat. Canad. 61: 27-31. Ja. 1934. no.1.

Nature (London) (472N21)

Bancroft, H.

External leaf-characters of the cricket-bat and other willows. Nature 133: 104. Ja.20, 1934. no.3351.



Nature (cont.)

Mitra, A.

A new wound parasite of potato tubers.

Nature 133: 67. Ja.13, 1934. no.3350.

*Fusarium solani medium* Wr. (*F. viride* Lechm.)

New Jersey State Hort. Soc. News (81N46)

Martin, W. H.

Recommendations upon apple scab and leaf curl control. New Jersey State Hort. Soc. News

15: 543, 545, 549. Ja. 1934. no.1.

Nuovo Giorn. Bot. Ital. (Firenze) (45ON92)

Barsali, E.

Agguinte al prodromo della flora Umbra. (cont.)

Nuovo Giorn. Bot. Ital. 40: 338-341. 1933. no.3.

Fiori, A.

Località nuove di piante italiane. 3. Nuovo Giorn. Bot. Ital. 40: 327-337. 1933. no.3.

Giambra, R.

Micromiceti dell'alta Savoia. Nuovo Giorn. Bot. Ital. 40: 415-420. 1933. no.3.

Lanzoni, F.

Sul valore della caratteristica del petit quale indice tassonomico. Nuovo Giorn. Bot. Ital. 40: 426-441. pl.xii-xiv. 1933. no.3.

Mattirolo, O.

I funghi ipogei della Campania, del Lazio e del Molise raccolti dal compianto Prof. Carlo Campbell. Nuovo Giorn. Bot. Ital. 40: 313-326. 1933. no.3.

Minio, M.

Le osservazioni fitofenologiche della rete italiana nel 1932 (annata xi). Nuovo Giorn. Bot. Ital. 40: 453-469. 1933. no.3.

Pampanini, R.

Carlo Lacaita (1853-1933). Nuovo Giorn. Bot. Ital. 40: 447-452. port. 1933. no.3.

Rodolico, A.

Appunti sulla cariologia e sull'embriologia delle "inuleae". Nuovo Giorn. Bot. Ital. 40: 421-425. pl. xi. 1933. no.3.

Santarelli, E.

Contribuzione alla flora briological della Alpi Apuane. Nuovo. Giorn. Bot. Ital. 40:342-400. 1933. no.3.



Nuovo Giorn. Bot. Ital. (cont.)

Vaccaneo, R.

La naturalizzazione nel Piemonte del *Polygonum cuspidatum* Sieb. et Zucc. Nuovo Giorn. Bot. Ital. 40: 442-446. 1933. no.3.

Vaccaneo, R.

La "Nonnea pulla" (L) DC. in Val di Susa (Piemonte) e la sua distribuzione geografica. Nuovo Giorn. Bot. Ital. 40: 401-414. illus. 1933. no.3.

Phytopath, Zeitschr. (Berlin) (464.8P562)

Bechhold, H. & Schlesinger, M.

Grösse von virus der mosaikkrankheit der tabakpflanze. Phytopath. Zeitschr. 6: 627-631. 1933. no.6.

Fehmi, S.

Beiträge zur kenntnis der wechselbeziehungen zwischen kulturpflanzen, ihren parasiten und der umwelt. 5. Untersuchungen über den einfluss der ernährung auf die empfänglichkeit der kartoffelknolle für lagerparasiten und die änderungen des enzymatischen stoffwechselverlaufes während der lagerung. Phytopath. Zeitschr. 6: 543-588. illus. 1933. no.6.

Hoerner, G. R. & Jones, W.

Crown treatments for hop downy mildew control. Phytopath. Zeitschr. 6: 619-626. 1933. no.6.

Schwarz, O. & Vasfi, A.

Beiträge zur pathologie der feige, *Ficus carica* L. I. Das fruchtfäuleproblem in Kleinasien. Phytopath. Zeitschr. 6: 589-618. 1933. no.6.

Plant. Chron. (Madras) (22P693)

Narasimhan, M. J. & Mayne, W. W.

Report on the disease situation in coffee areas in 1933. Plant. Chron. 28: 585-590. D.30, 1933. no.26.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising) (464.8P88)

Böning, K.

Versuche zur bekämpfung der Septoria-blattflockenkrankheit des selleries mit chemischen mitteln. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 33(n.s. v.11): 231-237. D./Ja.1933/34. no.9/10.

Böning-Seubert, E.

Die mosaikkrankheit der gurken. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 33(n.s. v.11): 215-221. D./Ja.1933/34. no.9/10.



Proc. Nat. Shade Tree Conf. (99.9N218)

Baxter, S. N.

Notable trees and old arboreta in and around Philadelphia. Proc. Nat. Shade Tree Conf. 9(1933): 23-31. [1933]

Beattie, R. K.

How the Dutch elm disease reached America. Proc. Nat. Shade Tree Conf. 9(1933): 101-105. [1933]

Dodge, B. O.

The course of mycelia of Gymnosporangia in the trunks of cedars. Proc. Nat. Shade Tree Conf. 9(1933): 94-101. [1933]

Studies in Gymnosporangium VI.

Hitchcock, A. E., Crocker, W. & Zimmerman, P.W.

Toxicity of illuminating gas in soil. Proc. Nat. Shade Tree Conf. 9(1933): 34-36. [1933]

Rankin, W. H.

Wound gums and their relations to fungi. Proc. Nat. Shade Tree Conf. 9(1933):111-115. [1933]

Gum deposits and tyloses form a barrier, sealing the tissues within and making them less liable to wood decay.

Stout, A. B.

Autumn coloration. Proc. Nat. Shade Tree Conf. 9(1933): 46-49. [1933]

White, R. P.

The Dutch elm disease in New Jersey. Proc. Nat. Shade Tree Conf. 9(1933): 105-110. [1933]

Proc. Crop Sci. Soc. Japan. (22.5C88)

Kondo, M., Okamura, T., Isshiki, S. & Kasawara, Y.

Experimental studies in the photoperiodism of rice plant. II. Proc. Crop Sci. Soc. Japan 5: 369-379. D.1933. no.4.

Japanese.

Tsuda, S.

Physiological significance of the awn in rice plant. Proc. Crop.Sci. Soc. Japan 5: 380-390. D. 1933. no.4.

Japanese.



Proc. Texas Pecan Grow. Assoc. (94.69T31)

Cole, J. R.

Important parasitic diseases of pecans in Texas and their control. Proc. Texas Pecan Grow. Assoc. 13(1933): 56-59. [1933]

Cole, J. R., Alben, A. O., Smith, C. L. & Sitton, B.G.

Pecan rosette: A nutritional disease. Proc. Texas Pecan Grow. Assoc. 13(1933): 52-56. [1933]

Shuhart, D. V.

Pecan pollination. Proc. Texas Pecan Grow. Assoc. 13(1933): 9-14. [1933]

Smith, C. L. & Thorn, C.J.B.

A physiological study of fruit development in the pecan (*Hicoria pecan*). Proc. Texas Pecan Grow. Assoc. 13(1933): 71-76. [1933]

Smith, C. L. & Romberg, L. D.

Pollination control, period of receptivity and pollen viability in the pecan. I-II. Proc. Texas Pecan Grow. Assoc. 12(1932): 23-34. J1. 1932; 13(1933): 76-85. [1933]

Progr. Agr. & Vitic. (Montpellier) (14P94)

Lugan, J.

Bouillies et mildiou. Progr. Agr. & Vitic. 101: 44-45. Ja.14, 1934. no.2.  
For control of downy mildew of grape.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin)

Eggler, J.

Die pflanzengesellschaften der umgebung von Graz. (cont.) Repert. Spec. Nov. Beih. 73: 97-216. pl.ix-xvi. (2 col.) 2 maps (1 fold.) 1933. no.2.

Rep. Austral. & New Zealand Assoc. Adv. Sci.

Rogers, R. S.

Some developments in orchidology. Rep. Austral. & New Zealand Assoc. Adv. Sci. 21(1932): 330-365. 1933.

Rep. Brit. Assoc. Adv. Sci.

Horwood, A. R.

The flora of Leicestershire, considered botanically, and in relation to human activities. Rep. Brit. Assoc. Adv. Sci. 103(1933): App. p.25-33. 1933.



Rep. Brit. Assoc. Adv. Sci. (cont.)

Kögl, F.

On plant growth hormones (auxin A and auxin B)  
Rep. Brit. Assoc. Adv. Sci. 103(1933): 600-609.  
pl. 1933.

Lloyd, F. E.

The types of entrance mechanisms of the traps  
of Utricularia (including Polypompholyx). Rep.  
Brit. Assoc. Adv. Sci. 103(1933): 183-218. iv pl.  
1933.

Rev. Gén. Bot. (Paris) (450R326)

Famin, A.

Action de la température sur les végétaux.  
(concl.) Rev. Gén. Bot. 45: 655-682. illus.  
D. 1933. no.540.

Feldmann, J. & Davy de Virville, A.

Les conditions physiques et la végétation des  
flaques littorales de la cote des Albères. Rev.  
Gén. Bot. 45: 621-654. pl.xx-xxiv. D. 1933.  
no.540.

Guilliermond, A.

Recherches cytologiques sur les pigments  
anthocyaniques et les composés oxyflavoniques.  
(cont.) Rev. Gén. Bot. 45: 685-695. D.1933.  
no.540.

Rev. Industr. y Agr. Tucumán. (Buenos Aires) (9T79)

Schultz, E. F.

Los efectos del hielo sobre los naranjos y  
el tratamiento de los frutales helados. Rev.  
Industr. y Agr. Tucumán 23: 165-169. Jl./Ag.  
1933. no.7/8.

Rev. Soc. Rur. Brasil. (São Paulo) (9.2B733)

Carneiro, J. G.

Algumas doenças mais graves do abacateiro.  
Rev. Soc. Rur. Brasil. 13: 282-284. illus.  
Je. 1933. no.154.

Notes made up from work of Carvalho Barbosa  
"Do abacateiro e do abacate".

Rev. Vitic. (Paris) (95.8R322)

Veresceaghin, B.

Les ennemis de la vigne et les moyens de les  
combattre. Rev. Vitic. 80: 37-44, 60-62.  
Ja.18,25, 1934. no.2064, 2065.



Rhodora (Boston) (450R34)

Bartram, F. B.

Mosses of southern British Honduras and Guatemala. Rhodora 36: 55-58. illus. F. 1934. no.422.

Delisle, A. L.

*Anychia canadensis* in Hampshire county, Massachusetts. Rhodora 36: 58-59. F.1934. no.422.

Fernald, M. L. & Harris, S. K.

An additional note on the branching tendency in *Polygonatum*. Rhodora 36: 59-60. F.1934. no.422.

*P. commutatum* f. *ramosum*.

Lovell, J. H. & Lovell, H. B.

The pollination of *Kalmia angustifolia*. Rhodora 36: 25-28. illus. F. 1934. no.422.

Weatherby, C. A.

*Epifagus virginiana* (L.) Bart., forma *pallida*, n.f. Rhodora 36: 59. F. 1934. no.422.

Weatherby, C. A. & Griscom, L.

Notes on the spring flora of the coastal plain of South Carolina north of Georgetown. Rhodora 36: 28-55. illus. F. 1934. no.422.

Rhodesia Agr. Journ. (Salisbury) (24R34)

The "kromnek" disease of tobacco. Rhodesia Agr. Journ. 31: 9-11. Ja. 1934. no.1.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań) (20:5R59)

Terlikowski, F. & Miłkowski, K.

Wpływ związków boru na rozwój niektórych roślin. (The influence of boron compounds on the development of certain plants). Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 31: 167-202. illus. Ja. 1934. no.1/2.

English summary: p.201-202;

Experiments with plants of the families Solanaceae and Papilionaceae.



Sci. Rep. Tohoku Imp. Univ. 4. Ser. (Biol.) (Sendai) (513T574Ab)  
Jimbo, T.

The diagnoses of the pollen of forest trees.

I. Sci. Rep. Tohoku Imp. Univ., 4. ser.  
(Biol.) 8: 287-296. pl.xi-xii. D. 1933. no.3.

Moore, A. R.

On the cytoplasmic framework of the plasmodium,  
*Physarum polycephalum*. Sci. Rep. Tohoku Imp.  
Univ., 4. ser. (Biol.) 8: 189-192. D. 1933. no.3.

Shibata, M.

Studien über die bildung organischer säuren in  
grünen pflanzen. I-II. Sci. Rep. Tohoku Imp.  
Univ., 4. ser (Biol.) 7: 157-179. illus. My.  
1932; 8: 205-248. illus. D.1933. no.2, 3.

I. Die reihenfolge des säuregehalts im ganzen  
körper von *Begonia evansiana* Andr. II. Das verhält-  
nis zwischen dem stickstoff und dem säurestoffwech-  
sel im ganzen körper von *Begonia evansiana* Andr.

Scient. Agr. (Ottawa) (75Sci2)

Hanna, W. F. & Popp, W.

Bunt infection of spring wheat by soil-borne  
spores. Scient. Agr. 14: 257-258. Ja.1934.  
no.5.

*Silva fennica*. (Helsinki) (99.9F497)

Brandt, A.

Hiisjärven luonnonpuiston kasvillisuudesta  
(Ueber die vegetation des naturparks von Hiis-  
järvi). *Silva fennica* no.32 108 p. 2 pl.,  
3 maps. 1933.

Finnish with English summary.

So. African Gard. (Johannesburg) (80Sc87)

Plants new or noteworthy. South African plants  
cultivated in the National botanic gardens, Kursten-  
bosch, and in our readers' gardens. So. African  
Gard. 24: 24-25, 28. illus. Ja. 1934. no.1.

*Aloe corifolia*, *A. immaculata*, *A. khamiesensis*,  
*A. vanbalsenii*, n. spp.

So. Afr. Journ. Sci. (Johannesburg)

Du Plessis, S. J.

Descriptions of some new species of South  
African fungi and of species not previously recorded  
from South Africa. VI. So. Afr. Journ. Sci.  
30: 207-211. O. 1933.



So. African Journ. Sci. (cont.)

Goossens, A. P. & Stoppelberg, W. J.

A brief note on the macroscopic aspect of  
some western Transvaal grasses. So. Afr.  
Journ. Sci. 30: 212-219. illus. O.1933.

Hector, J. M.

The origin of certain of our cultivated plants.  
So. Afr. Journ. Sci. 30: 46-61. O. 1933.

Obermeijer, A. A.

Notes on the distribution of *Copaifera mopane*  
Kirk. So. Afr. Journ. Sci. 30: 266-269. illus.  
(map) O.1933.

Phillips, E. P.

The flora of Barberton. So. Afr. Journ. Sci.  
30: 234-236. O. 1933.

Phillips, E. P.

Newly described and newly recorded genera of  
South African plants. So. Afr. Journ. Sci.  
30: 220-231. O. 1933.

Records since the publication of his "Genera  
of the South African flowering plants" 1926.

Phillips, E. P.

Some South African place names derived from  
plants. So. Afr. Journ. Sci. 30: 656-671.  
O. 1933.

Rimington, C.

The toxic principles of *Cucumis africanus*  
L.f., *Cucumis myriocarpus* (Naud.) emond., and of  
a new unnamed *Cucumis* species. So. Afr. Journ.  
Sci. 30: 505-514. illus. O.1933.

Two bitter principles, cucumin and leptodermin.

Schweizerdt, H. G.

A preliminary account of the vegetation in  
the neighbourhood of the Zoutpan in the northern  
Transvaal. So. Afr. Journ. Sci. 30: 270-279.  
illus. O. 1933.

Steyn, D. G.

Factors concerned in the determination of  
toxicity of plants. So. Afr. Journ. Sci.  
30: 483-502. O. 1933.



So. African Journ. Sci. (cont.)

Thornicroft, G.

*Gerbera jamesoni* Bolus - The Barberton daisy.  
So. Afr. Journ. Sci. 30: 237. O. 1933.

Verdoorn, I. C.

The baobab. So. Afr. Journ. Sci. 30: 255-257.  
O. 1933.

Verwoerd, L., & Du Plessis, S. J.

Descriptions of some new species of South African fungi and of species not previously recorded from South Africa. V. So. Afr. Journ. Sci. 30:222-233. O. 1933.

Wager, V. A.

*Fusarium* wilt in tomatoes in South Africa.  
So. Afr. Journ. Sci. 30: 240-246. O. 1933.

Wager, V. A.

A stem rot of transplanted tomatoes due to *Pythium aphanidermatum* (Eds.) Fitz. So. Afr. Journ. Sci. 30: 247-249. O. 1933.

Wager, V. A.

A spraying experiment for the control of bacterial black spot in mangoes. So. Afr. Journ. Sci. 30: 250-254. O. 1933.

Young, E. M. & Crocker, C. G.

Chromosome studies in *Digitaria* species. I. So. Afr. Journ. Sci. 30: 258-265. illus. O. 1933.

Trans. Kansas Acad. Sci. (500K13T)

Bartholomew, E.

Second list of additions to the fungous flora of Kansas. Trans. Kansas Acad. Sci. 36: 71. [1933]

Barton, A. W.

Plant sap and juice. I. Hydrogen ion concentration and other data. Trans. Kansas Acad. Sci. 36:72-75. [1933]

Bentley, J. R.

Native lespedezas in Kansas. Trans. Kansas Acad. Sci. 36: 78-81. illus. (map) [1933]



Trans. Kansas Acad. Sci. (cont.)

Brennan, L. A., Darland, R., Lee, F. M. & Barton, A.W.

Plant sap and juice. II. Data obtained in  
the spring of 1933. Trans. Kansas Acad. Sci.  
36: 76-77. [1933]

Burgert, I. A.

A study of some factors influencing germination  
of the spores of *Phyllosticta solitaria*. Trans.  
Kansas Acad. Sci. 36: 82. [1933]

Gates, F. C.

Kansas botanical notes. 1932. Trans. Kansas  
Acad. Sci. 36: 87-88. [1933]

Horn, E.

A summer hay fever plant survey of Manhattan,  
Kansas. Trans. Kansas Acad. Sci. 36: 91-97.  
[1933]

Kingsley, E. L.

The relation of certain morphological characters  
of the host and fungus to the identification of the  
loose and covered smuts of oats. Trans. Kansas  
Acad. Sci. 36: 98-104. [1933]

Mix, A. J.

Factors affecting the sporulation of  
*Phyllosticta solitaria* in artificial culture.  
Trans. Kansas Acad. Sci. 36: 105. [1933]

Meyers, H. E. & Johnson, E. W.

The cause and control of chlorosis in western  
Kansas. Trans. Kansas Acad. Sci. 36: 106-110.  
illus. [1933]

Trans. Sapporo Nat. Hist. Soc. (410.9Sa6)

Imai, S.

*Gloeostereae* S. Ito et Imai, a new tribe of  
*Thelephoraceae*. Trans. Sapporo Nat. Hist. Soc.  
13: 9-11. illus. 1933. no.1.

*Gloeostereum incarnatum*.

Miyabe, K. & Tatewaki, M.

Contributions to the flora of northern Japan.  
I-II. Trans. Sapporo Nat. Hist. Soc. 13: 1-5,  
69-73. pl.i. 1933. no.1,2.

Miyabe, K. & Nagai, M.

*Laminariaceae* of the Kurile Islands.  
Trans. Sapporo Nat. Hist. Soc. 13: 85-102.  
1933. no.2.



Trans. Sapporo Nat. Hist. Soc. (cont.)

Nagai, M.

Meeresalgen aus Kamtschatka. Trans. Sapporo  
Nat. Hist. Soc. 13:12-19. 1933. no.1.

Sakai, K.-I.

A brief note on the chromosomes in some  
Aconitum species. Trans. Sapporo Nat. Hist.  
Soc. 13: 74-77. pl. iv. 1933.

Shimada, S.

Change of pathogenicity shown by the "bakanae"  
fungus, Gibberella fujikuroi. Trans. Sapporo  
Nat. Hist. Soc. 13: 6-8. 1933. no.1.

Tokunaga, Y.

Studies on the aquatic chytrids of Japan, I-  
II. Trans. Sapporo Nat. Hist. Soc. 13: 20-28, 78-  
84. pl. ii,v. 1933. no. 1, 2.  
I. Woroninaceae. II. Olpidiaceae.

Tree Talk. (Stamford, Conn.)

Dodge, A. W.

What salt spray does to trees. Tree talk  
9: 7-9. illus. 1934. no.1.

Felt, E. P.

Are our elms going? Tree talk. 9: 3-6. illus.  
1934. no.1.

Trop. Agriculture West Indies (Trinidad) (26T754)

Wardlaw, C. W.

Preliminary observations on the storage of  
avocado pears. Trop. Agriculture West Indies  
11: 27-35. illus., 2 pl. F. 1934.

Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull.

Appl. Bot., Gen.& Plant-breed. Ser. A, Social. Plant  
Ind.) (451R92S)

Artemov, P. K.

K voprosu o porazhaemosti sortov zernovykh kul'tur  
gribnymi bolezniami (On the susceptibility of  
the varieties of grain crops to fungus diseases).

Trudy, Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast  
(Bull. Appl. Bot., Gen.& Plant-Breed. Ser., A. Social.  
Plant Ind.) 7: 75-90. illus. 1933.

Russian.



Trudy Prikl. Bot., Gen. i Seled. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social Plant Ind.) (cont.)

Basova, A. P.

Skorospelye pshenitsy raznykh stran, kak iskodnyi material dlia selektsionnykh rabot (Early wheats of different countries as initial material for breeding). Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social Plant Ind.) 7: 117-128. 1933.

Russian.

Doroshenko, A. V.

Opreделение vskhozhesti semian zontichnykh kul'tur metodom okrashivaniia (Determination of the germination capacity in the seeds of Umbelliferae by the staining method). Trudy Prikl. Bot. Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot.; Gen. & Plant-breed. Ser. A, Social. Plant Ind.) 7:185-193. illus. 1933.

Russian.

Kokin, A. I.

Novye resursy dikikh pishchevykh rastenii Srednei Zaii (New resources of wild food plants in Asia Media). Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social. Plant Ind.) 7: 137-149. illus. 1933.

Russian.

Kovalenko, G. M. & Sidorov, F. F.

Mezhvidovaia gibridizatsiia kartofelia (Interspecies hybridisation of the potato). Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social Plant Ind.) 7: 97-106. 1933.

Russian.

Kovalev, N. V.

K voprosu o selektsii kartofelia na ustoichivost protiv fitoftory (A contribution to the question of breeding the potato for resistance to Phytophthora). Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social. Plant Ind.) 7: 91-96. 1933.

Russian.



Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., /Gen. & Plant-breed. Ser. A, Social Plant Ind.) (cont.)

Nassonov, V. A. & Iager, F. Kh.

Anatomicheskie osobennosti stblei i list'ev kholodostoikikh vidov kartofelia (Anatomical peculiarities of stems and leaves in hardy potato varieties). Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser. A, Social. Plant Ind.) 7: 107-116. illus. 1933.

Russian.

Timofeeva, M. T.

K voprosu o metode laboratornogo opredelenia zasukhoustoichivosti rastinii (On the method of laboratorial determination of the drought resistance of plants). Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. ser. A, Social. Plant Ind.) 7: 69-74. 1933.

Russian.

Vict. Nat. (Melbourne.) (410V66)

Bond, R. W.

Ferns in the Creswick district. Vict. Nat. 50: 208-213. Ja. 1934. no.9.

Watson's Micros. Rec. (London) (440.8W33)

Harris, G. T.

The Oedogoniales. I. Watson's Micros. Rec. 31: 14-16. pl. i. Ja.1934.

Zeitschr. Bot. (Jena) (450Z32)

Thren, R.

Jahreszeitliche schwankungen des osmotischen wertes verschiedener ökologischer typen in der umgebung von Heidelberg. Mit. einem beitrage zur methodik der pressaftuntersuchung. Zeitschr. Bot. 26: 449-526. 1934. no.9/10.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil. (Leipzig) (384Z343A)

Treschow, C. & Gabrielsen, E. K.

Zur bestimmung von nitrat in pflanzen und boden. Zeitschr. Pflanzenernähr. Düng. u. Bödenk. A, Wiss. Teil. 32: 357-376. 1933. no.5/6.



Zeitschr. Pilzk. (Leipzig) (450Z352)

Höfer, K.

Der gestreifte teuerling (*Cyathus striatus* Huds.) (cont.) Zeitschr. Pilzk. 17(n.s.12): 100-105. illus., pl.15, D.1933. (schlussheft)

Huber, H.

Standorte seltener pilze in der umgebung Wiener-Neustadts (Neiderosterreich und Burgenland). Beitrag zur pilzgeographie. IX. Zeitschr. Pilzk. 17(n.s.12): 105-107. D.1933(schlussheft)

Kallenbach, F.

Gallen am flachen porling (*Polyporus applanatus*). Zeitschr. Pilzk. 17(n.s.12): 107-109. pl. 17. D.1933. (schlussheft)

Knauth, B.

Ein seltener ritterling, *Tricholoma friesii* Bres. Zeitschr. Pilzk. 17 (n.s.12): 109-110. D. 1933. (schlussheft)

Teodorowicz,

Die sand-stinkmorchel, *Phallus iosmus* Berk. in Polen. Zeitschr. Pilzk. 17(n.s.12): 114-115. D. 1933. (schlussheft)

Wünschmann, K.

Ueber den narzissengelben wulstling (*Amanita junquillea*). Zeitschr. Pilzk. 17(n.s.12): 122-123. D.1933. (schlussheft)

Zeitschr. Zücht. A. Pflanzenzücht. (Berlin) (450Z36)

Breslavetz, L.

Apparat zur hervorrufung von mutationen bei feldversuchen "inmut". Zeitschr. Zucht. A. Pflanzenzücht. 19: 120-123. illus. Ja.1934. no.1.

Hudson, P. S.

English wheat varieties (concl.) Zeitschr. Zücht. A. Pflanzenzücht. 19: 57-108. illus. Jan. 1934. no.1.

Nicolaisen, W.

Die grundlagen der immunitätszüchtung gegen *Ustilago avenae* (Pers.) Jens. Zeitschr. Zucht. A. Pflanzenzücht. 19: 1-56. Ja. 1934. no.1.

Roemer, T., Tschermak, E.v. & Husfeld, B.

Erwin Baur. Zeitschr. Zücht. A. Pflanzenzücht. v.19, no.1. 2 p.1. port. (front.) Ja. 1934.



Zeitschr. Zücht. A. Pflanzenzucht. (cont.)

Thumanjan, M. G.

Eine zweischmittige behaarte feldunkrautwicke.

Zeitschr. Zücht. A. Pflanzenzucht. 19: 109-119.

illus. Ja.1934. no.1.

Der Züchter. (Berlin) (442.8Z8)

Agerberg, L. S., Schick, R., Schmidt, M. & Sengbusch,  
R.v.

Die bestimmung des solanin gehaltes von pflanzen  
mit hilfe von Cladosporium fulvum. Der Züchter

5: 272-280. illus. D.1933. no.12.

Ein beispiel für die möglichkeit der verwendung  
von mikroorganismen in der züchterischen selektions-  
technik.

Heuser, W. & Pfrang, H.

Beiträge zur züchtung der serradella. Der

Züchter 5: 267-272. illus. D.1933. no.12.

Wettstein-Westersheim, W.v.

Die züchtung von Populus. II. Der Züchter

5: 280-281. D.1933. no.12.

Exp. Stat. Publ.

Tullis, E. C. & Cralley, E. M.

Laboratory and field studies on the develop-  
ment and control of stem rot of rice. Arkansas Agr.  
Exp. Stat. Bull. 295. 23 p. illus. D.1933. (100Ar42)

Valleau, W. D., Fergus, E. N. & Henson, L.

Resistance of red clovers to Sclerotinia  
trifoliorum Erik., and infection studies.

Kentucky Agr. Exp. Stat. Bull. 341:115-131. illus.  
Je. 1933 (100K41)

Folsom, D.

Apple spraying and dusting experiments 1928  
to 1932 in relation to scab, yield, and tree  
growth. Maine Agr. Exp. Stat. Bull. 368: 417-  
501. 4 pl. N.1933. (100M28S)

Stadler, L. J.

On the genetic nature of induced mutations  
in plants. II. A haplo-viable deficiency in maize.

Missouri Agr. Exp. Stat. Res. Bull. 204. 29 p.  
illus. N.1933 (100M693)



Expt. Stat. Publ. (cont.)

New Jersey agricultural experiment station -  
Dept. of plant pathology.  
Sand culture of *Rhododendron ponticum*.  
Its Nursery Dis. Notes 6: 25-29. Ja.1934.  
464.9N46)

New York state agricultural experiment station  
Division of botany. Its Ann. Rep. 52(1932/  
33): 27-42. 1934. (100N48)  
Includes plant diseases.  
F. C. Steward & M. T. Munn chiefs.

New Books.

Arkhimovich, A. Z.  
Biologiya zakharnoi svekly [Biology of the sugar  
beet] pt. I-II. Khar'kov, Kiev, Isdatel'stvo HK  
Snaba USSR, 1932 (66Uk722)

Arnold Arboretum.  
Catalogue of the Library ... vol.3 (Supplement)  
Cambridge, Cosmos press, 1933 (240.5Ar6)

Chopra, R. N.  
Indigenous drugs of India, their medical and  
economic aspects. Calcutta, The art press, 1933.  
(396.C45)

Indian medicinal plants: p.456-540. Index of  
common vernacular names.

Osterhout, W.J. Van L.  
The electrical behavior of large plant cells.  
In Cold Spring Harbor Symposia on quantitative bi-  
ology 1: 125-130. illus. 1933 (442.9C672C)

Osterhout, W. J. Van L.  
Osmotic pressure in relation to permeability  
in large plant cells and in models. In Cold  
Spring Harbor Symposia on quantitative biology  
1: 166-169. 1933(442.9C762C)

Dahlgren, B. E.  
A forest of the coal age. Chicago, 1933.  
(Field museum of natural history, Geology leaflet  
14) (402.1D13)

Herzog, T.  
Pflanzengeographie. Potsdam, Akademische ver-  
lagsgesellschaft Athenaion, 1933 (452.9H44)  
Sonderabdruck aus den Handbuch der geographischen  
wissenschaft.



New Books (cont.)

Institut international d'agriculture.

Maladies et ennemis des cafeiers. In its  
Le café en 1931 et 1932.... Rome, 1933, p.185-  
222. (291.368In8)

Jávorka, S

A Magyar flóra képekben (Iconographie florae  
hungaricae) pt.18. Budapest, 1933 (f 459.7J32Ma)

Kamprath, J.

Der einfluss der bewässerung auf die wurzelent-  
wicklung verschiedener gräser. Bottrop i W.,  
W. Postberg, 1933, (60.1KL2)

Inaug.-diss. Landw. Hochsch. Berlin.

Krieger, W.

Die desmidiaceen Europas mit berucksichtigung  
der aussereuropäischen arten. lfg. 1.  
Leipzig, 1933 (Dr. L. Rabenhorsts Kryptogamen-flora  
von Deutschland, Oesterreich und der Schweiz.  
13. bd., Abt. I) (461R11)

Das pflanzenreich heft 98g. Sapindaceae VII, von  
L. Radlkofer. N.29, 1933. (452.En3P)

Pribram, E.

Klassifikation der schizomyceten. Leipzig &  
Wien, F. Deuticke, 1933. (461.4P932)

Schütte, K.

Landschaftskunde und pflanzensoziologie in der  
Lüneburger heide (zwischen Wilseder und Luhe)  
Hamburg, 1931 (463.82Sch8)

Inaug.-diss. Hamburg.

Reprinted from "Jahrbuch 1933 der Geographisch-  
en gesellschaft für das land Braunschweig".

Verplanck, G.

Contribution à l'étude histologique & cytol-  
gique d'une maladie de la pomme de terre apelée  
en Amérique spindle tuber, par. G. Verplanck...  
Bruxelles, M. Lamertin, 1930 (464.045V59)

Extrait des Mémoires...Académie royale de  
Belgique (Classe des sciences) Coll. in 8°, 2 sér.  
t.11.



V.16, no.3, p.35.

New Books (cont.)

Veselovskaja, M. A.

Mak, ego klassifikatsiia i znachenie, kak maslichnoi kul'tury (The poppy, its classification and its importance as an oleiferous crop) Leningrad, 1933. (Prilozhenie 56-oe k Trukam op prikladnoi botanike, genetike i selektsii) (77V63)

Russian with English summary.

Wardlaw, C. W.

The storage behaviour of limes. Trinidad,  
Printed by the government printer, 1933. (280.393W21)

Reprints from publications not yet rec'd or not available.

Haan, I. de.

Protoplasmaquellung und wasserpermeabilität.  
Reprinted from Recueil Trav. Bot. Néerl. v.30,  
p.234-335. 1933.

Mekel, J. C.

Die entwicklung des stammes von Matteuccia struthiopteris insbesondere die der Höhlungen.  
Reprinted from Recueil Trav. Bot. Néerl. v.30,  
p. 627-724. illus., pl. iii-vii. 1933.

Corrections.

v.15, no.26, p.22.

Last entry under Riv. Patol. Veg.

Vol. &c. are as follows: 23: 371-377. illus.

S./O. 1933. no.9/10.

v.16, no.1, p.8.

first entry under Deut. Landw. Presse

the paging is 60: 641-642.



# BOTANY

## CURRENT LITERATURE

LIBRARY  
RECEIVED  
★ MAR 1 1934 ★

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 4.

Feb. 12-24, 1934.

Acta For. Fenn. (Helsingfors) (99.9F492)

Hintikka, T. J.

Muutamia havaintoja männyn tuulempestistä.  
(Beitrage zur kenntnis der kiefern-hexenbesen).

Acta For. Fenn. v.39, no.2. 15 p. illus., 2 pl.  
1933.

German summary: p.13-15.

Acta Phytotaxon, & Geobot. Kyoto (450Ac83)

Koidzumi, G.

C.P. Thunberg [Notes on his work on Japanese  
plants] Acta Phytotaxon. & Geobot. Kyoto 2:  
291-305. port. (front). N.1933. no.4.

Japanese.

Koidzumi, G.

New Cerasi from Japan. Acta Phytotaxon.  
& Geobot. Kyoto 2: 288-291. N.1933. no.4.

Prunus hiberniflora, P. shirataki, P. fukudana  
n.sp.

Japanese with Latin diagnoses of new species.

Ohwi, J.

[Euphrasia in Taiwan]. Acta Phytotaxon.  
& Geobot. Kyoto 2: 305-307. N.1933. no.4.

Japanese with Latin diagnoses.

E. pumilio, E. bilineata, E. masamuneana n.spp.

Ohwi, J.

Florula shikanensis. III. Acta Phytotaxon.  
& Geobot. Kyoto 2: 263-287. N. 1933. no.4.

Tatewaki, M. & Kimoto, U.

Florula of the Island of Kaibato (Todomoshiri)  
II. Acta Phytotaxon, & Geobot. Tokyo 2: 227-262.  
illus. N.1933. no.4.



Agr. & Live-stock, India. (Calcutta) (22Ag83A)

Bose, R. D.

The effect of frost on some crops at Pusa.

Agr. & Live-stock, India 3: 555-563. pl. xxxii-xxxiv. N.1933. no.6.

Joshi, N. V.

Kudzu vine (*Pueraria thunbergiana*). Agr.

& Live-stock, India. 3: 585-592. pl. xxxv-xxxvi. (1 col.) N.1933. no.6.

Agr. Gaz. N.S.W. (Sydney) (23N472)

Magee, C. J.

Tomato leaf mould. A disease new to glasshouse crops in New South Wales. Agr. Gaz. N.S.W. 45: 24-26. illus. Ja.1, 1934. no.1.

Amer. Fruit Grow. (Chicago) (80G85)

Darrow, G. M.

Seven new strawberries introduced by U. S. II.

Amer. Fruit Grow. 54(2): 9, 23. F.1934.

Amer. Midl. Nat. (Notre Dame, Ind.) (410M58)

Braun, E. L.

The Lea herbarium and the flora of Cincinnati.

Amer. Midl. Nat. 15: 1-75. illus. (map) Ja.1934. no.1.

Herbarium of Thomas G. Lea now at Phila. Acad. Sci.

House, H. D.

*Acer saccharum* again. Amer. Midl. Nat. 15: 76-77. Ja. 1934. no.1.

Anal. Inst. Biol. Univ. Nac. Mexico. (442.9M57)

Baxter, E. M.

*Opuntia bravoana* n.sp. Anal. Inst. Biol.

Univ. Nac. Mexico. 4: 149-151. illus. 1933. no.3/4.

Sokoloff, D.

Algunas nuevas formas de flagelados del Valle de Mexico. Anal. Inst. Biol. Univ. Nac. Mexico 4: 197-206. illus. 1933. no.3/4.

*Chlamydomonas caeca*, *Phacus asymmetricus*.

*Euglena parasitica*, n.spp.

Ann. Rep. Conserv. Dept. N. Y. (279.9M48)

New York. Conservation dept.

White pine blister rust control [ & forest investigations ] Its Ann. Rep. 22: 125-158. 1933

Includes notes on other diseases.



Arch. Mikrobiol. (Berlin) (442.8Ar26)

Cholodny, N. G.

A soil chamber as a method for the microscopic study of the soil microflora. Arch. Mikrobiol. 5: 148-156. illus. Ja.2, 1934. no.1.

Grundmann, E.

Beitrage zur ökologie von *Bacillus mycoides* (Flugge). Arch. Mikrobiol. 5: 57-83. Ja.22, 1934. no.1.

Nach untersuchungen im hochgebirge.

Lohmann, G.

Nährstoffwirkung und giftwirkung bei *Aspergillus niger*. Arch. Mikrobiol. 5: 31-56. Ja.22, 1934. no.1.

Müller, W.

Untersuchungen über die symbiose von tieren mit pilzen und bakterien. III. Ueber die pilzsymbiose holzfressender insektenlarven. Arch. Mikrobiol. 5: 84-147. illus. Ja.22, 1934. no.1.

Rippel, A. & Witter, P.

Untersuchungen an actinomyceten. Arch. Mikrobiol. 5: 24-30. illus. Ja.22, 1934. no.1.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Nakarai, S. & Sano, T.

Toxikologische untersuchung über giftige bestandteile von *Ryania acuminata*. Arch. Pharm. & Ber. Deut. Pharm. Ges. 272: 1-4. 2 pl. Ja. 1934. no.1.

Arch. Suikerind. Nederl. Indie (Meded.) (Soerabaja) (65.8Ar2)

Honert, T. H. v.d.

Onderzoekingen over de voedingsphysiologie van het suikerriet. 2. Proeven over fosphaatopname. Arch. Suikerind. Nederl. Indië 1933, pt. 3. (Meded. 23): 1119-1156. illus. 1933.

Beitr. Biol. Pflanz. Cohn (Breslau) (450C66)

Fietz, A.

Prähistorische pflanzenreste aus der umgebung von Mährisch-Neustadt. Beitr. Biol. Pflanz. Cohn 21: 221-213. pl.xvi. 1933. no.2/3.

Friebel, H.

Untersuchungen zur cytologie der farne. Beitr. Biol. Pflanz. Cohn 21: 167-210. illus., pl. xiii-xv. 1933. no.2/3.



Beitr. Biol. Pflanz Cohn. (cont.)

Katz, N. J.

Die grundprobleme und die neue richtung der  
phytosoziologie. Beitr. Biol. Pflanz Cohn  
21: 133-166. 1933. no.2/3.

Winkler, H.

Eausteine zu einer monographie von Ficaria.  
8. Ueber bestäubung, fruchtbildung und keimung  
bei Ficaria verna von Herbert Wolter. Beitr.  
Biol. Pflanz Cohn 21: 219-255. 1933. no.2/3.

Winkler, H. & Anton, E.

Studien über Betula alba L. im anschluss an  
Morgenthaler und Gunnarsson. Beitr. Biol. Pflanz  
Cohn 21: 256-299. illus. 1933. no.2/3.

Biochem. Zeitschr. (Berlin) (384B522)

Härdtl, H.

- Ueber die stickstoff-assimilation durch  
Aspergillus niger unter verschiedenen ernährungs-  
bedingungen. Biochem. Zeitschr. 268: 104-115.  
Ja.22, 1934. no.1/3.

Müller, D.

Alkoholdehydrase aus hefe. II. Biochem.  
Zeitschr. 268: 152-157. Ja.22, 1934. no.1/3.

Zeller, A.

Ueber das vorkommen von cholin in meeresalgen.  
Biochem. Zeitschr. 268: 187-188. Ja.22, 1934.  
no.1/3.

Blue Anchor (Sacramento) (268.83B62)

Philip, G. L.

Bees and pollination in deciduous orchards.  
Blue Anchor. 11(2): 6-9. illus. F.1934.

Bot. Mag. Tokyo (450B651)

Akiyama, S.

On the systematic anatomy of the leaves of  
some Japanese Carices. III-IV. Bot. Mag. Tokyo  
47:767-797, 863-881. illus. N., D. 1933.  
no.563, 564.

Japanese.

Emoto, Y.

Entwicklung der sporangien von myxomyceten.  
II. Ueber drei arten von Physaraceae. Bot. Mag.  
Tokyo 47:806-812. illus. N.1933. no.563.



Bot. Mag. Tokyo (cont.)

Hasegawa, N.

Chromosome numbers of some species in  
*Polygonatum*. Bot. Mag. Tokyo 47: 901-903.  
illus. D. 1933. no.564.

Japanese.

Ito, H.

Flora of Mt. Asama (A preliminary note).  
Bot. Mag. Tokyo 47: 882-900. illus. D.1933.

Japanese with list of scientific names of  
plants.: p.888-900.

Kitagawa, M.

Contributio ad cognitionem florae manshuricae.  
I- Bot. Mag. Tokyo 47: 823-841. illus.  
D.1933. no.564.

Kumazawa, M.

Ein neuer fundort von *Tilachlydiopsis nigra*.  
Bot. Mag. Tokyo 47: 903-904. D.1933. no.564.  
Japanese.

Miki, S.

On the sea-grasses in Japan. I. *Zostera* and  
*Phyllospadix*, with special reference to morphological  
and ecological characters. Bot. Mag. Tokyo.  
47: 842-862. illus., pl. iii. D.1933. no.564.

Ogura, Y.

On the structure of a fossil fern stem of  
*Cibotium*-type from the Upper Cretaceous of Iwate.  
Bot. Mag. Tokyo 47: 748-754. illus., pl. ii.  
N. 1933. no.563.

Sakurai, K.

Beobachtungen über japanische moosflora. V.  
Bot. Mag. Tokyo. 47: 733-747. N. 1933. no.563.

Watanabe, K.

Biologie von *Mitrastemon yamamotoi* Makino  
(*Rafflesiaceae*). I. Früchte und samen. Bot.  
Mag. Tokyo 47: 798-805. illus. N.1933. no.563.  
Japanese with German summary: p.804-805.



Bot. Mag. Tokyo (cont.)

Yasui, K.

General studies in *Zea mays* L. Bot. Mag.  
Tokyo 47: 755-766. illus. no.1933. no.563.  
Japanese.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O.

A new *Pleurothallis* from Honduras. Bot. Mus.  
Leafl. Harvard Univ. 2: 25-29. pl. F.6, 1934. no.2.

Ames, O.

Notes on Philippine orchids. Bot. Mus.  
Leafl. Harvard Univ. 2: 31-32. F.6, 1934. no.2.  
*Renanthera elongata*, *Podochilus lucescens*.

Bot. Jahrb. Engl. (Leipzig) (450Em3B)

Bormüller, J.

Aus der flora Afghanistans. Bot. Jahrb.  
Engl. 66: 216-240. Ja. 25, 1934. no.2.

Smith, J. J.

Neue orchideen Papuasiens aus den sammlungen  
von Dr. E. Mayr und G. Stein. In Lauterbach, C.  
Beiträge zur flora von Papuasien. XX. Bot.  
Jahrb. Engl. 66: 161-215. Ja.25, 1934. no.2.

Stankow, S. S.

Grundzüge der anordnung in der pflanzenwelt  
der Südrim (von Sewastopol bis Feodosia) (schluss)  
Bot. Jahrb. Engl. 66: 145-160. Ja.25, 1934. no.2.

Bull. Agence Gén. Colon. France (Paris) (260C71B)

Heim de Balsac, F., Parveaud, A. & Lefèvre, L.

Valeur papetiere de Bois du Cameroun, fiches  
technologiques préliminaires. Bull. Agence  
Gén. Colon. France. 26: 1432-1437. D.1933. no.297.  
*Pycnanthus kombo* (*Myristica kombo*)

Bull. Agr. Congo Belge (Bruxelles) (24K85)

Castagna, E.

*Dialium corbisieri* Stamer. Contribution  
à l'étude chimique des *Dialium* de la flore congo-  
laise. Bull. Agr. Congo Belge. 24: 381-387.  
illus. S.1933. no.3.

Bull. Alpine Gard. Soc. Gt. Brit. (84A16)

Giuseppi, P. L.

Some alpine plants of Persia. Bull. Alpine  
Gard. Soc. Gt. Brit. 2: 1-4. 2 pl. Mr. 1933. no.1.



Bull. Alpine Gard. Soc. Gt. Brit. (cont.)

Ingwersen, W. E. Th.

Alpine and arctic willows. Bull. Alpine Gard. Soc. Gt. Brit. 2: 63-67.4 pl. Je. 1933. no.2.

Stafford, D. B.

Gentians from the south Peruvian Andes. Bull. Alpine Gard. Soc. Gt. Brit. 2: 42-44. 2 pl. Je.1933. no.2.  
Unnamed.

Woodhead N.

Alpine plants of the Snowdon Range. Bull. Alpine Gard. Soc. Gt. Brit. 2: 12-21, 45-51. 4 pl. Mr., Je.1933. no.1,2.

Some Chinese & Himalayan gentians. Bull. Alpine Gard. Soc. Gt. Brit. 2: 33-42. 7 pl. (1 col.) Je.1933. no.2.

Bull. Amer. Delphinium Soc. (96.527Am3)

Haskins, C. P.

The x-ray treatment of delphiniums. Bull. Amer. Delphinium Soc. 2(2): 6-10. Ja. 1934. no.2.

Heald, F. D. & Burnett, G.

A viroous disease of perennial delphiniums. Bull. Amer. Delphinium Soc. 2(2): 14-21. illus. Ja. 1934.

Bull. Cl. Sci. Acad. Roy. Belge. (Bruxelles) (5043833)

Terby, J.

Cas d'orientation des figures de division les unes par rapport aux autres au sein d'un plasmodium.

Bull. Cl. Sci. Acad. Roy. Belg. V,19: 1198-1206. illus. 1933. no.10/11.

Bull. Rubber Grow. Assoc. (78.9R822E)

Taylor, V. A.

Oidium heveae. Bull. Rubber Grow. Assoc. 16: 8-10. Ja.1934. no.1.

Bull. Shanghai Sci. Inst. (513Sh15)

Nakao, M.

Note on "Shao-hsing hsiao-ting ching-shih cheng-lie pei-chi pen-t'sao" (The ancient Chinese materia medica revised in the Sung Dynasty Shao-hsing period (1131-1162)). Bull. Shanghai Sci. Inst. 2: 11-121. My. 1933. no.2.

Chinese, index of scientific names of plants  
English summary appears in Separate print no.1.  
from Journ. Shanghai Sci. Inst. Sect. III, v.1, May. 1933. 9 p. (513Sh15J)



Bull. Soc. Bot. France (Paris) (451F84B)

Benoist, R.

La phyllotaxie chez quelques espèces de caryophyllacées et de valériancées. Bull. Soc. Bot. France 80: 563-565. illus. D.23, 1933. no.7/8.

Species of *Arenaria*, *Aretiastrum sedifolium*, *Phyllactis rigida*.

Bertrand, P.

Observations sur le classification des fougères anciennes (Palaeoptéridales) du dévonien et du carbonifère. Bull. Soc. Bot. France 80: 527-537. illus. D.23, 1933. no.7/8.

Bouly de Lesdain, M.

*Puccinellia*, *Poa* et *Avena* des environs de Dunkerque. Bull. Soc. Bot. France 80: 514-522. D.23, 1933. no.7/8.

Carbonel, J.

Liste complète des muscinées observées dans la commune de Thérondels (Aveyron). Bull. Soc. Bot. France 80: 509-514. D.23, 1933. no.7/8.

Chermezon, H.

Cypéracées nouvelles du Gabon. II. Bull. Soc. Bot. France 80: 506-509. D.23, 1933. no.7/8.

Colin, H.

La descendance de l'hybride orge noire et lisse x orge blanche et rugueuse. Bull. Soc. Bot. France 80: 537-542. D.23, 1933. no.7/8.

Cugnac, A. de.

Sur quelques espèces de bromes et leurs hybrides. II. *Bromus macrantherus* Hack. Note préliminaire. Bull. Soc. Bot. France 80: 561-562. D.23, 1933. no.7/8.

Dauphiné, A.

Gustave Chauveaud (1859-1933). Bull. Soc. Bot. France 80: 555-561. pl. iv(port.) D.23, 1933. no.7/8.

Dughi, R..

Un nouveau pyrénomycète lichénicole *Adelococcus nephromicolus*, nov.sp. Bull. Soc. Bot. France 80: 570-574. D.23, 1933. no.7/8.



Bull. Soc. Bot. France (cont.)

Fouillade, A.

Suite à ma note sur quelques bromes. (Réponse à M.A. de Cugnac et Mlle. A. Camus). Bull. Soc. Bot. France 80: 497-499. D.23, 1933. no.7/8.  
see also p.499 (Une dernière précision en réponse à M.Fouillade, par Antoine de Cugnac et Aimée Camus)

Fournier, Paul abbé

Pour la défense de la phytosociologie.  
Bull. Soc. Bot. France 80: 501-506. D.23, 1933. no.7/8.

Frémy, Pierre abbé & Guinochet, M.

Contribution à la flore algologique des Alpes dauphinoises. Bull. Soc. Bot. France 80: 576-581. D.23, 1933. no.7/8.

Guillaumin, A.

Materiaux pour la flore de la Nouvelle Calédonie. XXXII i.e. XXXIII. Revision des verbénacées. Bull. Soc. Bot. France 80: 476-480. D.23, 1933. no.7/8.

Gustafsson, C. E.

*Rubus apetalus* Poir. Bull. Soc. Bot. France 80: 569-570. D.23, 1933. no.7/8.

Hamet, R.

Observations sur le *Kalanchoe uniflora* (Stapf) Raymond-Hamet.) Bull. Soc. Bot. France 80: 542-548. D.23, 1933. no.7/8.

Hamet, R.

La rubiacée que Good a décrite sous le nom de *Pausinystalia mayumbensis* n'est pas un *Pausinystalia*, mais un *Coryanthe*. Bull. Soc. Bot. France 80: 549-553. D.23, 1933. no.7/8.

Lion. Ho, M.

Un sous-genre nouveau et une espèce nouvelle de *Litsea* au Yunnan. Bull. Soc. Bot. France. 80: 566-568. illus. D.23, 1933. no.7/8.  
*Litsea* (*Octolitsea*) *liyuyingi*.

Loubiere, A.

Classification des ptéridospermes fondée sur l'anatomie comparée de leurs seules graines.  
Bull. Soc. Bot. France. 80: 468-475. D.23, 1933. no.7/8.



Bull. Soc. Bot. France (cont.)

Maire, R.

John Briquet (1870-1931). Notice biographique.  
Bull. Soc. Bot. France 80: 442-463. pl. iii (port.)  
D.23, 1933. no.7/8.

Moreau, F. & Moruzi, C.

Sur de nouvelles irrégularités de la bipolarité  
sexuelle chez les ascomycètes du genre Neurospora.  
Bull. Soc. Bot. France 80: 574-576. D.23, 1933.  
no.7/8.

Pellegrin, F.

De quelques légumineuses de l'Afrique occidentale.  
Bull. Soc. Bot. France 80: 463-467. D.23, 1933.  
no.7/8.

Canad. Hort. (Peterboro, Ont.) (80G16)

Mayers, N.

Suggestions for the control of Rhizoctonia.  
Canad. Hort. 57: 29. illus. F.1934. no.2.

Cavanillesia (450C31)

Font Quer, P.

De flora occidentalis adnotaciones. XI.  
Cavanillesia 6: 22-24. D.10, 1933. no.1/3.

Codina, J.

Notes sobre la Volvaria bombycina Schaeff.  
Cavanillesia 6: 25-28. illus. D.10, 1933. no.1/3.

Mairo, R.

Observations sur quelques plantes du Maroc  
septentrional. VII. Cavanillesia 6: 5-21.  
D.10, 1933. no.1/3.

Mas Guindal, J.

Materiales para la flora de Marruecos. VIII-IX.  
Cavanillesia 6: 29-32. D.10, 1933. no.1/3.

Compt.Rend. Acad. Sci. Paris (505P21)

Biccheler, B.

Sur un dinoflagellé à capsule périnucléaire,  
Plectodinium, n.gen. nucleovolvatum, n.sp. et  
sur les relations des péridiniens avec les  
radiolaires. Compt. Rend. Acad. Sci. Paris 198:  
404-406. illus. Ja.22, 1934. no.4.



Compt. Rend. Acad. Sci. Paris. (cont.)

Bouges, Mlle.

Sur quelques résultats de la suralimentation et de la sous-alimentation embryonnaires chez l'avoine. Compt. Rend. Acad. Sci. Paris 198: 606-608. illus. F.5, 1934. no.6.

Bruere, P.

Taux et répartition du manganèse dans le grain de blé. Compt. Rend. Acad. Sci. Paris 198: 504-507. Ja.29, 1934. no.5.

Colin, H. & Payen, J.

Le sucre de Rivularia bullata. Compt. Rend. Acad. Sci. Paris 198: 384-386. Ja.22, 1934. no.4.

Costantin, J.

Notion nouvelle de l'enroulement doux de la pomme de terre. Compt. Rend. Acad. Sci. Paris 198:299-302. Ja.22, 1934. no.4.

Guerin, P.

L'acide cyanhydrique chez les graminées: Melica et Glycerium. Compt. Rend. Acad. Sci. Paris 198: 383-384. Ja.22, 1934. no.4.

Lavialle, P. & Jaeger, P.

Polymorphisme floral: la gynomonocécie et la gynodioécie chez Knautia arvensis Coult. Compt. Rend. Acad. Sci. Paris 198: 603-606. F.5, 1934. no.6.

Le Blanc, R.Mlle.

Sur la reproduction du Chaetoceros pseudo-curvisetum Mangin. Compt. Rend. Acad. Sci. Paris 198: 601-603. illus. F.5, 1934. no.6.

Maublanc, A. & Roger,

Le phthiriose du caféier. Compt. Rend. Acad. Sci. Paris 198: 391-392. Ja.22, 1934. no.4.

Identical with disease described from Uganda & Kenya and ascribed to Polyporus coffeae. Seems to think that the fungus is more likely Bornetina corium which is connected with phthiriosis of vine, and that Polyporus coffeae developed on dead wood of plant. In either case the fungus is saprophytic, cochennilles being the primary cause.



Compt. Rend. Acad. Sci. Paris (cont.)

Picttre, M.

Maturation des graines de blé. Influence de quelques phénomènes physicochimiques. Compt. Rend. Acad. Sci. Paris. 198: 608-611. F.5, 1934. no.6.

Sartory, A., Sartory, R., Meyer, J. & Ernst,

Influence inhibitrice du radium sur la croissance des racines de *Lens esculenta* Moench: modifications de la dose empêchante minima sous l'influence d'ions favorisants. Compt. Rend. Acad. Sci. Paris 198: 386-388. Ja.22, 1934. no.4.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Gratia, A.

Des analogies entre les virus des plantes et les bacteriophages: rapprochement avec les tumeurs. Compt. Rend. Soc. Biol. Paris 115: 189-192. 1934. no.2.

Lenoir, M.

Observations sur le phénomène de contraction synizésique dans l'anthère du *Lilium martagon* L. Compt. Rend. Soc. Biol. Paris 115: 168-170. 1934. no.2.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Chailakhian, M.

Iarovizatsiia rastenii svetom (Yarovization of plants by the action of light). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1933, A: 224-229. illus. no.5.

Russian with English summary.

Experiments with wheat "Ukrainka" (v. erythroperum), barley O2495 (v. pallidum) rye "Viatka", Ukrainian vetch A-101 and rape no.155.

Chailakhian, M. Kh.

Vozrast rastenii i fotoperiodicheskaia reaktsiia (The age of plants and the photoperiodic reaction) Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1933, A: 306-314. illus. no.6.

Russian with English summary.

Experiments with millet (*Panicum miliaceum* v. cf-fusum)



Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (cont.)

Imshenetskiĭ, A. A. & Kriss, A. E.

Materialy k izucheniiu nesovershennykh gribov  
(Matériaux pour l'étude des fungi imperfecti) 2.  
*Oospora corticalis* n.sp. Dokl. Akad. Nauk SSSR  
(Compt. Rend. Acad. Sci. URSS) 1933, A: 140-146.  
2 pl. no.8.

Russian with German summary.

Rozov, S. A.

Rol pchel v perekrestnom opylenii tsvetov podsol-  
nechnika (The role of the bees in the cross-pollini-  
nation of the sunflower). Dokl. Akad. Nauk SSSR  
(Compt. Rend. Acad. Sci. URSS) 1933, A: 303-305.  
no.6.

Russian with English summary.

Empire For. Journ. (99.8Em72)

Elm disease in Great Britain. Empire For.  
Journ. 12: 264-265. 1933. no.2.

Harris, C. M.

Stone in *Chlorophora excelsa* B. & H., Iroko,  
Empire For. Journ. 12: 229-238. illus., 2 pl.  
1933. no.2.

"Stone to be looked for in the wounds and  
scars of standing trees".

Robertson, C. C.

The cultivation of Mexican pines in the Union  
of South Africa, with notes on the species and  
their original habitat, (cont.). Empire For.  
Journ. 12: 71-90, 241-253. 6 pl. on 3. 1933.  
no.1,2.

Erdész. Kisérl. (Hungary) (Sapron) (99.9Er22)

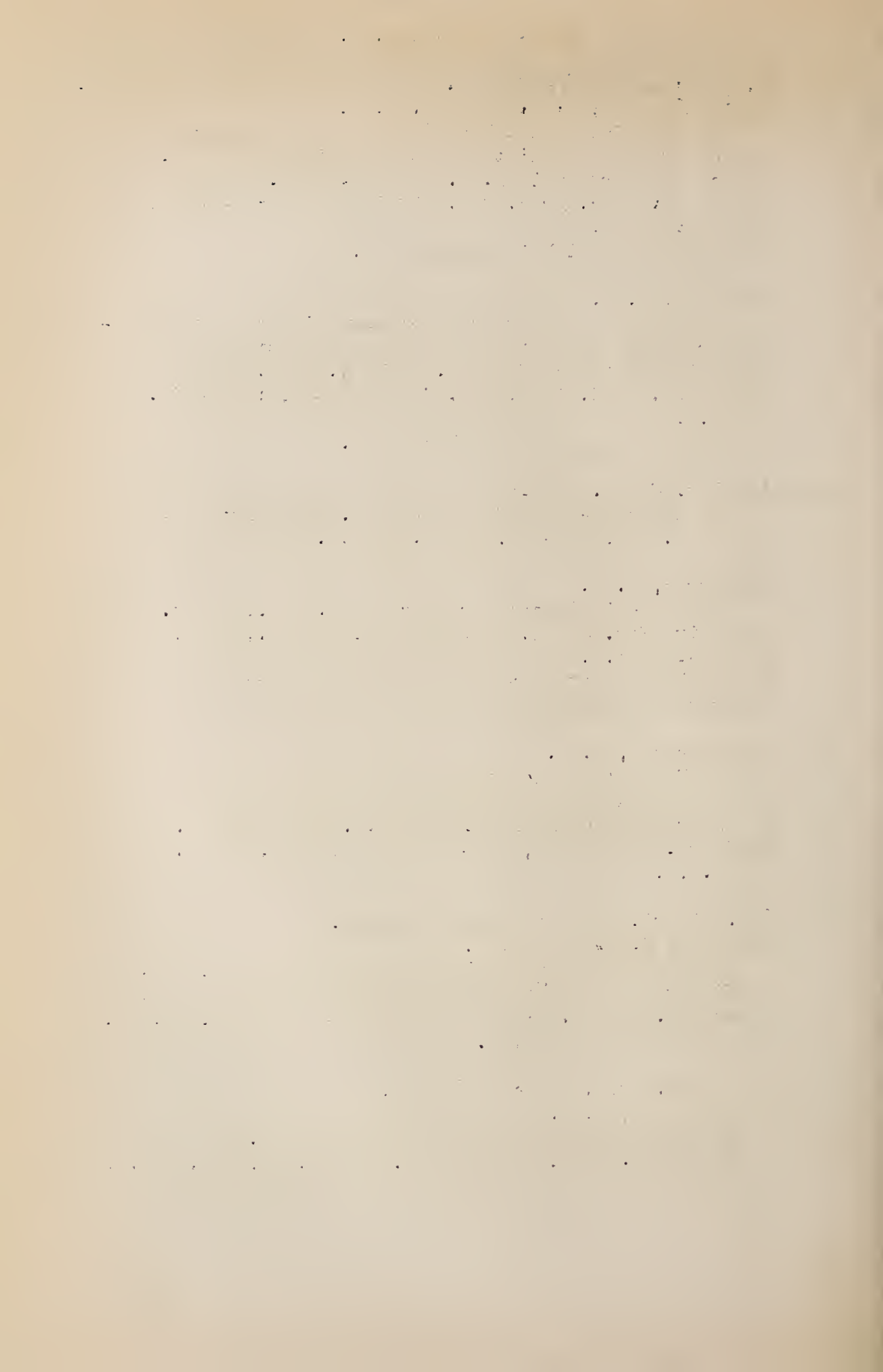
Fehér, D. & Besenyi, Z.

Vizsgálatok az erdőtalaj gombaflórájáról.  
(Untersuchungen über die pilzflora der waldböden).  
Erdész. Kisérl. (Hungary) 35: 55-77. 1933. no.1/2.  
German summary: p.75-77.

Forestry (Gt. Brit.) (London) (99.8F767)

Chattaway, M. M.

Ray development in the Sterculiaceae, For-  
estry (Gt. Brit.) 7: 93-105. illus. D.1933. no.2.



Gard. Chron. (London) (80G162)

Balls, E. K.

Plant collecting in Persia. III. Kuh Bamu  
and Kuh Ajub. Gard. Chron. III, 95: 78-79.  
illus. F.3, 1934. no.2458.

Friend, F.

Herbals and herbalists. V. Fliny the Elder.  
Gard. Chron. III, 95: 79-80. F.3, 1934. no.2458.

Green, D. E.

Antirrhinum rust. Gard. Chron. III, 95:  
81. illus. F.3, 1934. no.2458.

Grove, A.

Lilies in 1933. Gard. Chron. III, 95: 63-64.  
illus. Ja.27, 1934. no.2457.

Le Sueur, A.D.C.

The repair of wounds in trees. Gard. Chron.  
III, 95: 76. F.3, 1934. no.2458.

Roberts, W.

A Bristol catalogue, 1769. Gard. Chron. III,  
95: 62-63. Ja.27, 1934. no.2457.

"A catalogue of fruit and forest trees, also  
flowering shrubs, English and foreign, sold by Tho-  
mas King, at his nursery and seed warehouse in  
Stoke's Croft, Bristol".

Vernalisation. II. Gard. Chron. III, 95:53.  
Ja.27, 1934. no.2457.

Walther, E.

Banksias in California. Gard. Chron. III,  
95: 76-77. illus. F.3, 1934. no.2458.

Gard. Illus. (London) (80G169)

Clay, S.

Variation in cultivated *Meconopsis*. II.  
Gard. Illus. 56: 50-52. illus. Ja.27, 1934.  
no.2864.

Gartn.-Tid. (København) (80G192)

Neergaard, P.

Smittetacer hos kartoffelskimmel (*Phytophthora*  
*infestans*). Gartn.-Tid. 50: 62-64. Ja.30, 1934.  
no.5.



Hilgardia (Berkeley, Cal.) (100C12H)

Crafts, A. S.

Sulfuric acid as a penetrating agent in  
arsenical sprays for weed control. Hilgardia  
8:125-147. illus. D.1933. no.4.

House & Gard. (Greenwich, Conn.) (80H81)

Gabrielson, I. N.

Plants from the high Olympics in the far  
northwest. House and Gard. 65(3): 40-41, 85,  
87. illus. Mr.1934.

Stout, A. B.

Better and newer daylilies for all. House  
and Gard. 65(3): 52-53, 91. illus. Mr.1934.

Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) (Leningrad) (511Sa2B)

Meisel, M. N.

Izmeneniia zhivoi rastitel'noi kletki pod vliiani-  
em khimicheskikh agentov (Veränderungen der leben-  
den pflanzlichen zellen bei einwirkung chemischer  
agenzien. I. Ultramikroskopische beobachtungen an zellen  
von Allium cepa. Izv. Akad. Nauk SSSR (Bull. Acad.  
Sci. URSS) 1933: 983-996. illus. no. 7:

Izv. Permsk. Biol. Nauchno-Issl. Inst.(Bull. Inst. Rech.

Biol.Perm)(442.9P42)

Baranov, V.

Geobotaniskie issledovaniia v Ural'skoi  
oblasti (Geobotanical investigations in the  
Ural province). Izv. Permsk. Biol. Nauchno-  
Issl.Inst.(Bull. Inst. Rech. Biol. Perm) 8: 283-  
318. map. 1933. no.6/8.

Russian with English summary.

Baranov, V. I.

K simbolike geobotanicheskoi karty (Notes on  
the symbology of a geobotanical map) Izv. Perm-  
sk. Biol. Nauchno-Issl.Inst.(Bull.Inst. Rech. Biol.  
Perm) 8: 277-282. 1933. no.6/8.

Russian with English summary.

Gusev, S. D.

Floristicheskie zametki (Floristic notes).  
Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst.  
Rech. Biol. Perm) 8: 253-257. 1933. no.5/8.

Russian with English summary.



Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Rech.  
Biol. Perm) (cont.)

Henckel, A. A. & Ostasheva, E. I,  
Viziächie bolota okrestnostei gory Yaman-Tau  
na iuzinom Uralo ("Hanging" swamps in the environs  
of Mount Yuman-Tau, the south Urals). Izv.  
Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst.  
Rech. Biol. Perm) 8: 233-252. 2 pl. 1933.  
no.6/8.

Russian with English summary.

Khrebtov, A. A. & Dvornikov, V.S.  
Sorniäki Urala, kak maslichnye rasteniia  
(The weeds of the Ural, as oil-producing plants)  
Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull.  
Inst. Rech. Biol. Perm) 8: 259-264. 1933. no.6/8.  
Russian with English summary.

Krasovskii, P. N. & Segreeva, A.M.  
Ob oshibochnosti otnoseniia k lesostepi Kras-  
noufimskoi i Kungurskoi territorii priural'ia  
(Ueber die irrtümlichkeit der zurechnung der  
territorien Krasnoufimsk und Kungur zur waldsteppe)  
Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst.  
Rech. Biol. Perm) 8: 265-276. pl.3-7. 1933.  
no.6/8.

Russian with English summary.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Beatus, R.

Der erbgang der pentasopalic bei den zwischen-  
rassen von Veronica tournefortii. Jahrb. Wiss.  
Bot. 79: 256-295. illus. 1934. no.2.

Bünning, E.

Die mochanik der tagesperiodischen variations-  
bewegungen von Phascolus multiflorus. Jahrb.  
Wiss. Bot. 79: 191-230. illus. 1934. no.2.

Simon, S. V.

Weitere untersuchungen zur keimungsphysiologie  
der winterknospen von Hydrocharis. II-IV. Jahrb.  
Wiss. Bot. 79: 296-310. 1934. no.2.

II. Ueber die wirkung der einzelnen  
spektralbereiche auf das austreiben dorknospen.  
III. Ueber die abstumpfende wirkung der einzel-  
nen spektralbereiche. IV. Ueber die abhängigkeit der  
grösse der abstumpfung von der während der vorbelichtung  
herrschenden temperatur.



Jahrb. Wiss. Bot. (cont.)

Söding, H.

Ueber die wachstumsmechanik der haferkoleoptile.  
Jahrb. Wiss. Bot. 79: 231-255. illus. 1934.  
no.2.

Wenzl, H.

Untersuchungen über den wasserhaushalt von  
*Marchantia polymorpha*. Jahrb. Wiss. Bot.  
79: 311-352. illus. 1934. no.2.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Humphrey, C.J. & Siggers, P. V.

Temperatur relations of wood-destroying fungi.  
Journ. Agr. Res. 47: 997-1008. illus. D.15,1933.  
(Rec'd F.21,1934) no.12.

Journ. Agr. Sci. (London) (10J822)

Thomas, B.

On the composition of common heather (*Calluna  
vulgaris*). Journ. Agr. Sci. 24: 151-155. Ja.  
1934. no.1.

Journ. Amer. Chem. Soc. (381Am33J)

Adams, M. & Oakberg, F. S.

Essential oil in desert plants. III. Examina-  
tion of the oil of *Artemisia tridentata typica*.  
Journ. Amer. Chem. Soc. 56: 457-459. F.1934.  
no.2.

Journ. Biol. Chem. (Baltimore) (381J824)

Matlack, M. B. & Sando, C. E.

A contribution to the chemistry of tomato  
pigments. The coloring matter in American red  
and purple tomatoes. (*Lycopersicon esculentum*)  
Journ. Biol. Chem. 104: 407-414. illus.  
F.1934. no.2.

Smith, J.H.C. & Milner, H. W.

Carotene, VII. Physical properties of carotenes  
from different plant resources. Journ. Biol. Chem.  
104: 437-447. F.1934. no.2.

Journ. Roy. Hort. Soc. (London) (84I84J)

Blackman, V. H.

Plants in relation to light and temperature.  
Journ. Roy. Hort. Soc. 59: 1-13. illus., 4 pl.  
no. 2. 1934. no.1.



Journ. Roy. Hort. Soc. (cont.)

Gates, R. R.

Sterility in plants. Journ. Roy. Hort. Soc. 59: 141-144. 1934. no.1.

A paper presented at the Lily conference but not published in the Lily year book.

Gould, N. K.

The hot water treatment of narcissus bulbs. Journ. Roy. Hort. Soc. 59: 78-81. 3 pl. on 4. 1934. no. 1.

Green, D. E.

Antirrhinum rust. A disease new to Great Britain, caused by the fungus Puccinia antirrhini Diet. & Holw. Journ. Roy. Hort. Soc. 59: 119-126. 2 pl. on 1. 1934. no.1.

Hill, A. W.

Otto Stapf, Ph.D., F.R.S., F.L.S., V.M.H. (1857-1933). Journ. Roy. Hort. Soc. 59: 127-130. pl. (port.) 1934. no.1.

Rohde, E. S.

English gardens in medieval, Tudor and Stuart times. Journ. Roy. Hort. Soc. 59: 37-49. 3 pl. on 4. 1934. no.1.

Soames, A. G.

Autumn colours at Sheffield Park, Sussex. Journ. Roy. Hort. Soc. 59: 97-106. 18 pl. on 9, map. 1934. no.1.

Stearn, W. T.

Colchicum hungaricum Janka. Journ. Roy. Hort. Soc. 59: 67-70. 1934. no.1.

Tincker, M. A. H.

Tests of sodium chlorate as a garden weed killer, at Wisley. Journ. Roy. Hort. Soc. 59: 107-118. 1934. no.1.

Warr, H.E. & Gresham, C.E.

Summer flowers on Mount Troodos, Cyprus. Journ. Roy. Hort. Soc. 59: 71-73. 4 pl. on 2. 1934. no.1.

Journ. Sci. Hiroshima Univ. Ser. B, Div. 2 (Botany) (451H61) Shimotomai, N.

Zur karyogenetik der gattung Chrysanthemum. Journ. Sci. Hiroshima Univ. Ser. B, Div. 2 (Botany) v.2, no.1. illus., 10 pl. D.1933.



Journ. Washington Acad. Sci. (500W276J)

Ball, C. R.

Two new varieties of *Salix scouleriana*

Barratt. Journ. Washington Acad. Sci. 24:  
73-78. illus. F.15, 1934. no.2.

*S. scouleriana* var. *coetanea*, *S. scouleriana*.  
var. *thompsoni*.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

*Mammillaria haehneliana* Böd. sp.n. Kakteenk.  
Deut. Kakteen-Ges. 1934: 27-28. illus. F.  
1934. no.2

Huber, J. A.

Präparationsmethoden von sukkulenten.  
Kakteenk. Deut. Kakteen-Ges. 1934: 23-27.  
illus. F.1934. no.2.

Kranke Pflanze (Dresden) (464.8K86)

Laubert, R.

Was jeder über die *Plowrightia*-krankheit der  
obstbäume wissen sollte. Kranke Pflanze 11: 3-5.  
illus. Ja. 1934. no.1.

Lavori R. Ist. Bot. Palermo (451P17L)

Bruno, F.

Contributo allo studio della funzione degli  
oli essenziali nelle piante. Lavori R. Ist.  
Bot. Palermo 4: 11-24. 1933.

Bruno, F.

Studio spettroscopico del pigmento verde dei  
funicoli e dei semi verdi della *Yacaranda mimosae-*  
*folia* Don. Lavori R. Ist. Bot. Palermo 4: 155-  
167. illus. pl.v. 1933.

Bruno, F.

Sulla struttura anatomica delle spine delle  
*Aloe* e delle verruche delle *Haworthia*. Lavori R.  
Ist. Bot. Palermo 4: 6-10. illus., pl.i.  
1933.

Catalano, G.

La struttura della *Oxalis* alla luce della  
dottrina del fillopodio. Lavori R. Ist. Bot.  
Palermo 4:84-132. illus. 1933.



Lavori R. Ist. Bot. Palermo (cont.)

Ciferri, R.

Associazione tra larve della mosca delle frutta (*Ceratitis capitata*) e un coccobacillo (*Escherichia ellingeri*). Lavori R. Ist. Bot. Palermo 4: 168-200. illus., pl.vi-vii. 1933.

Infection following attack of Mediterranean fruit fly.

Ciferri, R.

Sulla formazione di coremi e la proprietà cromogene di un *Penicillium*. Lavori R. Ist. Bot. Palermo 4: 40-67. pl.ii-iv. 1933.

Gioelli, F.

Embriologia del *Mahito esculenta* Crantz. Lavori R. Ist. Bot. Palermo 4:256-261. pl.xiv. 1933.

Gioelli, F.

Osservazioni sulla flora microbica del liquido carpellare di *Firmiana platanifolia* Schott et Endl. Lavori R. Ist. Bot. Palermo 4: 1-5. 1933.

Gioelli, F.

Polimorfismo sessuale e sviluppo del gametofito femminile e del polline in *Nolina longifolia* Hemsley. Lavori R. Ist. Bot. Palermo 4: 241-255. pl. xii-xiii. 1933.

Montemartini, L.

Alcune osservazioni sopra la produzione e la circolazione degli assimilati nelle piante. Lavori R. Ist. Bot. Palermo 4: 133-154. 1933.

Montemartini, L.

Ancora sull'azione della luce sopra la forza di attrazione del protoplasma per l'acqua. Lavori R. Ist. Bot. Palermo 4: 68-83. 1933.

Passalacqua, T.

La variegatura patologica del *Pelargonium* ed altre piante. Lavori R. Ist. Bot. Palermo 4: 201-240. illus., pl.viii-xi bis. 1933.

Caused by *Bacterium barkeri*.

Vignoli, L.

Studio citologico sul genere *Quercus*. Lavori R. Ist. Bot. Palermo 4: 25-39. illus. 1933.



Meded. Deli Proefst. Medan, Sumatra (109.5D37)

Jochems, S. C. J.

Overzicht van de ziekten en plagen der Deli-tabak  
in het jaar 1933. A. Ziekten. Meded.Deli Proefst.  
Medan-Sumatra II,28: 3-16. 1933.

Mitt. Deut. Dendrol. Ges. (99.9D452)

Bauer, G.

Beiträge zur systematik der gattung Cotoneaster.  
Mitt. Deut. Dendrol. Ges. 45: 77-80. 1933.

Bauer, G.

Die holzzerstörenden pilze und ihre bekämpfung.  
Mitt. Deut. Dendrol. Ges. 45: 253-261. 1933.

Bertram, A.

Die heimat der *Abies numidica*, am Djebel Babor  
(Kleine Kabylie). Mitt. Deut. Dendrol. Ges.  
45: 173-180. 1933.

Boerner, F.

Die immergrünen strauchigen *Lonicera*-arten.  
Mitt. Deut. Dendrol. Ges. 45: 91-95. pl.4. 1933.

Boxberger, L.v.

Ueber die waldbildenden holzpflanzen des  
marokkanischen Rif-gebietes. Mitt. Deut.  
Dendrol. Ges. 45: 131-133. pl.11-12. 1933.

Bredemann, G.

Untersuchungen zur diagnose von rauchschäden.  
Mitt. Deut. Dendrol. Ges. 45:212-217. 1933.

Diersche, M.

Blattstudien. Mitt. Deut. Dendrol. Ges.  
45: 218-220. 1933.

1. Herbstfärbung. 2. Der herbstliche laubfall.

Fritzsche, E.

Pilz und baum. Mitt. Deut. Dendrol. Ges.  
45: 270-272. 1933.

Garbers, F.

Zu dem thema "misshandelte strassenbäume".  
Mitt. Deut. Dendrol. Ges. 45: 283-285. 1933.

Gessner, F.

Die verbreitung der zwergpalme in Europa.  
Mitt. Deut. Dendrol. Ges. 45: 96-100. illus.  
1933.

*Chamaerops humilis*.



Mitt. Deut. Dendrol. Ges. (cont.)

Glogau, A.

Immergrüne laubgehölze und zwergnadelhölzer für den staudergarten und den steingarten. Mitt. Deut. Dendrol. Ges. 45: 319-322. 1933.

Harms, H.

Zur kenntnis von *Eucommia ulmoides* Oliv. Mitt. Deut. Dendrol. Ges. 45: 1-4. illus. 1933.

Heineck, K.

Hexenbesen auf einer herzkirsche. Mitt. Deut. Dendrol. Ges. 45: 350-353. pl.31-34. 1933.

Herrmann,

Zapfen-bestimmungstabellen. Mitt. Deut. Dendrol. Ges. 45: 135-143. illus. 1933.

Jahn, E.

Bemerkenswerte gehölze im botanischen garten der forstlichen hochschule in Hann.-Münden. 6. Ueber das genetische verhalten eines schlitzblättrigen silberahorns. Mitt. Deut. Dendrol. Ges. 45: 293-298. illus. 1933.

Kanngiesser, F.

Dendrologische toxicologie. VII. Mitt. Deut. Dendrol. Ges. 45: 299-304. 1933.

Kern, E.

Die eichenarten Transkaukasiens. Mitt. Deut. Dendrol. Ges. 45: 81-83. 1933.

Koch, F.

Die bedeutung der Wegener'schen theorie für die dendrologie. Mitt. Deut. Dendrol. Ges. 45: 184-193. illus.(maps) 1933.

Koch, F.

Ueber das entwicklungsgeschichtlicher alter der bäume und ihre geographische verbreitung in vergangenheit und gegenwart. Mitt. Deut. Dendrol. Ges. 45: 194-199. 1933.



Mitt. Deut. Dendrol. Ges. (cont.)

Kuster, E.

Beiträge zur kenntnis der panaschierten gehölze. XXXVII-XXXI. Mitt. Deut. Dendrol. Ges. 45: 286-293. illus. 1933.

XXXVII. Periodische progression und regression der panaschierung. XXXVIII. Anthozyanbildung an panaschierten pflanzen. XXXIX. Epinastie an den blättern panaschierter pflanzen. XXXX. Panaschierung an gefiederten blättern von Aralia. XXXXI. Wechseldarstellungen der panaschierungsbilder an den zweigen eines exemplars.

Laubert, R.

Beobachtungen und fragen über die biologie des mahonienrostes. Mitt. Deut. Dendrol. Ges. 45: 273-275. illus. 1933.

Liese, J.

Weiters mitteilungen über die Doulasiennadel-schütte. Mitt. Deut. Dendrol. Ges. 45: 268-270. 1933.

Marzell, H.

Die deutschen bäume in der volkskunde. 11. Die rotbuche, *Fagus silvatica*. Mitt. Deut. Dendrol. Ges. 45: 144-154. 1933.

Pfützenreiter,

*Tilia platyphylia*. var. *cucullifolia* Pfützenreiter nov. var. Eine neue varietät der sommerlinde. Mitt. Deut. Dendrol. Ges. 45: 390. pl. 51. 1933.

Richli, E.

Die strauchartigen *Veronica* Neuseelands. Mitt. Deut. Dendrol. Ges. 45: 88-90. pl. 3. 1933.

Richter, H.

Krebs und rindenbrand der pappel. Mitt. Deut. Dendrol. Ges. 45: 262-267. pl. 21-22. 1933.

Sprenger, C.

Gehölze mit nutzfrüchten in Griechenland. I. Mitt. Deut. Dendrol. Ges. 45: 158-168. 1933.

Stapp, C.

Vom "ulmensterben". Mitt. Deut. Dendrol. Ges. 45: 276-282. 1933.



Mitt. Deut. Dendrol. Ges. (cont.)

Uphof, J. C. Th.

Die nordamerikanischen arten der gattung  
Asimina. Mitt. Deut. Dendrol. Ges. 45: 61-76.  
illus., pl.1-2. 1933.

Voigt, G.

Ueber die suberoza-varietäten der gehölze und  
verwandte erscheinungen. Mitt. Deut. Dendrol.  
Ges. 45: 221-238. pl.15-16. 1933.

Eine anregung zu winterlichen beobachtungen.

Wagner, J.

Die linden des historischen Ungarns. II.  
Mitt. Deut. Dendrol. Ges. 45: 5-60. illus.  
1933.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)

Bremer, H.

Zum stand der frage: krankheitswiderstandsfähige  
sorten im gemüsebau. Mitt. Deut. Landw. Ges.  
49: 112. F.3, 1934. no.5.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Rauhut, G.

Alpenpflanzen und felsen-anlagen. I.  
Möller's Deut. Gärtn.-Zeit. 49: 31. Ja.31,  
1934. no.3.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Hilgendorff, G.

Ueber Pyrethrum und pyrethrinhaltige mittel.  
Nachrichtenbl. Deut. Pflanzenschutzd. 14: 11-13.  
illus. F. 1934. no.2.

Klemm, M.

Ernteschäden durch schwarzkrost in Deutschland  
im jahre 1932. Nachrichtenbl. Deut. Pflanzen-  
schutzd. 14: 9-11. F.1934. no.2.

Laubert, R.

Eine rätselhafte erscheinung an apfeln.  
Nachrichtenbl. Deut. Pflanzenschutzd. 14: 16.  
illus. F.1934. no.2.



Nat.Hort.Mag. (Washington, D.C.) (81N219)

Croizat, L.

Three new Euphorbiae from Madagascar.

Nat. Hort. Mag. 13: 96-99. illus. Ja.1934. no.1.

Euphorbia bevilaniensis, E. decariana, E. suareziana.

Essig, E. O.

Fuchsias. Nat. Hort. Mag. 13: 1-59.

illus. Ja.1934. no.1.

Henry, M. G.

Collecting plants beyond the frontier in northern British Columbia. Nat. Hort. Mag. 13: 60-75. illus. Ja.1934. no.1.

Senior, R.

Botanizing in New Mexico. Nat. Hort. Mag. 13: 100-102. illus. Ja. 1934. no.1.

Spingarn, J. E.

American Clematis for American gardens.

Nat. Hort. Mag. 13: 76-95. illus. Ja.1934. no.1.

Naturaliste Canad. (Quebec) (410N216)

Prat, H.

Les mycorhizes de l'if du Canada (Taxus canadensis Marsh) Naturaliste Canad. 61: 57-56. illus. F.1934. no.2.

Rousseau, J.

Essai de bibliographie botanique canadienne. Naturaliste Canad. 61: 57-62. F.1934. no.2.

Nature (London) (472N21)

Caldwell, J.

Possible chemical nature of tobacco mosaic virus. Nature 133: 177. F.3,1934. no.3353.

Chowdhury, K. A.

The so-called terminal parenchyma cells in the wood of Terminalia tomentosa, W. and A. Nature 133: 215. F.10, 1934. no.3354.

Nature Mag. (Washington) (409.6N214)

Woodward, C. H.

Animal into plant. Nature Mag. 23: 115-117. illus. Mr.1934. no.3.



North West. Nat. (Arbroath, Scotland) (41ON81)

Murray, J.

Cumberland mosses. (cont.) North West. Nat.  
8: 331. D.1933. no.4.

Robert Fisher. North West. Nat. 8: 334-336.  
pl.28(port.) D.1933. no.4.

Died May 11th, 1933.

Williams, E. G.

Notes on the plankton of small pieces of water.  
North West. Nat. 8: 293-301. illus. D. 1933. no.4.

L'ortofrutticoltura Italiana (80 Or32)

Bonfiglioli, O.

Della lotta contro la ticchiolatura del pero.  
L'ortofrutticoltura Italiana 3: 6-7. Ja.1934. no.1.

Parks & Recreation (Rockford, Ill.) (98.3P23)

Walther, E.

Golden Gate Park and its plants. Parks &  
Recreation 17:153-159. illus. Ja.1934. no.5.

Pflanzenbau (Berlin) (18P48)

Constantinescu, E.

Winterfestigkeitsbestimmungen an rumänischen  
winterweizen. Pflanzenbau 10: 224-228. D. 1933.  
no.6.

Wolff, F.

Eine laboratoriumsmethode zur schnellen prüfung  
von saatgutbeizmitteln (bes.zur Fusariumbekämp-  
fung). Pflanzenbau 10: 228-233. illus. D.1933.  
no.6.

Philipp. Agr. (Los Baños) (25P542)

Ocfemia, G. O. & Buhay, G. G.

Bunchy-top of abacá, or Manila hemp. II.  
Further studies on the transmission of the disease  
and a trial planting of abacá seedlings in a  
bunchy-top devastated field. Philipp. Agr. 22:  
567-581. illus. Ja. 1934. no.8.

Phytopath. (464.8P56)

MacDaniels, L. H. & Burrell, A. B.

The effect of sulphur fungicides, applied  
during the bloom, on the set of apple fruits.  
Phytopath. 24: 144-150. F. 1934. no.2.

Pierce, W. H.

Viroses of the bean. Phytopath. 24: 87-115.  
illus. F.1934. no.2.



Phytopath. (cont.)

Schultz, E. S., Clark, C. F., Bonde, R., Raleigh, W. P.  
& Stevenson, F. J.

Resistance of potato to mosaic and other virus  
diseases. Phytopath. 24: 116-132. F.1934.  
no.2.

Smith, G. M. & Trost, J. F.

Diplodia ear rot in inbred and hybrid strains  
of sweet corn. Phytopath. 24: 151-157. Illus.  
F. 1934. no.2.

Sprague, R.

A physiologic form of *Septoria tritici* on oats.  
Phytopath. 24: 133-143. illus. F.1934. no.2.

Sprague, R.

The relative importance of *Cercospora*  
*herpotrichoides* and of *Leptosphaeria herpotrich-*  
*oides* as parasites of winter cereals. Phytopath.  
24: 167-168. F.1934. no.2.

Stanton, T.R., Murphy, H.C., Coffman, F.A. & Humphrey, H.B.

Development of oats resistant to smuts and  
rusts. Phytopath. 24: 165-167. F.1934. no.2.

Steiner, G. & Buhner, E. M.

Disease symptoms produced by *Anguillulina*  
*pratensis* in yams. Phytopath. 24: 164-165.  
illus. F. 1934. no.2.

Steiner, G., Buhner, E. M. & Rhoads, A. S.

Giant galls caused by the root-knot nematode.  
Phytopath. 25: 161-163. illus. F.1934. no.2.  
On *Thunbergia*, *Rheum rhaponticum*, *Begonia*.

Steiner, G. & Buhner, E. M.

*Paraphelenchus maupasi* attacks hyacinth bulbs.  
Phytopath. 24: 163-164. illus. F.1934. no.2.

Walker, J. C.

Production of cabbage seed free from *Phoma*  
*lingam* and *Bacterium campestris*. Phytopath.  
24: 158-160. F.1934. no.2.

Proc. Nat. Acad. Sci. (500N21P)

Jones, D. F.

Unisexual maize plants and their relation to  
dioecism in other organisms. Proc. Nat. Acad.  
Sci. 20: 39-41. Ja. 1934. no.1.



Proc. Roy. Soc. Victoria (Melbourne) (514M482)

Nichols, W. H.

Three species of the genus *Prasophyllum* R.Br.

Proc. Roy. Soc. Victoria 46: 28-35. illus.

D.22, 1933. no.1.

*P. fuscum*, *P. alpinus* and a new species, *P. pallidum*.

Patton, R. T.

Ecological studies in Victoria. pt.II. The fern gully. Proc. Roy. Soc. Victoria 46: 117-129.

D.22, 1933. no.1.

Protoplasma (Leipzig) (442.8p94)

Brauner, L. & Amlong, H.U.

Zur theorie des geoelektrischen effekts.

Protoplasma 20: 279-292. illus. N. 1933. no.2.

Huber, V. & Schmidt, H.

Plasmolyse und permeabilität. Protoplasma 20: 203-208. N.1933. no.2.

Experiments with *Rhoeo* and *Gentiana*. Vorläufige mitteilung.

Lepeschkin, W. W.

Nekrobiotische strahlen. I. Protoplasma

20: 232-250. N. 1933. no.2.

Pekarek, J.

Absolute viskositätsmessungen mit hilfe der Brownschen molekularbewegung. VI. Der einfluss der temperatur auf die zellsaftviskosität. Protoplasma 20: 251-278. illus. N.1933. no.2.

Zirkle, C.

Aldehydes as cytological fixatives. Protoplasma

20: 169-179. pl.iii-iv. N.1933. no.2.

Rev. Bot. Appl. (Paris) (26R323)

Chevalier, A.

Monographie de l'arachide. I. Rev. Bot. Appl.

13: 689-789. pl.xi-xvii. O./N.1933. no.146/147.

Taschdjian, E.

Note sur les dattiers de la Côte Française des Somalis. Rev. Bot. Appl. 13: 798-801.

O./N. 1933. no.146/147.



- Rev. Agr. Ile Maurice (Maurice)  
Koenig, M.  
Recensement des variétés de cannes cultivées  
à Maurice en 1933. Rev. Agr. Ile Maurice  
1933: 191-197. N./D. 1933. no.72.
- Rev. de Agr. (Piracicaba) (9.2R324)  
Krug, C. A.  
Methodos de melhoramento e conhecimentos  
actuaes da genetica do milho. IV. Resumo sobre  
os conhecimentos actuaes da genetica e da cytologia  
do milho e a importancia dos resultados de alguns  
destes estudos para o seu melhoramento. Rev. de  
Agr. (Piracicaba) 8: 479-495. N./D. 1933. no.11/12.
- Rev. Gén. Bot. (Paris) (450R326)  
Beauverie, J.  
Le vie d'animaux assurée pendant plusieurs années  
dans des vases de verre hermétiquement clos en  
présence de plantes vertes. Rev. Gén. Bot.  
46: 45-49. Ja.1934. no.541.
- Cozic, Mlle.  
Etude biochimique de *Bacterium xylinum*.  
Rev. Gén. Bot. 46: 1-32. Ja.1934. no.541.
- Guilliermond, A.  
Recherches cytologiques sur les pigments antho-  
cyaniques et les composés oxyflavoniques. (cont.)  
Rev. Gén. Bot. 46: 50-62. Ja. 1934. no.541.
- Reed, H. S. & Dufrénoy, J.  
Effects de l'affection dite "mottle leaf" sur  
la structure cellulaire des citruses. Rev. Gén.  
Bot. 46: 33-44. illus. Ja.1934. no.541.
- Rev. Soc. Rur. Brasil. (Sao Paulo) (9.2B733)  
Vizioli, J.  
Um mal biologico do algodoeiro. Rev Soc.  
Rur. Brasil. 14: 34-36. illus. Ja.1934. no.161.  
A antrocnose, sua introduçao em São Paulo,  
symptomas da molestia e meios de comatel-a,...
- Riv. Agr. (Roma)  
Cavazza, L.  
Esperienze viticole con un nuovo anticritto-  
gamico magnesiaco. Riv. Agr. 39: 53-55.  
Ja.28, 1934. no.4.



Soil Sci. (Baltimore) (56.8So3)

Sideris, C. P. & Krauss, B. H.

The effect of sulfur and phosphorus on the availability of iron to pineapple and maize plants. Soil Sci. 37: 85-97. F.1934. no.2.

Willis, L. G. & Piland, J. R.

The influence of copper sulfate on iron absorption by corn plants. Soil Sci. 37:79-82. pl. F.1934. no.2.

Sveden. Zemled. (Renseign. Agr.) Sofia (21B87)

Kovachev, I.G.

Lenovata kuskuta (*Cuscuta epilinum* Weihe) i mičr-  
kittie za borba s neia. Sveden. Zemled. (Renseign.  
Agr.) Sofia 13(11/12): 61-80. illus. 1932. no.11/12.  
Bulgarian.

Pavlov, K.

Edin estestven bastard Tr. vulgare x *S. cereale*.  
(Ein natürliche bastard Tr. vulgare x *S. cereale*).  
Sveden. Zemled. (Renseign. Agr.) Sofia 13(11/12):  
81-87. illus. 1932. no.11/12.  
Bulgarian with German summary.

Svenska Skogsvårdsfören. Tidskr. (Journ. Swedish For. Soc.)  
(99.8Sh5)

Lagerberg, T.

*Phomopsis pseudotsugae* Wilson, en i Sverige  
obeaktad barrträdsparasit. (*Phomopsis pseudotsugae*  
Wilson, a parasite on conifers unregarded in Sweden)  
Svenska Skogsvårdsfören. Tidskr. (Journ. Swedish  
For. Soc.) 32: 71-86. illus. 1934. no.1/2.  
English summary: p.85-86.

Langlet, O.

Om variationen hos tallen (*Pinus silvestris* L.)  
och dess samband med klimatet. (Ueber die variation  
der kiefer (*Pinus silvestris* L.) und deren zusammen-  
hang mit dem klima). Svenska Skogsvårdsfören.  
Tidskr. (Journ. Swedish For. Soc.) 32: 87-110.  
illus. 1934. no.1/2.  
German summary: p.105-110.

Malmström, C.

Almen på sin nordligaste fyndort i Sverige,  
skikkisjöberget i Åsele Lappmark. (Die ulme auf  
ihrem nördlichsten standort in Schweden, dem  
skikkisjöberg in Åsele Lappmark). Svenska  
Skogsvårdsfören Tidskr. (Journ. Swedish For. Soc.)  
32: 111-130. illus. 1934. no.1/2.  
German summary: p.128-130.



Svenska Skogsvårdsfören. Tidskr. (Journ. Swedish For. Soc.) (cont.)  
Melin, E.

Activities of some fungi in the different horizons of forest duff, as measured by CO<sub>2</sub>-evolution. Svenska Skogsvårdsfören. Tidskr. (Journ. Swedish For. Soc.) 32: 147-156. 1934. no.1/2.

Tirén, L.

Några iakttagelser över den naturliga förnyringens uppkomst på Kulbäckslidens försökspark. (Einige beobachtungen über die entstehung der natürlichen verjüngung im den versuchswald Zulbäcksliden). Svenska Skogsvårdsfören. Tidskr. (Journ. Swedish For. Soc.) 32: 251-274. illus. 1934. no.1/2.  
German summary: p.273-274.

Tectona (Buitenzorg) (99.8B65)

Schmitemaker, J. P.

Het garoehout van West Borneo (Das "garoe"-holz von West-Borneo) Tectona 26: 851-892. illus., 2 pl. N./D.1933.  
German summary: p.889-890.

La Terre Maroc. (Rabat) (24T44)

Miège, E.

Les plantes fourragères du Maroc. (cont.)  
La Terre Maroc 4(48): 14-29. illus. Ja.15, 1934;  
4(49): 11-19. illus. F.1,1934.

Thar. Forstl. Jahrb. (Berlin) (99.8T32)

Prell, H.

Die rechtliche stellung der pflanzenhygiene.  
III. Das geheimmittelwesen auf dem gebiete der pflanzenhygiene. Thar. Forstl. Jahrb.  
85: 1-22. 1934. no.1.

Trop. Agr. (26T751)

Jepson, F. T.

The water hyacinth problem in Ceylon. Trop. Agr. 81: 339-355. D. 1933. no.6.

Trop. Natuur (410.9T75)

Coomans de Ruiter, L.

Nieuwe vindolaatsen van Rafflesia tuan-mudae Becc. in de westerafdeeling van Borneo. I.  
Trop. Natuur. 22: 165-174, 188-196. illus. S.), 1933. no.9,10.



Trop. Natuur (cont.)

Docters van Loeuven, W.M.

Over de bestuiving van *Sida rhombifolia* L.

Trop. Natuur 22: 150-154. illus. Ag.1933. no.8.

Frey-Wyssling, A.

Over de flora van den Piek van Kerintji  
(3800 m). Trop. Natuur 22: 1-10. illus.  
Ja. 1933. no.1.

Pijl, L. van der

De kalkflora von Padalarang. Trop. Natuur  
22: 36-95. illus. My.1933. no.5.  
West of Bandoeng.

Pijl, L. van der

Welriekende vliegenbloemen bij *Alocasia tubera*.  
Trop. Natuur 22: 210-214. illus. N.1933. no.11.

Polak, B.

Een tocht in het zandsteen gebied bij Mandor  
(West Borneo) Trop. Natuur 22: 23-28. illus.  
F. 1933. no.2.

Posthumus, O.

Twee wereldburgers. Trop. Natuur 22: 201-  
204. illus. N.1933. no.11.  
*Anogramma leptophylla*, *Asplenium trichomanes*.

Steenis, C.G.G.J. van

Determinatietabel voor de indische zeegrassen.  
Trop. Natuur 22: 43-46. illus. Mr.1933. no.3.

Steenis, C.G.G.J. van

Het geslacht *Henslowia* op Java. Trop. Natuur  
22: 97-99. illus. Je.1933. no. 6.

Steenis, C.G.G.J. van

Een klimmende vorm van *Euonymus japonicus*  
Thunb. Trop. Natuur 22: 175-176. illus.  
S.1933. no.9.

Steenis, C.G.G.J. van

Een nieuwe javasche heliotroop. Trop. Natuur  
22: 15-16. illus. Ja.1933. no.1.  
*H.indicum*.

Steup, F.K.M.

Botanische aantekeningen over noord Celebes.  
Trop. Natuur 22: 109-111. Je. 1933. no.6.



Trop. Natuur (cont.)

Troll, W.

Over de adenwortels der mangrove-planten.

Trop. Natuur 22: 33-39. illus. Mr.1933.  
no.3.

Voogd, C.N. A.de

Botanische aantekeningen unit de residentie  
Benkoelen. 1-2. Trop. Natuur 21: 218-222.  
illus. D.1933; 22:224-229. illus. D.1933.  
no.12,13.

Die Umschau (Frankfurt) (474Um7)

Knoche, W.

Der südlichste palmenwald des amerikanischen  
kontinents. Die Umschau 38: 110-111. illus.  
F.4, 1934. no.6.

U.S. Dept. Agr. miscellaneous mimeographed publications.  
Gould, H.P.

Oriental persimmons. Washington, D. C.  
D.1933.

Mimeographed publ. from Div. of fruit and vege-  
table crops and diseases, Bur. of plant industry.  
U.S. Dept. Agriculture.

Zeitschr. Immunitätsforsch. (Jena)

Berger, F.

Die phänologischen verhältnisse Wiens als  
grundlage der behandlung der pollenallergie.

Zeitschr. Immunitätsforsch. 78: 284-295. 1933.  
no.3/4.

Zeitschr. Pflanzenernähr. Düng.u. Bodenk. B, Wirtsch-  
Prakt. Teil (384Z343B)

Lemmermann, O. & Behrens, W. U.

Ueber den einfluss von wuchsstoffen (hormonen)  
auf den pflanzenwuchs. Zeitschr. Pflanzenernähr.  
Düng. u. Bodenk.B, Wirtsch.-Prakt. Teil 13: 9-12.  
Ja. 1934. no.1.

Zeitschr. Zuckerind. Cechoslovak.Rep. (53.3Z3)

Neuwirth, F.

Oekologie der aufgehenden rübe mit berück-  
sichtigung ihrer krankheiten. Die fakultativen  
parasiten, ihr gegenseitiges verhältnis und ihre  
beziehung zur wirtspflanze. II. Zeitschr,  
Zuckerind. Cechoslovak. Rep. 58: 153-160. Ja.19,  
1934. no.21.



Zentralbl. Bakt. Abt.II. (Jena) (448.3033)  
Stapp, C.

Ueber die bakterielle ursache einer blatt-  
fleckenkrankheit und fruchtfäule der gurken in  
Deutschland. Zentralbl. Bakt. Abt.II. 89:  
377-386. illus. Ja.30, 1934. no.17/20.  
*Pseudomonas lachrymans.*

Exp. Stat. Publ.

Cornell agricultural experiment station.

Plant pathology. In its Ann. Rep. 46(1933):  
120-129. 1934. (100N48C)

Hopkins, E. F.

Manganese an essential element for green plants.  
Cornell Agr. Exp. Stat. Mem. 151. 40 p. v pl.  
Ja.1934(100N48C)

Gray, G. F.

Relation of light intensity to fruit setting  
in the sour cherry. Michigan Agr. Exp. Stat.  
Techn. Bull. 136. 35 p. illus. Ja.1934.  
(100M58S)

Wheeler, E. J. & Moore, H. C.

Potato seed treatment tests. Michigan Agr.  
Exp. Stat. Spec. Bull. 246. 19 p. illus. D.  
1933 (100M58S)

Coe, F. M.

Cherry pollination studies in Utah. Utah Agr.  
Exp. Stat. Bull. 245. 53 p. illus. Ja.1933.  
(100Utl)

Huber, G. A. & Jones, L. K.

The Verticillium disease of chrysanthemums.  
Washington Agr. Exp. Stat. Bull. 290. 14 p. v pl.  
Ja.1934 (100W27E)

#### New Books.

Garner, W. W.

Bibliografía selecta sobre el tabaco, por W.W.  
Garner. Washington, D.C., Union panamericana,  
1933 (241G13)

Lecomte, H.

Flore générale de l'Indo-chine v.6, fasc.4, Or-  
chidacées(suite) par F.Gagnepain & A. Guillaumin  
Paris, O. 1933 (460.13L99)



New Books (cont.)

Lüstner, G.

Krankheiten und feinde der zierpflanzen im garten, park und gewachshaus. Stuttgart, E. Ulmer, 1933 (464.08L97)

Meyer, H.

Buch der holznamen... II (Cé - Ise bubaki) Hannover, M. & H. Schaper, 1933 (452.14M57)

Reprints from publications not yet rec'd or not available.

Papadakis, I. S.

Cold as a positive factor of wheat yield.

Reprinted from Acta Phaenologica b.2, p.65-80. 1933 (59.26P19)

Correction.

V.15, no.21, p.7.

Yamura, A. should be Yamaura, A. as author of last article on page.

Non-current indexing.

Biull. Moskovsk. Obshch. Ispyt. Prirody (Bull. Soc. Nat. Moscou) (511M85)

Grosset, G.

Geobotanicheskkii ocherk severo-vostochnoi chasti b. Ul'ianovskoi gub. (Esquisse géobotanique de la partie nord-est de l'ancien gouvernement d'Uljanovsk) Biull. Moskovsk. Obshch. Ispyt. Prirody (Bull. Soc. Nat. Moscou) 41: 125-183. illus. (map) 1932. no.1/2.

Russian with French summary. Government of Simbirsk.

Kozlovnikov, A. V.

Stepnye elementy i dubravy v raione reki Bezputy (Ivanovskii p Kashirskii raiony Moskovskoi oblasti) (Steppenelemente und eichenwälder in der umgegend des flusses Besputa (Kaschira-kreis, Moskauer government). (Biull. Moskovsk. Obshch. Ispyt. Prirody (Bull. Soc. Nat. Moscou) 41: 320-350. illus. 1932. no.3/4.

Russian with German summary.

Nauchno-Issl. Inst. ūzhn. Plod. i ūagodn. Khoz. Kiev. [Publ.]

Khomentovsky, Iu. I.

Materialy po vskhozhesti semian, poluchennykh v rezul'tate gibridizatsionnoi raboty s iabloniani v 1925-1929 g.g. (Contributions to the germinating ability of seeds as resulting from hybridization work on apple trees in 1925-1929). Nauchno-Issl. Inst. ūzhn. Plod. i ūagodn. Khoz. Kiev. [Publ.] no.16 66 p. 1932.

Russian with English summary.



# BOTANY

## CURRENT LITERATURE

LIBRARY  
RECEIVED  
★ MAR 20 1934 ★

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY, U. S. Department of Agriculture  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 5.

Feb. 26-Mar. 10, 1934.

Acta Soc. Bot. Polon. (Warsaw) (451Sol6)

Dziubałtowski, S. & Kobendza, R.

Etudes phytosociologiques du massif du S-te  
Croix. II. Les associations végétales de la chaîne  
de Klonów et de la vallée de Wilków. Acta Soc.  
Bot. Polon. 10: 129-177. pl. iv-ix. 1933. no. 2.  
Polish with French summary.

Kobendza, R.

Kilka uwag o roślinności płaskowzgórza  
Pelczańskiego na Wołyniu. (Einige bemerkungen  
uber die flora des plateaus von Pełcza in Wołhynien).  
Acta Soc. Bot. Polon. 10: 291-295. 1933. no. 2.

Krawiec, F.

Materiały do flory porostów Pomorza. (Beitrage  
zur kenntnis der flechten pomerellens). Acta Soc.  
Bot. Polon. 10: 25-27. 1933. no. 1.  
German summary: p. 47.

Miczyński, K.

Studja genetyczne nad ordzajem Aegilops. III  
Dalsze doswiadczenia z Aegilops speltoides Jaub.  
et Spach. (Genetic studies in the genus Aegilops.  
III. Further investigations on Aegilops speltoides  
Jaub. et Spach.) Acta Soc. Bot. Polon. 10: 311-  
325. illus. 1933.  
English summary: --322-325.

Pryhrotskyj, M.

Dwie nowe rośliny w polsce. (Zwei neue pflanzen-  
arten in Polen). Acta Soc. Bot. Polon. 10: 307-  
309. 1933. no. 2.  
Brief German summary: p. 309.  
Erechthites hieraciifolius, Androsace maxima.

Skupieński, F. X.

Influence du milieu de culture sur le développe-  
ment des myxomycètes. Acta Soc. Bot. Polon.  
10: 113-127. pl. iii. 1933. no. 1.



Acta Soc. Bot. Polon. (cont.)

Szymkiewicz, D.

Études climatologiques. XXI-XXII. Acta Soc. Bot. Polon. 8: 191-196. 1931. no.3/4.

XXI. Sur le bilan d'énergie chez les végétaux des montagnes. XXII. Comment caractériser le régime des vents?

Telezynski, H.

Cycle évolutif du chromosome somatique. II. Observations sur le matériel fixé (racines d'*Haemanthus katharinae* Back.) Acta Soc. Bot. Polon. 8: 109-132. illus., pl.v-viii. 1931. no3/4.

Wałek-Czernecka, A.

Grzyby niszczące podkłady kolejowe w Polsce. (Sur les champignons destructeurs des traverses de chemins de fer en Pologne). Acta Soc. Bot. Polon. 10: 179-290. illus., pl.x-xvii. 1933. no.2. French résumé: p.279-290.

Wóycicki, S.

Badania orjentacyjne nad zawartością cukrów i kwasów w owocach pospoliciej uprawianych odmian jabłoni. (Orientierende untersuchungen uber den gehalt an zucker und säure in den fruchten der bakanntesten apfelsorten). Acta Soc.Bot.Polon. 10: 327-330. 1933. no.2. German summary: p.330.

Wóycicki, Z.

Nieco szczegółów z zakresu rozwoju pylników i pyłku u niektórych przedstawicieli rodzaju *Gentiana*. (Quelques détails du développement des antheres et du II. *Gentiana fetisowi*. Rgl. et Winkler). Acta Soc. Bot. Polon. 10: 1-24. illus. 1933. no.1. French Résumé: p.22-24.

Ziobrowski, S.

Wpływ cieżkiej zimy 1928-29. na roślinność drzewiasta w dolinie rzeki Raby. (Ueber den einfluss des hartens winters 1928/29 auf die holzgewachse im Rabaflusstale). Acta Soc. Bot. Polon. 10: 49-111. illus. 1933. no.1.

German summary: p.91-111.



Agr. Ferrarese (16Ag87)

Minerbi, G:

I danni del gelo verificati nei seminati a frumento nell'anno agrario 1932-33. Agr. Ferrarese 39: 51-60. illus. F.15, 1934. no.3.

Agron. Colon. (Paris) (26Ag812)

Bouriquet, G.

Les maladies du caféier á Madagascar. Agron. Colon. 23: 1-10. pl. i.ii. Ja.1934. no.193  
Hemileia vastatrix.

Amer. Journ. Bot. (450Am36)

Hitchcock, Albert S.

New species, and changes in nomenclature, of grasses of the United States. Amer. Journ. Bot. 21: 127-139. illus. Mr.1934. no.3.

La Rue, C. D.

Root grafting in trees. Amer. Journ. Bot. 21: 121-126. illus. Mr.1934. no.3.

Martin, J. N.

The relative growth rates and interdependence of tops and roots of the biennial white sweet clover, *Melilotus alba* Desr. Amer. Journ. Bot. 21: 140-159. Mr.1934. no.3.

Ocfemia, G. O.

An insect vector of the Fiji disease of sugar cane. Amer. Journ. Bot. 21: 113-120. illus., pl.i. Mr.1934. no.3.

Leaf-hopper, *Perkinsiella vastatrix*.

Amer. Potato Journ. (75.8P842)

Knoblauch, H. C. & Odland, T. E.

The response of potatoes to magnesium under various soil conditions. Amer. Potato Journ. 11: 35-40. F. 1934. no.2.

Taylor, C. F.

Field experiments on potato-scab control in western New York. Amer. Potato Journ. 11: 40-45. F. 1934. no.2.

Amer. Rose Mag. (80Am327A)

Keays, F. L. Mrs.

Identifying old-fashioned roses. Amer. Rose Mag. 1(2): 7-10. illus. My./Je. 1933.



Ann. Agron. (Paris) (14An75A)

Duffrenoy, J.

Les constituants cytoplasmiques des citrus caremés. Ann. Agron. (Paris) n.s. 4:85-92. illus. Ja./F.1934. no.1.

Fron, G. & Bertrand, R.

Contribution à l'étude de l'influence des chlorates sur la végétation. Ann. Agron. (Paris) n.s. 4: 1-25. illus. Ja./F. 1934. no.1.

Ann. Mycol. (Berlin) (450An76)

Blochwitz, A.

Die gattung *Aspergillus*. III. Neue spezies, varianten und mutanten der konidienfarbe, synonyme und interessante standorte. Ann. Mycol. 32: 83-89. 1934. no.1/2.

Bose, S. R.

A short note on the presence of clamps in the sporophore of *Ganoderma lucidum* (Leyss.) Fries growing in nature. Ann. Mycol. 32: 118. 1934. no.1/2.

Chaudhuri, H. & Sachar, G. S.

A study of the fungus flora of the Punjab soils. Ann. Mycol. 32: 90-100. 1934. no.1/2.

Grove, W. B.

"*Spegazzinia ammophila* Rostr." Ann. Mycol. 32:109. 1934. no.1/2.

Recorded in his "New or noteworthy fungi" Journ. Bot. 1922. Unfinished growth-state of *Sporodesmium myrianum* Desm.

Kušan, F.

Zu Gyelniks neuen flechtenformen aus Jugoslavien. Ann. Mycol. 32: 57-56. 1934. no.1/2.

Litschauer, V.

Ueber zwei neue *Corticium*-arten aus Tirol. Ann. Mycol. 32: 52-56. illus. 1934. m.1/2.

*C. sulphureo-marginatum*, *G. asseriphilum*.

Luz, C.

Beitrag zur zitronensaurebildung durch *Aspergillus niger*. Ann. Mycol. 32: 67-82. 1934. no.1/2.



V.16, no.5, p.5.

Ann. Mycol. (cont.)

Petrak, F. & Sydow, H.

Kritisch-systematisch originaluntersuchungen  
über pyrenomyzeten, sphaeropsideen und melanconieen.  
V. Ann. Mycol. 32: 1-35. 1934. no.1/2.

Sartory, A., Sartory, R. & Meyer, J.

Etude d'un nouveau Monosporium: Monosporium  
rubrum n.sp. Ann. Mycol. 32: 105-108. illus.  
1934. no.1/2.

Săvulescu, T. & Rayss, T.

Troisième contribution a la connaissance des  
péronosporacées de Roumanie. Ann. Mycol. 32:  
36-51. illus. 1934. no.1/2.

Sydow, H.

Cronartium ribicola: zur autorfrage des pilzes  
Ann. Mycol. 32: 115-117. 1934. no.1/2.

Toro, R. A. & Chardon, C. E.

Ueber einige neue oder interessante pilze  
des nordöstlichen Kolumbien. Ann. Mycol. 32:  
110-114. 1934. no.1/2.

Zinderen-Bakker, E. M.

Stephanoma tetracoccum spec. nov. Ann. Mycol.  
32: 101-104. illus. 1934. no.1/2.

Ann. Appl. Biol. (London) (442.8An72)

Deaumont, A.

On the relation between the stage of develop-  
ment of the potato crop and the incidence of blight  
(Phytophthora infestans) Ann. Appl. Biol. 21:  
23-47. F.1934. no.1.

Campbell, A. H.

Zone lines in plant tissues. II. The black lines  
formed by Armillarie mellea (Vahl) Quel. Ann. Appl.  
Biol. 21: 1-22. illus. pl. i-iii. F.1934. no.1.

Cordingley, H., Grainger, J., Pearsall, W. H. & Wright, A.

The effect of mosaic disease upon certain meta-  
bolic products in the tobacco plant. Ann. Appl.  
Biol. 21: 78-89. F.1934. no.1.

Hughes, A. W. M.

Aphides as vectors of "breaking" in tulips.  
II. Ann. Appl. Biol. 21: 112-119. pl.v. F.1934.  
no.1.



Ann. Appl. Biol. (cont.)

Samuel, G.

The movement of tobacco mosaic virus within the plant. Ann. Appl. Biol. 21: 90-111. illus. pl.iv. F.1934. no.1.

Whitehead, T.

The physiology of potato leaf-roll. I. on the respiration of healthy and leaf-roll infected potatoes. Ann. Appl. Biol. 21: 48-77. illus. F. 1934. no.1.

Ann. Bot. (London) (450An7)

Alkins, W. E.

Variations in flowers of lesser celandine, *Ranunculus ficaria* L. Ann. Bot. 48: 311-314. Ja. 1934. no.189

Berkeley, C. J. A.

A simple staining method for elementary anatomical work. Ann. Bot. 48: 310-311. Ja. 1934. no.189.

Chowdhury, K. A.

An improved method of softening hard woody tissues in hydrofluoric acid under pressure. Ann. Bot. 48: 309-310. illus. Ja.1934. no.189.

Cockayne, L. & Allan, H. H.

An annotated list of groups of wild hybrids in the New Zealand flora. Ann. Bot. 48: 1-55. Jan.1934. no.189.

Colson, B.

The cytology and morphology of *Neurospora tetrasperma* Dodge. Ann. Bot. 48: 211-224. illus., pl.iv-v. Ja. 1934. no.189.

Cook, W. R. I.

Some observations on the genus *Cladochytrium* with special reference to *C. caespitis* Griffon and Maublanc. Ann. Bot. 48: 177-185. illus., pl.iii. Jan. 1934. no.189.

Doyle, J.

The columella in the cone of *Diselma*. Ann. Bot. 48: 307-3. illus. Ja. 1934. no.189.



Ann. Bot. (cont.)

Ernest, E. C. M.

Studies in the suction pressure of plant cells.

II. Ann. Bot. 48: 293-305. illus. Ja. 1934.  
no.189.

Findlay, W. P. K.

Studies in the physiology of wood-destroying fungi. I. The effect on nitrogen content upon the rate of decay of timber. Ann. Bot. 48: 109-117. Ja. 1934. no.189.

Gwynne-Vaughan, H. C. I. & Williamson, H. S.

The cytology and development of *Ascophanus aurora*. Ann. Bot. 48: 261-272. illus., pl.vi-vii. Ja. 1934. no. 189.

Lall, G.

Chemical studies in the physiology of apples. XIV. A method of estimating chemical change and rate of respiration in stored apples. Ann. Bot. 48: 273-292. illus. Ja. 1934. no. 189.

Mason, T. G. & Maskell, E. J.

Further studies on transport in the cotton plant. II. An ontogenetic study of concentrations and vertical gradients. Ann. Bot. 48: 119-141. Ja. 1934. no. 189.

Menon, K. P. V.

Studies in the physiology of parasitism. XIV. Comparison of enzymic extracts obtained from various parasitic fungi. Ann. Bot. 48: 187-210. Ja. 1934. no. 189.

Richards, F. J.

The salt marshes of the Dovey estuary. IV. The rates of vertical accretion, horizontal extension and scarp erosion. Ann. Bot. 48: 225-259. illus. (incl. maps) Ja. 1934. no. 189.

Sen, B.

The electric charge of the colloid particles of protoplasm. Ann. Bot. 48: 143-151. illus., pl. i. Ja. 1934. no. 189.



Ann. Bot. (cont.)

Seth, L. N.

Studies in the genera *Cytosporina*, *Phomopsis*, and *Diaporthe*. V. Analysis of certain chemical factors influencing fungal growth in the apple. Ann. Bot. 48: 69-107. Ja. 1934. no. 189.

Verbrugge, M.

Meiosis and catenation in certain crosses of *Cenothera rubricalyx*. Ann. Bot. 48: 153-175. illus., pl.ii. Ja. 1934. no. 189.

Warne, L. G. G.

The distribution of potassium in normal and scorched foliage. Ann. Bot. 48: 57-67. Ja.1934. no.189.

Arch. Protistenk. (Jena) (439.8Ar2)

Reynolds, B. D.

Studies on monad flagellates. I-II. Arch. Protistenk. 81: 399-411. illus.,pl.12. 1934. no.3.

I. Historical and taxonomic review of the genus *Monas*. II. Observations on *Monas vestita* (Stokes, 1885)

Arch. Rubbercult. Nederl.--Indie" (Wageningen) (78.8Ar2)

Ostendorf, F. W.

De groei van jonge *Hevea-oculaties*. (The growth of young *Hevea* buddings). Arch. Rubbercult. Nederl.--Indie 17; 120-212. Jl./S. 1933. no.7/9, English summary : p.205-210.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Arzt, T.

Untersuchungen über das vorkommen einer kutikula in den blättern dikotyler pflanzen. Ber. Deut. Bot. Ges. 51: 470-500. illus. Ja.25, 1934. no.10.

Keller, B.

Ueber den anatomischen bau durre- und hitzere-sistenter blätter. Ber. Deut. Bot. Ges. 51: 514-522. illus. Ja.25, 1934. no.10.

Küster, E.

Anisotrope plastiden. Ber. Deut. Bot. Ges. 51: 523-525. Ja.25, 1934. no.10.



Ber. Deut. Bot. Ges. (cont.)

Küster, E.

Ueber zellsart, protoplasma und membran von  
Bryopsis. (Beitrage zur pathologie des protoplasmas)  
Ber. Deut. Bot. Ges. 51: 526-536. illus. Ja.25,  
1934. no.10.

Leick, E.

Der tau als standortsfaktor. Ber. Deut.  
Bot. Ges. 51: 409-442. Ja.25, 1934. no.10.

Lepeschkin, W. W.

Zur analyse des turgordrucks. Ber. Deut. Bot.  
Ges. 51: 455-469. Ja.25, 1934. no.10.

Schmucker, T.

Wiederbesiedlung kahler flächen in geschlossenen  
beständen. Ber. Deut. Bot. Ges. 51: 452-454.  
Ja.25, 1934. no.10.

Schüpp, O.

Ueber spaltungsgesetze der blätter. Ber.  
Deut. Bot. Ges. 51: 443-451. illus. Ja.25, 1934.  
no.10.

Werth, E.

Zur kultur der dattelpalme und die frage ihrer  
herkunft. Ber. Deut. Bot. Ges. 51: 501-514.  
illus. Ja.25, 1934. no.10.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asehina, Y. & Fuzikawa, F.

Untersuchungen über flechtenstoffe. XXXIV-XXXV.  
Ber. Deut. Chem. Ges. 67: 163-168, 169-170. F.7,  
1934. no.2.

XXXIV. Ueber die konstitution der alectoron-  
und alpha-collatolsaure. XXXV. Ueber die identität der  
alpha-collatolsaure mit lecanorolsaure.

Zechmeister, L. & Tuzson, P.

Ueber den farbstoff der sonnenblume II. Ber.  
Deut. Chem. Ges. 67: 170-173. F.7, 1934. no.2.

Biochem. Journ. (London) (382B52)

Buston, H. W. & Kasinathan, S.

The accessory factor necessary for the growth  
of *Nematospora gossypii*. III. The preparation of  
concentrates of the second accessory factor.  
Biochem. Journ. 27:1859-1868. 1933 no.6.



Biochem Journ. (cont.)

Haas, P. & Hill, T. G.

The metabolism of calcareous algae. I-  
Biochem. Journ. 27: 1801-1804. 1933. no. 6.

James, W. O. & Cattle, M.

Studies of the physiological importance of the  
mineral elements in plants. VI. The influence of  
potassium chloride on the rate of diastatic hydroly-  
sis of starch. Biochem. Journ. 27: 1805-1809.  
1933. no. 6.

Raistrick, H. & Smith, G.

Studies in the biochemistry of micro-organisms.  
XXXV. The metabolic products of *Byssoschlamys*  
*fulva* Olliver and Smith. Biochem. Journ. 27: 1814-  
1819. 1933. no. 6.

Sansome, F. W. & Zilva, S. S.

Polyploidy and vitamin C. Biochem. Journ.  
27: 1935-1941. illus. 1933. no. 6.  
Experiments with tomato.

Biol. Gen. (Vienna) (442.8B525)

Himmelbaur, W. & Stibal, E.

Entwicklungsrichtungen in der blütenregion  
der gattung *Salvia* L. Eine phylogenetische studie. III.  
Biol. Gen. 10: 17-48. illus., pl. i-iii. 1934.  
no. 1.

Malhotra, R. C.

The effect of immersion in and desiccation of  
water on the germination of *Zea mays* seeds. Biol.  
Gen. 10: 157-166. 1934. no. 1.

Malhotra, R. C.

Effect of temperature on air dry *Zea mays* seeds.  
Biol. Gen. 10: 139-146. 1934. no. 1.

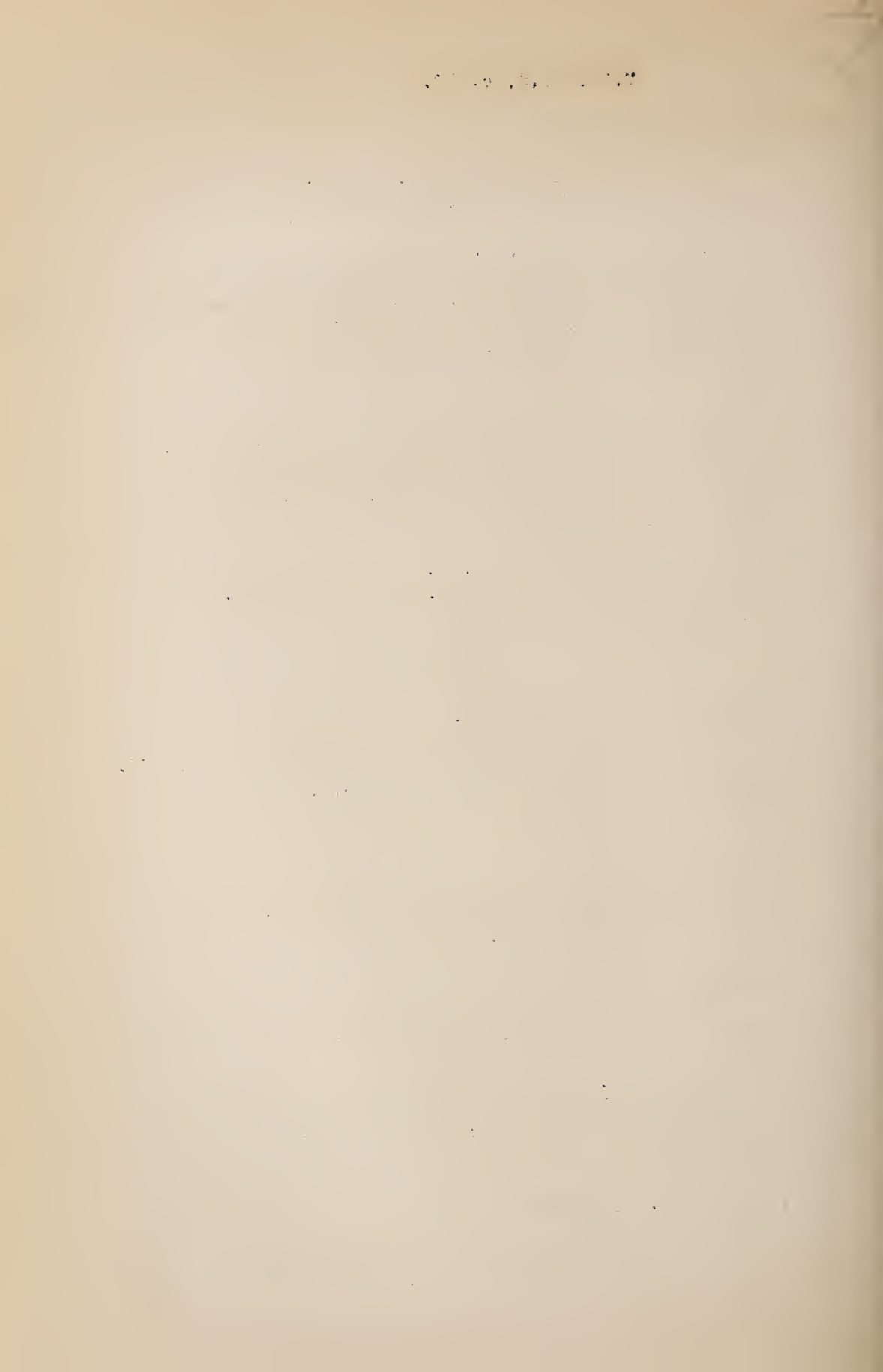
Malhotra, R. C.

Growth of *Zea mays* as influenced by the type  
of water. Biol. Gen. 10: 147-156. pl. v.  
1934. no. 1.

Biol. Zentralbl. (Leipzig) (422.8B523)

Küster, E.

Beiträge zur morphologie der panaschierten  
gewächse. Biol. Zentralbl. 54: 89-95. illus.  
1934. no. 1/2.



Bol. Soc. Españ. Hist. Nat. (Madrid) (506M263B)  
Ruiz, E. P.

Un Aspergillus nuevo. Bol. Soc. Españ.  
Hist. Nat. 33: 239-244. illus. 0.10, 1933.  
no.6/7.

A. caballeroi.

Unamuno, L. M.

Notas micológicas. VI. Algunas especies nuevas  
o poco conocidas de la micoflora española. Bol.  
Soc. Españ. Hist. Nat. 33: 221-235. illus.  
0.10, 1933. no.6/7.

Bot. Közlem. (Budapest) (450N85)

Pénzes, A.

Termés-ökológiai megfigyelések. (Ökologische  
beobachtungen). Bot.Közlem. 31: 28-35. illus.  
1934. no.1/2.

German summary: p.34-35.

I. Ökologie der Sternbergia-früchte. 2. Gelegent-  
liche myrmekochorie bei den gramineen. 3. Ueber die  
rolle der gramineen-granne.

Rapaics, R.

Régi magyar növénynevek egy latin füveskönyvben.  
(Alte ungarische pflanzennamen in einem lateinisch-  
en kräuterbuch). Bot. Közlem. 31: 1-13. 1934.  
no.1/2.

German summary: p.13.

Theodoricus Dorstenius' Botanicon... 1540.

Szilády, Z.

A Maros melléki diósvölgyek. (Die nussbauntäler  
der Marosgegend). Bot.Közlem. 31: 38-41. 1934.  
no.1/2.

German summary: p.40-41.

Trautmann, R.

A menták formagazdagságának eredete. (Ueber  
den ursprung des formenreichtums der minzen).  
Bot. Közlem. 31: 14-28. 1934. no.1/2.

German summary: p.21-28.

Zólyomi, B.

Dracocephalum austriacum L. a bélkon (adatok  
az űsmátra flórájához.) (Dracocephalum austriacum L.  
auf dem bélkö (Beiträge zur flora des ungarischen  
mittelgebirges). Bot. Közlem. 31: 35-37.  
1934. no.1/2.

Brief German summary: p.37.



OK

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O.

Notes on Philippine orchids. II: Bot. Mus.  
Leafl. Harvard Univ. 2: 39-40. F.20, 1934. no.3.  
*Dendrobium bullenianum*.

Smith, L. B. & Harris, S. K.

Three new Andean species of *Lepanthes*.  
Bot. Mus. Leafl. Harvard Univ. 2: 33-37. pl.  
F.20, 1934. no.3.

*L. pseudocaulescens*, *L. polygonoides*, *L.*  
*saccosepala*, n.spp.

Brooklyn Bot. Gard. Leafl. (451B79L)

Graves, A. H. & Gundersen, A.

The collection of living cycads at the  
Brooklyn botanic garden. Brooklyn Bot. Gard.  
Leafl. 22(1/2); 1-8. illus. F.28, 1934.

Broteria Cienc. Nat.(Lisboa) (410B79C)

Pau, C.

Sobre la *Ononis baetica* Clemente. Broteria  
Cienc. Nat. 3:25-27. F.1, 1934. no.1.

Rick, J.

*Monographia theleporacearum resupinatarum*  
*riograndensium*. Broteria Cienc. Nat. 3:31-48.  
F.1, 1934. no.1.

Torrend, C.

O babassú na Baía. Broteria Cienc. Nat. 3:  
28-30. F.1, 1934. no.1.

Bryologist (Pittsburg) (450B84)

Frye, T. C.

John W. Bailey. Bryologist 36: 82-83.  
N.1933 (Rec'd Mr.1934) no.6.

Nichols, G. E.

Notes on Michigan bryophytes. II. Bryologist  
36: 69-78. N.1935. no.6.

Studhalter, R. A.

*Riella americana*: Disappearance due to floods;  
two new stations. Bryologist 36: 78-82. N.1933.  
(Rec'd Mr.1934) no.6.

Little Aguja Creek & Cherry Creek, Davis  
Mountains, western Texas.



Bull. Inst. Roy. Colon. Belge (Bruxelles) (504B836)  
Wattiez, N.

Examen de quelques écorces de Cinchona de culture coloniale, en vue de la préparation du "totaquina". Bull. Inst. Roy. Colon. Belge 4: 852-857. 1933. no.3.

Note préliminaire.

Bull. Min. Agr. Gt. Brit. (10G794B)  
Buddin, W.

The canker and the dry rot diseases of Swedes. Bull. Min. Agr. Gt. Brit. 74. 47 p. 8 pl. Ja. 1934.

Bull. Misc. Inform. Kew (London) (89K51B)  
Boergesen, F.

Some Indian Rhodophyceae especially from the shores of the Presidency of Bombay. IV. Bull. Misc. Inform. Kew 1934; 1-30. illus., pl. i-iv. 1934. no.1.

Michelmore, A. P. G.

Botany of the Cambridge expedition to Edge Island, S.E. Spitsbergen, in 1927. I Bull. Misc. Inform. Kew 1934; 30-39. illus. (map) no.1.

Muir, J.

The distribution of *Ipomoea pes-caprae* and *Calystegia soldanella* in South Africa. Bull. Misc. Inform. Kew. 1934; 44-45. 1934. no.1.

Sprague, T. A.

*Penstemon*. Bull. Misc. Inform. Kew 1934: 43-44. 1934. no.1.

Generic name not validated by description supplied by Schmidel.

Sprague, T. A.

The type of *Ormocarpum kirkii*. Bull. Misc. Inform. Kew. 1934: 42-43. 1934. no.1.

Turrill, W. B.

The occurrence of *Fraxinus pallisae* in Western Thrace. Bull. Misc. Inform. Kew 1934: 44. 1934. no.1.



*O.K.*  
Bull. Soc. Chim. Biol. (Paris) (383Sol)

Colin, H. & Chaudun, A.

La "scilline" de *Scilla maritima* et le fructoside de *Scilla nutans*. Bull. Soc. Chim. Biol. 15: 1520-1526. D.1933. no.10.

Javillier, M. & Colin, Y.

Etudes sur le dosage des principes immédiats phosphorés des végétaux en vue de recherches de physiologie végétale. Bull. Soc. Chim. Biol. 15: 1552-1562. D.1933. no.10.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9Sol25)

Feldmann, J.

Contribution à la flore algologique marine de l'Algérie. 2. Bull. Soc. Hist. Nat. Afr. Nord 24: 360-366. D.1933. no.9.

Bull. Soc. Nat. Acclim. France. (Paris) (410.9P21)

Chouard, P.

La multiplication végétative et le bourgeonnement chez les plantes vasculaires. I-II.

Bull. Soc. Nat. Acclim. France 81: 15-28. illus. Ja.1934. no.1.

I. Définitions. II. Description et classement des principaux exemples de multiplication végétative.

Scay-Montbéliard,

Utilisation du *Rhamnus pauciflorus* en Ethiopie.

Bull. Soc. Nat. Acclim. France 80: 466-469. D.1933. no.12.

The "Guécho" from which natives make a kind of beer.

Bull. Torr. Club. (451T63B)

Rice, M. A.

The relation of *Uromyces caladii* and other rusts to their hosts. Bull. Torr. Club 61: 155-162. pl.6-8. Mr.1934. no.3.

Francis, D. S.

The effects of x-rays on growth and respiration of wheat seedlings. Bull. Torr. Club 61: 119-153. illus. Mr. 1934. no.3.

Levine, M.

A preliminary report on plants treated with the carcinogenic agents of animals. Bull. Torr. Club 61: 103-118. pl.5. Mr.1934. no.3.



Cactus & Succ. Journ. (Los Angeles) (451011)

Baxter, E. M.

California cacti. X. *Opuntia humistrata*, sp.nov.  
Cactus & Succ. Journ. 5: 521-522. illus. F.1934.  
no.8.

Croizat, L.

A plant known as "Euphorbia cactus". Cactus  
& Succ. Journ. 5:523-524. F.1934. no.8.  
*E. conspicua* (*E. cactus*)

Howell, J. T.

Cacti in the Galapagos Islands. I. Cactus  
& Succ. Journ. 5: 515-518. illus. F.1934. no.8.

Calif. Citrogr. (Los Angeles) (800125)

Batchelor, L. D. & Schoonover, W.

Present status of citrus mottle leaf studies.  
Temporary control by the use of zinc sulfate.  
Calif. Citrogr. 19: 112, 132-133. Mr.1934. no.5.

Shamel, A. D. & Pomeroy, C. S.

Relation of amount of foliage to fruit size in  
Valencia oranges. Calif. Citrogr. 19: 140-141.  
Mr.1934. no.5.

Canad. Flor. (Peterboro, Ont.) (800163)

Roodenburg, J. W.

Red light for hothouse plants. Canad. Flor.  
29: 43-44. F.20, 1934. no.4.

Canad. Journ. Res. (Ottawa) (330.90160)

Beck, E. C.

The precipitin ring test applied to some  
Ustilaginaceae. Canad. Journ. Res. 10: 234-238.  
F.1934. no.2.

Marion, L.

Chemical investigation of the corms of *Arisaema*  
*triphylum* (L.) Schott. Canad. Journ. Res. 10:  
164-169. F. 1934. no.2.

Thompson, W. P.

The causes of the cytological results obtained  
in species crosses in wheat. Canad. Journ. Res.  
10: 190-198. F.1934. no.2.



Circ. Estac. Exp. Agr. La Molina (Lima) (102.5L622)  
Weberbauer, A.

Plantas tóxicas que sirven para la pesca en el  
Perú. Circ. Estac. Exp. Agr. La Molina 22.  
16 p. illus. D. 1933.

Citrus Indust. (Tampa, Fla.) (80C49)  
Abbott, C. E.

Fruit-bud development in some citrus trees.  
Citrus Indust. 15(2): 5,20,25. illus. F.1934.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)  
Ribéreau-Gayon, J.

Sur le traitement du mildiou de la vigne par  
les bouilles cupriques. Compt. Rend. Acad. Agr.  
Franc 20: 184-189. F.7, 1934. no.5.

Compt. Rend. Acad. Sci. Paris (505P21)  
Blakeslee, A. F. & Satina, S.

Les plantes différent-elles des animaux par des  
gamètes léthals? Compt. Rend. Acad. Sci. Paris  
198: 768-770. F.19, 1934. no.8.

Experiments with *Datura* & *Drosophila*.

Costantin, J.

Cultures de la pomme de terre en hautes  
altitudes et en hautes latitudes. Compt. Rend.  
Acad. Sci. Paris 198: 685-689. F.19, 1934. no.8.

Guilliermond, A.

Sur la nature et la signification de l'appareil  
de Golgi. Compt. Rend. Acad. Sci. Paris 198:  
765-767. F.19, 1934. no.8.

Compt. Rend. Soc. Biol. Paris (442.9P21)  
Fourcroy, M.

Modifications anatomiques dans des racines  
dont l'extrémité a été plongée quelques secondes  
dans l'acide chlorhydrique. Compt. Rend. Soc.  
Biol. Paris 115: 506-510. illus. 1934. no.5.

Experiments with lupine.

Lenoir, M.

Lignes de force cytoplasmiques observées dans  
la cellule mère du sac embryonnaire chez le *Lilium*  
*martagon* L. pendant la synizèse; leur signification.  
Compt. Rend. Soc. Biol. Paris 115: 563-566. 1934.  
no.5.

Quintanilha, A.

Sur le pouvoir germinatif des spores de  
*Coprinus*. Compt. Rend. Soc. Biol. Paris 115:  
456-458. 1934. no.4.



O  
K

Current Science (Bangalore) (475Sci23)

Kadam, B. S.

A specific colour inhibitor gene in rice.

Current Science 2:246. Ja. 1934. no.7.

Parandekar, S. A.

An interesting case of the insertion of the leaves and head in *Helianthus annuus*, Linn.

Current Science 2: 2431. illus. Ja.1934. no.7.

Econ. y Técn. Agr. (Spain) (Madrid) (15Ec7)

Garcia Romero, A.

Las semillas. II. Fenómenos morfológicos y fisiológicos de la germinación. Análisis de las semillas. Importancia de tomar bien la muestra media. Econ. y Técn. Agr. (Spain) 2: 543-546. illus. D.1933. no.20.

Empire For. Journ. (99.8Em72)

Hoyle, A. C.

Note on the ayo and the opepe of Nigeria.

Empire For. Journ. 12: 267-268. D.1933. no.2.

*Holoptelea grandis*, *Sarcocephalus diderichii*.

Empire Journ. Exp. Agr. (Oxford) (10Em7)

Cheesman, E. E.

The vegetative propagation of cacao. Empire

Journ. Exp. Agr. 2: 40-50. illus., pl.2. Ja. 1934. no.5.

Farming So. Africa. (Pretoria) (24So842)

Dippenaar, B. J.

*Fusarium*-rot in potatoes. Farming So. Africa

9: 58. illus. F.1934. no.95.

Du Plessis, S. J.

Pink root and bulb-rot of onions. Farming So.

Africa 9: 70. F.1934. no.95.

Steyn, D. G.

The poisoning in human beings by weeds contained in wheat (bread poisoning). Farming So. Africa 9: 45-46. illus. F.1934. no.95.

The weeds *Senecio ilicifolius*, & *S. burchellii*; previously attributed erroneously to *Lolium temulentum*.

Wager, V. A.

*Fusarium* wilt in tomatoes. Research work in eastern Transvaal. Farming So. Africa 9: 61-63. illus. F.1934. no.95.



Flor. Exch. (N.Y.) (80F666)

Allyn, R. S.

The plant patent law and what it needs.

Flor. Exch. 82(9): 11,22. Mr.3, 1934.

Elliott, C. N.

Fruitlands lives again! Flor. Exch.

82(8): 9,16. illus. F.24, 1934.

The nursery established by P.J.A. Berckmans in 1857 at Augusta, Ga., becomes the Bobby Jones national golf course.

Mrs. Elizabeth G. Knight Britton. Flor. Exch.

82(9): 13. Mr.3, 1934.

Note of death.

Gard. Chron. (London) (80G152)

Balls, E. K.

Plant collecting in Persia. IV. From Shiraz to Kirman. Gard. Chron. III, 95: 112-113. illus. F.17, 1934. no.2460.

Friend, H.

Herbals and herbalists. VI. Pitfalls and dangers. Gard. Chron. III, 95: 130. illus. F.24, 1934. no.2461.

Pellew, C.

Hybrids in Primula. Gard. Chron. III, 95: 94-95. illus. F.10, 1934. no.2459.

Staniland, D. N.

Violet eelworm. Gard. Chron. III, 95: 134. F.24, 1934. no.2461.

From Seale-Hayne Agr. Coll. Adv. Leaflet. no.45, Ja.1934.

Pratia. Gard. Chron. III, 95: 95. F.10, 1934. no.2459.

Vernalization: A new method of shortening the vegetative period of plants. Gard. Chron. III, 95: 117. F.17, 1934. no.2460.

Gard. Illus. (London) (80G169)

Bartlett, F. M.

Fixation of plant variations. Gard. Illus. 56: 73-74. illus. F.10, 1934. no.2866.



Gartenfl. (Berlin) (80G19)

Lindinger, L.

Wachstumsringe bei monokotylen. Gartenfl.  
83: 39-41. illus. F.1934.

Genetics (442.8G28)

East, E. M.

A novel type of hybridity in *Fragaria*.  
Genetics 19: 167-174. illus. Mr.1934. no.2.

Emerson, R. A.

Relation of the differential fertilization  
genes, Ga ga, to certain other genes of the Su-Tu  
linkage groupe of maize. Genetics 19: 137-156.  
Mr.1934. no.2.

Immer, F. R.

Calculating linkage intensities from F<sub>3</sub> data.  
Genetics 19: 119-136. Mr. 1934. no.2.

Sax, K. & Anderson, E.

Interlocking of bivalent chromosomes in  
*Tradescantia*. Genetics 19: 157-166. illus.  
Mr. 1934. no.2.

Helvetica Chim. Acta (Basel) (385H36)

Karrer, P.

Pflanzenfarbstoffe LV-LVII. Helvetica Chim.  
Acta 17: 7-8, 43-54, 55-57. illus. F.1, 1934. no.1.

O. Walker, joint author LVI, W. Schlientz, LV,  
LVII.

LV. Zum vorkommen von alpha- und beta-carotin in  
verschiedenen naturprodukten. LVI. Untersuchungen  
über die herbstlichen färbungen der blätter. LVII.  
Caricaxanthin, kryptoxanthin, zeaxanthin-monopalmitat.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (374Z38)

Zechmeister, L. & Töth, G.

Vergleich von pflanzlichem und tierischem  
chitin. Hoppe-Seyl. Zeitschr. Phys. Chem. 223:  
53-56. F.5, 1934. no.1/2.

Hort. Educ. Assoc. Year Bk. (Wye, Kent) (84E78)

Hodson, W. E. H.

The control of *chrysanthemum* eelworm. Hort.  
Educ. Assoc. Year Bk. 2: 85-89. N.1933.



Hort. Educ. Assoc. Year Bk. (cont.)

MacDowall, R. K.

A note on the applications of sulphuric acid spraying to horticulture. Hort. Educ. Assoc. Year Bk. 2: 84. N.1933.

Salaman, R. N.

Virus disease research in relation to the cultivation of the potato. Hort. Educ. Assoc. Year Bk. 2: 45-50. N.1933.

Woodman, R. M.

Weed killers. Hort. Educ. Assoc. Year Bk. 2: 77-83. N.1933.

Indian For. (Dehra Dun) (99.8In2)

Parkinson, C. E.

The Indian species of *Xylocarpus*. Indian For. 60: 136-143. pl.15-17. F.1934. no.2.  
*X. gangeticus* n.sp.

Intern. Bull. Plant Prot. (464.8In8)

Noble, R. J.

Australia: Summary of plant diseases recorded in New South Wales for the season 1932-1933. Intern. Bull. Plant Prot. 8: 3-5. Ja.1934. no.1.

Iowa State Coll. Journ. Sci. (Ames, Ia.) (470Io9)

Cratty, R. I.

Notes on the immigrant flora of Iowa, I. Iowa State Coll. Journ. Sci. 8: 309-311. Ja. 1934. no.2.

Fults, J. L.

A botanical survey of Lee county, Iowa. Iowa State Coll. Journ. Sci. 8: 251-293. Ja. 1934. no.2.

Martin, J. N. & Watt, J. R.

Irregular sporogenesis and polyembryony in some Leguminosae. Iowa State Coll. Journ. Sci. 8: 303-307. illus. Ja.1934. no.2.

*Melilotus alba*, *Trifolium pratense*, *T. repens*, *Medicago sativa*, *Vicia americana*.

Wentz, J. B. & Smith, S. N.

Linkage data on the R-g<sub>1</sub> chromosome of maize. Iowa State Coll. Journ. Sci. 8: 295-301. Ja.1934. no.2.



Journ. Agr. Res. (Washington) (1Ag84J)

Ausemus, E. R.

Correlated inheritance of reaction to diseases and of certain botanical characters in triangular wheat crosses. Journ. Agr. Res. 48: 31-57. illus. Ja.1, 1934 (Rec'd Mr.3) no.1.

Hayes, H.K., Ausemus, E.R., Stakman, E.C. & Bamberg, H.

Correlated inheritance of reaction to stem rust, leaf rust, bunt, and black chaff in spring-wheat crosses. Journ. Agr. Res. 48: 59-66. Ja.1, 1934. (Rec'd Mr.3) no.1.

Hubbell, D. S.

A morphological study of blind and flowering rose shoots, with special reference to flower-bud differentiation. Journ. Agr. Res. 48: 91-95. illus., pl.1-2. Ja.1, 1934 (Rec'd Mr.3) no.1.

Reed, H.S.

Correlations between severity of pruning and subsequent growth and fruit yield of apricot trees. Journ. Agr. Res. 48: 1-30. Ja.1, 1934 (Rec'd Mr.3) no.1.

Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)

Ballard, C.W.

Shall the relationship of botany to pharmacognosy be maintained? Journ. Amer. Pharm. Assoc. 23: 139-142. F.1934. no.2.

Beath, O.A., Draize, J.H., Eppson, H.F., Gilbert, O.S. & McCreary, O.C.

Certain poisonous plants of Wyoming activated by selenium and their association with respect to soil types. Journ. Amer. Pharm. Assoc. 23: 94-97. F.1934. no.2.

*Astragalus bisulcatus*, *A. grayi* and *A. pectinatus*, *Xylorhiza parryi*, *Oenopsis condensata*, *Stanleya bipinnata* and *Mentzelia decapetala*.

Journ. Bot. (London) (450J82)

Alston, A. H. C.

Notes on Selaginella. V. The Selaginellae of Trinidad and Tobago. Journ. Bot. 72: 33-40. illus. F.1934. no.854.

British museum (Natural history) Herbarium.

Notes from the British museum herbarium. Journ. Bot. 72: 40-43. F.1934. no.854.

*Vigna occidentalis*, *Combretum youngii*, *Blyxa senegalensis* n.spp.



OK

Journ. Bot. (cont.)

Hall, P. M.

Abnormal flowers in *Cephalanthera grandiflora*  
(L.) Bab. and other orchids. Journ. Bot.  
72: 49-51. F.1934. no.354.

Novitates africanæ. (cont.) Journ. Bot. 72:  
43-49. F.1934. no.854.

Pugsley, H. W.

The Irish forms of *Neotinea intacta* Reichb.  
fil. Journ. Bot. 72: 54-55. F.1934. no.854.

Ridley, H. W.

Some dispersal notes. Journ. Bot. 72: 52-  
53. F.1934. no.854.

Journ. Dept. Agr. So. Australia (Adelaide) (23So34)

Clarke, G. F.

Important weeds of South Australia. I. St. John's  
wort (*Hypericum perforatum*, L., var. *angustifolium*,  
DC) Journ. Dept. Agr. So. Australia 37: 695-699,  
col.pl. Ja.15, 1934. no.6.

Garrett, S. D.

Factors affecting the severity of take-all. I.  
The importance of soil micro-organisms. Journ.  
Dept. Agr. So. Australia 37: 664-674. illus.  
Ja.15, 1934. no.6.

Johnston, W. C.

The occurrence of eelworms on the roots of  
certain grasses. Journ. Dept. Agr. So. Australia  
37: 705-706. Ja.15, 1934. no.6.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)

Morgan, A.

Hoary cress control. Journ. Dept. Agr. Victoria  
32: 1-6, 40. illus. Ja. 1934. no.1.

Journ. Dept. Agr. West. Austral. (Perth) (23W52J)

Gardner, C. A.

Two plants suspected of being poisonous to  
stock. Journ. Dept. Agr. West. Austral. II,  
10: 506-507. illus. D.1933. no.4.

Meadley, G. R. W.

Chemical weed killers. The chlorates of sodium  
and calcium. Journ. Dept. Agr. West. Austral.  
II, 10: 481-487. illus. D.1933. no.4



Journ. Helminth. (London) (436.8J32)

Edwards, E. E.

On the chrysanthemum nematode, *Aphelenchoides ritzema-bosi* Schwartz, 1911 and its control.

Journ. Helminth. 12: 23-33. 3 pl.on 2. Ja. 1934. no.1.

Hodson, W. E. H.

*Anguillulina dipsaci* (Kühn), as a pest of bulbous irises. Journ. Helminth. 12: 33-38. pl. Ja.1934. no.1.

Staniland, L.N. & Goodey, T.

A dwarfing disease of cultivated violets associated with the eelworm, *Aphelenchoides olesistus*. Journ. Helminth. 12: 13-22. illus. Ja.1934. no.1.

Triffitt, M. J.

Experiments with the root excretions of grasses as a possible means of eliminating *Heterodera schachtii* from infected soil. Journ. Helminth. 12: 1-12. Ja. 1934. no.1.

Journ. Hered. (Washington) (442.8AM3)

Kempton, J.H.

Heritable characters in maize. XLVII. Branched silkless. Journ. Hered. 25: 29-32. illus. Ja. 1934. no.1.

Zirkle, C.

More records of plant hybridization before Koelreuter. Journ. Hered. 25: 3-18. illus. Ja. 1934. no.1.

Notes concerning Cotton Mather, Thomas Fairchild, Richard Bradley, Thomas Knowlton, Thomas Henchman & Benj. Cooke.

Journ. N.Y. Bot. Gard. (39N48J)

Dodge, B. O.

Witches' brooms on southern white cedars.

Journ. N.Y. Bot. Gard. 35: 41-45. illus.

Mr.1934. no.411.

*Gymnosporangium myricatum*.

Studies in the genus *Gymnosporangium* VIII.



Journ. Roy. Agr. Soc. Engl. (London) (10R81)

Riffen, R. H.

Annual report for 1933 of the botanist. Journ.  
Roy. Agr. Soc. Engl. 94: 509-514. 1933.  
Includes notes on fungus diseases.

Journ. Roy. Micr. Soc. (London) (440.9R81J)

Koshy, T. K.

Chromosome studies in *Allium*. I. The somatic  
chromosomes. Journ. Roy. Micr. Soc. III, 53:  
292-318. iii pl. D.1933. no.4.

Journ. S.E. Agr. Coll. Wye (103W97J)

Salmon, E. S. & Ware, W. M.

Department of mycology. Journ. S.E. Agr.  
Coll. Wye. 33: 17-27. Ja.1934.

Journ. Tenn. Acad. Sci. (500T25A)

Cooley, L. M.

A preliminary list of the myxomycetes of  
eastern Tennessee. Journ. Tenn. Acad. Sci.  
9: 84-86. Ja.1934. no.1.

Landbouw, Nederl.-Indië (Buitenzorg) (22.5L23)

Bal, A. J.

De tengkawang in de westerafdeeling van Borneo.  
Landbouw, Nederl.-Indië 9: 211-278. illus.  
N.1933.

English summary: p.277-278.

Illipe (species of *Shorea*)

Lingnan Sci. Journ. (Canton, China) (22.5C16)

Chen, Y-C.A.

A preliminary study of the evidence for the  
taxonomic value of pollen grains in determining  
the local plants. Lingnan Sci. Journ. 13: 89-  
101. Ja.27, 1934. no.1.

Merrill, E. D.

A fifth supplementary list of Hainan plants.  
Lingnan Sci. Journ. 13: 53-73. Ja.27, 1934. no.1.

Merrill, E. D.

Unrecorded plants from Kwangtung Province. III.  
Lingnan Sci. Journ. 13: 15-52. pl.4-8. Ja.27,  
1934. no.1.

Metcalf, F. P.

Notes on Kwangtung Labiatae including a new  
species. Lingnan Sci. Journ. 13: 135-136.  
pl.10. Ja.27, 1934. no.1.

*Scutellaria microflora* n.sp.



Madras Agr. Journ. (221262)

Gopalaratnam, P.

Studies in Capsicum. I. Anthesis, pollination and fertilisation. Madras Agr. Journ. 21: 493-509. illus. D.1933, no.12.

Ramaswamy, K.

The period of receptivity of rice stigma. Madras Agr. Journ. 21: 514-519. D.1933. no.12

Magyar Bot. Lap. (Budapest) (450M272)

Árpád, D.

Tulipa hellespontica n.sp. Magyar Bot. Lap. 32: 145-146. 1933. no.7/12.

Bornmüller, J.

Ein kleiner beitrug zur hieracienflora des oberen Paznauntals (Tirol) Magyar Bot. Lap. 32: 183-187. 1933. no.7/12.

Latzel, A.

Moose aus dem Bakony- und Vértesgebirge. Magyar Bot. Lap. 32: 153-182. 1933. no.7/12.

Malayan Agr. Journ. (Kuala Lumpur) (22.5F312)

Baker, J. A.

Mushroom growing in province Wellesley & Penang. Malayan Agr. Journ. 22: 25-28. 3 pl. Ja. 1934. no.1.

Malayan For. (99.8M292)

Webber, H. L.

Fruit dispersal. Malayan For. 3: 13-19. Ja. 1934. no.1.

Fruits of trees, Shorea, etc., carried by light wind storms.

Meded. Rijks Herb. Leiden (451L59)

Henrard, J. T.

A critical revision of the genus Aristida being a preliminary study and introduction to the monograph. Supplement. Meded. Rijks. Herb. Leiden no.54c. p. 703-707. illus. S.1, 1933.

Posthumus, O.

Die botanischen ergebnisse der Elbert'schen Sunda-expedition des Frankfurter vereins für geographie und statistik IV. Meded. Rijks Herb. Leiden no.70. 26 p. 1933.



Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Pring, G.H.

Hybrid Nymphaeas. Missouri Bot. Gard. Bull.  
22: 47-90. illus., pl.6-25. (col. except pl.6)  
F. 1934. no.2.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Rauhut, G.

Alpen-pflanzen und felsen-anlagen. II.  
Möller's Deut. Gärtn.-Zeit. 49: 43-44. F.11,  
1934. no.4.

Nature (London) (472N21)

Barton-Wright, E. & McBain, A.M.

Possible chemical nature of tobacco mosaic  
virus. Nature 133: 260. F.17, 1934. no.3355.

Gates, R. R.

Prof. Erwin Baur. Nature 133: 239-240.  
F.17, 1934. no.3355.

Rygh, O.

Occurrence of antirachitic vitamin in green  
plants. Nature 133: 255. F.17, 1934. no.3355.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Allan, H.H.

Notes on recently observed exotic weeds. (6)  
Saffron thistle and marsh thistle. New Zeal.  
Journ. Agr. 48: 42-46. illus. Ja.20, 1934.  
no.1.

Cunningham, G. H.

Effects on apple-trees of lime sulphur  
following Bordeaux mixture. New Zeal. Journ.  
Agr. 48: 15-17. Ja.20, 1934. no.1.

No injury provided that lime sulphur is not in  
excess.

Cunningham, G. H.

Orchard sprays in New Zealand. VII. Combination  
sprays. New Zeal. Journ. Agr. 48: 1-12. Ja.20,  
1934. no.1.

Ohio Journ. Sci. (Columbus) (4100h3)

Anderson, D. E.

The distribution of cutin in the outer epi-  
dermal wall of *Clivia nobilis*. Ohio Journ. Sci.  
34: 9-18. illus., pl. Ja. 1934. no.1.



Orchid Rev. (Richmond, Engl.) (80 Or15)

Carr, C. E.

Coelogyne zurowetzii sp.nov. Orchid Rev.  
42: 44-45. illus. F.1934. no.488.

Matschat, C. H.

Vanilla - the orchid of commerce. Orchid  
Rev. 42: 46-50. illus. F.1934. no.488.

Rupp, J. M. R.

Australian cymbidiums. Orchid Rev. 42: 35-37.  
F. 1934. no.488.

Perfum. & Essent. Oil.Rec. (London) (308.8P41)

Freise, F. W.

Brazilian plants explored for their coumarin.  
Perfum. & Essent. Oil Rec. 25: 39-40. F.21,  
1934. no.2.

Phil. Trans. Roy. Soc. (London) (501L84Pb)

Gupta, S. N. D.

Studies in the genera Cytosporina, Phomopsis,  
and Diaporthe. VI. On the conversion of one strain of  
Diaporthe perniciosa into another. Phil. Trans.  
Roy. Soc. 223: 121-161. F.7, 1934. no.B497.

Priroda Akad. Nauk SSSR (410P933)

Cholodnyi, N. G.

Gormony rastenii [Plant hormones] Priroda  
Akad. Nauk SSSR 1933(8/9): 43-54.  
Russian.

Danilov, A. M.

Lishainnikovyi simbioz [Lichen symbiosis] Pri-  
roda Akad. Nauk SSSR 1933(11): 34-44. illus.  
Russian.

Fedchenko, B.A.

Zadachi dostizheniia Sovetskoi floristiki  
[Problems and achievements in Soviet floristics.]  
Priroda Akad. Nauk SSSR 1934(1): 66-80.  
Russian.

Iakubtsiner, M.

Nakhozhdenie dikoi pshenitsy v SSSR [Discovery  
of wild wheats in USSR] Priroda Akad. Nauk SSSR  
1933(3/9): 98-102. illus. (incl.map)  
Russian.

Wild emmer (Triticum dicoccoides ssp. armenia-  
cum, palestanicum, horanum, judaicum), refers also  
to Triticum persicum, T. macha, T. timopheevi.



Priroda Akad. Nauk SSSR (cont.)

Takubtsiner, M.

Nakhozhdenie novogo vida pshe<sup>n</sup>itsy v Armianskom nagor'i (Triticum vavilovi) [The finding of a new species of wheat in Armenia] Priroda Akad. Nauk SSSR 1933(11): 72-73. illus.

Russian.

Var. vancum, mraviana, mirabile.

Kotov, M. & Cherkasov, VI.

Novoe kauchukonosnoe rastenie - oduvanchuk osennii (Taraxacum gymnanthum D.C.), proizrastaiushchee na Iuzhnom bereru Kryma [A new rubber plant, autumn dandelion, (Taraxacum gymnanthum D.C.) growing on southern coast of Crimea] Priroda Akad. Nauk SSSR 1933(2): 63-65. illus.

Russian.

Loman, A.P.

O novom kauchukonose Kazakstana tau-saghyze [New rubber plants from Kazakstan, tau-saghyz] Priroda Akad. Nauk SSSR 1933(2): 61-63. illus.

Scorzonera tau-saghyz.

Russian.

Michurin, I. V.

O mezhrodovoi gibridizatsii [Intergeneric hybridization] Priroda Akad. Nauk SSSR 1934(1): 61-66. illus.

Russian.

Proc. Nat. Acad. Sci. (500N21P)

Cartledge, J. L. & Blakeslee, A. F.

Mutation rate increased by aging seeds as shown by pollen abortion. Proc. Nat. Acad. Sci. 20: 103-110. illus. F.1934. no.2.

Experiments with Datura.

Creighton, H. B.

Three cases of deficiency in chromosome 9 of Zea mays. Proc. Nat. Acad. Sci. 20: 111-115. F. 1934. no.2.

Johansen, D. A.

Haploids in Hordeum vulgare. Proc. Nat. Acad. Sci. 20: 98-100. illus. F.1934. no.2.



Proc. Penn. Acad. Sci. (Harrisburg) (500p383)

Cartledge, J. L.

Chromosomes of Polygonatum. Proc. Penn.  
Acad. Sci. 7: 78-79. 1933.

Cartledge, J. L.

Some interesting algae from western Pennsylvania  
Proc. Penn. Acad. Sci. 7: 79-81. 1933.

Graham, E. H.

New criteria for the taxonomist. Proc.  
Penn. Acad. Sci. 7: 58-60. 1933.

Hostetter, D. R. & Derickson, S.H.

Preliminary biological survey of Lake Conewago,  
Mount Gretna, Pennsylvania. Proc. Penn. Acad.  
Sci. 7: 8-24. illus. 1933.

Jennings, O. E.

Some interrelations of plants and birds on  
Presque Isle, Erie, Pennsylvania. Proc. Penn. Acad.  
Sci. 7: 192-195. 1933.

Keener, P. D.

Some characteristics of Darluca in culture.  
Proc. Penn. Acad. Sci. 7: 130-138. illus., pl.  
1933.

Lanfear, L. H.

Preliminary list of hepatics of western  
Pennsylvania. Proc. Penn. Acad. Sci. 7: 24-28.  
1933.

Lutz, H. J.

Unusual sprout development in Magnolia acuminata  
L. Proc. Penn. Acad. Sci. 7: 28-30. illus.  
1933.

Thurston, H. W., jr. & White, W. L.

Notes on the rusts of Pennsylvania. Proc.  
Penn. Acad. Sci. 7: 140-148. 1933.

Van Dersal, W. R. & Carthedge, J. L.

The blue-green algae of Pennsylvania. Proc.  
Penn. Acad. Sci. 7: 82-88. 1933.

Wherry, E. T.

Four shale-barren plants in Pennsylvania.  
Proc. Penn. Acad. Sci. 7: 160-164, illus. (maps)  
1933.

Trifolium virginicum, Oenothera argillicola,  
Convolvulus purshianus, Senecio antennariifolius.



Proc. Penn. Acad. Sci. (cont.)

Zundel, G. L.

The Ustilaginales of Pennsylvania. Proc.  
Penn. Acad. Sci. 7: 122-129. 1933.

Proc. Roy. Soc. Ser. B. (London) (50L84B)

Thimann, K. V. & Skoog, F.

On the inhibition of bud development and other  
functions of growth substance in *Vicia faba*.  
Proc. Roy. Soc. Ser. B. 114: 317-339. F.1. 1934.  
no.B789.

Protoplasma (Leipzig) (442.8P94)

Kostoff, D.

Tumor problem in the light of researches on  
plant tumors and galls and its relation to the  
problem of mutation. Protoplasma 20: 440-456.  
D. 1933. no.3.

A critical review from biophysical, biochemical  
and cytogenetical point of view.

Lebeschkin, W. W.

Zur technik der chemischen analyse des proto-  
plasmas. Protoplasma 20: 321-325. D. 1933. no.3.

Pekarek, J.

Absolute viskositätsmessungen mit hilfe der  
brownschen molekularbewegung. VII. Der einfluss  
des lichtes auf die zellsaftviskosität. Proto-  
plasma 20: 359-375. D. 1933. no.3.

Queensl. Agr. Journ. (Brisbane) (23Q33)

White, C. T.

Queensland grasses. Queensl. Agr. Journ.  
41: 54-58. Ja.1, 1934. no.1.

Rev. Bot. Appl. (Paris) (26R323)

Chevalier, A.

Les *Echinochloa* comme plantes fourragères.  
Rev. Bot. Appl. 13: 900-903. D.1933. no.148.

Chevalier, A.

Etudes sur les prairies de l'Ouest africain.  
I. Les graminees. Rev. Bot. Appl. 13: 845-892.  
pl.xx-xxv. D.1933. no.148.

Dop, P.

Les *Gmelina* arborescents de l'Indochine.  
Rev. Bot. Appl. 13: 893-897. D.1933. no.148.  
*G. annamensis* n.sp.



Rev. Eaux et For. (Paris) (99.8R322)

Braun-Blanquet, J.,

Association végétale climatique et climax du sol dans le midi Méditerranéen. Rev. Eaux et For. 72: 1-7. Ja. 1934. no.1.

Rev. Hort. (Paris) (80R32)

Delaunay, F.

Un nouveau Peuplier d'ornement *Populus simonii obtusata*. Rev. Hort. 106: 21. illus. Ja.16, 1934. no.1.

Evreinoff, V. A.

Les pêches "peen-too". Rev. Hort. 106: 11-13. illus., col.pl. Ja.16, 1934. no.1.

Jahandiez, E.

Les plantes grasses autres que les cactées. Les aloës et genres voisins. (cont.) Rev. Hort. 106: 14-16. illus. Ja.16, 1934. no.1.

Rhodora (Boston) (450R34)

Fernald, M. L.

Realignments in the genus *Panicum*. Rhodora 36: 61-87. Mr. 1934. no.423.

Fernald, M. L.

Some critical plants of Greenland. Rhodora 36: 89-97. illus., pl.279-280. Mr.1934. no.423.

Raup, H. M.

A new species of *Euphrasia* from northwestern Canada. Rhodora 36: 87-88. pl.278. Mr.1934. no.423.

Steyermark, J. A.

*Hamamelis virginiana* in Missouri. Rhodora 36: 97-100. Mr. 1934. no.423.

Riv. Patol. Veg. (Pavia) (464.8R52)

Ferraris, T.

Piero Voglino 23 Marzo 1864 - 22 Ottobre 1933. Riv. Patol. Veg. 24: 1-10. port. Ja./F.1934. no.1/2.

Montemartini, L.

I parassiti e le malattie delle piante coltivate nella Sicilia occidentale durante il biennio 1932-33. Riv. Patol. Veg. 24: 11-36. illus. Ja./F. 1934. no.1/2.



Riv. Patol. Veg. (cont.)

Pasinetti, L.

Su un caso specifico di deperimento cronico dell'abete bianco e sulla possibilita' di una cura. Riv. Patol. Veg. 24: 37-58. illus. Ja./F. 1934. no.1/2.

Science (470Sci2)

Meyer, S. L.

Deuterium oxide and Aspergillus. Science 79: 210-211. Mr.2, 1934. no.2044.

Deuterium used in dilute concentrations stimulates growth.

Science News Letter (470Sci24)

Grass seeds fly high, airplane traps show.

Science News Letter 25: 120. F.24, 1934. no.672.

Described by Mrs. Agnes Chase at meeting of Botanical society of Washington, D. C.

Growth of common fungus speeded by "heavy water".

Science News Letter 25:156. Mr.10,1934. no.674.

Experiments of Mr. S.L. Meyer of Vanderbilt university.

Plants retain heavy water in formation of tissues.

Science News Letter 25: 148. Mr.10, 1934. no.674.

Experiments of Dr. E.W. Washburn and Dr. E.R. Smith of Bureau of Standards.

Sci. Rep. Tokyo Bunrika Daigaku Sect. B. (513T578B)

Abe, S.

On the syngamy of some Myxomycetes. Sci. Rep. Tokyo Bunrika Daigaku Sect. B 1: 193-202. illus. Ja.23, 1934. no.18.

Scient. Agr. (Ottawa) (7Sci2)

Fitzpatrick, R. E.

The life history and parasitism Taphrina deformans. Scient. Agr. 14: 305-326. illus., pl. i-ii. F. 1934. no.6.

Scient. Monogr. Imp. Counc. Agr. Res. India (Delhi) (22Im75)

McRae, W. & Shaw, F. J. F.

Influence of manures on the wilt disease of *Cajanus indicus* Spreng. and the isolation of types resistant to the disease, Scient. Monogr. Imp. Counc. Agr. Res. India no.7. 68 p. plates. N.1933.



Scient. Month. (470Sci23)

Grouth, A.J.

Mosses. Scient. Month. 38: 270-273.

Mr.1934. no.3.

Science service radio talk.

Shreve, F.

The problems of the desert. Scient. Month.  
38: 199-209. illus. Mr.1934. no.3.

Sitzungsb. Akad. Wiss. Wien. Math.-Naturw. Kl. Abt. IIb.  
(510V67)

Späth, E. & Boschan, F.

Ueber kakteenalkaloide. X. Die konstitution  
des pelletins und des anhalonidins. Sitzungsb.  
Akad. Wiss. Wien. Math.-Naturw. Kl. Abt. IIb. 142:  
351-363. 1933. no.5/6.

Sovetsk. Botanika (450So8)

Bosse, G. G.

Nado podumat ob introduktsii *Landolphia thollani*  
Dew. [Necessary considerations on the introduction  
...] Sovetsk. Botanika 1933(3/4): 136-145,  
illus.

Russian.

Bosse, G. G.

O tselesoobraznosti postanovki opytov introduk-  
tsii *Raphionacme utilis* Broun [Desirability of es-  
tablishing experiments in the introduction ...]  
Sovetsk. Botanika 1933(3/4): 145-149. illus.

Russian.

Fedchenko, B. A.

Materialy k vyïavleniû dikoratushchikh volok-  
nistykh rastenii sssr [Materials for discovery of  
wild growing fiber plants of USSR] Sovetsk. Bota-  
nika 1933(3/4): 75-108. illus., map.

Russian.

I. *Pueraria hirsuta*... A.G. Borisova. II...  
Tiliaceae [*Tilia*] A.F. Hammerman. III. [*Datisca*  
*cannabina*] A.F. Hammerman. IV... Asclepiadaceae.  
V.L. Nekrasova, V... Convolvulaceae... V.L. Nek-  
rasova. VI. [*Lythrum salicaria*] V.L. Nekrasova.  
VII... Ulmaceae. N.G. Novikova. VIII. ... Thymel-  
aeaceae [*Daphne*] I.V. Palibin.



Sovetsk. Botanika (cont.)

Fedchenko, B. A.

Perspektivy ispol'zovaniã dikorastushchego rastitel'nogo syr'ia Tadzhijskoï Respubliki [Prospect for the utilization of the wild-growing vegetation of Tadzhisky Republic] Sovetsk. Botanika 1933(3/4): 36-41.

Russian.

Hammerman, A. F.

K voprosu ispol'zovaniã zhirnomaslichnykh rastenii [The question of the utilization of oil plants] Sovetsk. Botanika 1933(3/4): 70-74.

Russian.

Hammerman, A. F., Nekrasova, V.L. & Palibin, I.V.

Novoe rastitel'noe syr'e dlia shchetochного proizvodstva [New vegetable raw materials for broom manufacture] Sovetsk. Botanika 1933(3/4): 108-136. illus.

Russian.

Keller, B. A. & Shaparenko, K.K.

Materialy k sistematiko-ekologicheskoi monografii roda Alhagi Tourn. ex Adans. [Contributions to a systematic, ecological monograph of Alhagi] Sovetsk. Botanika 1933(3/4): 150-185. illus., map.

Russian.

Kozlov, V.

K voprosu o plodonoshenii skokoladnogo dereva v oranzhereiãkh [On the question of the fruiting of the cacao in the greenhouse] Sovetsk. Botanika 1933(3/4): 198-203. illus.

Russian.

Lapin, I. V., Sošnovskaja, N.H. & Shliapnikova, B.D.

Uroshchennyi metod opredeleniã vesovogo sootnosheniã vidov v travostoiãkh senokosov i pastbishch. [Simplified method of determining weight relation of various species in hay meadows and pastures] Sovetsk. Botanika 1933(3/4): 267-270.

Russian.



Sovetsk, Botanika (cont.)

Leisle, V. F. & Novikov, G. N.

*Scorzonera hispanica* L. Sovetsk. Botanika  
1933(3/4): 185-191.

Geographical distribution and economic importance.  
Russian.

Monteverde, N. N.

Amerikanskii gidrastis na Sovetskoi pochve  
[American Hydrastis on Soviet soil] Sovetsk. Bota-  
nika 1933(3/4): 191-198. illus.

Russian.

Palibin, I. V.

Chainoe rastenie v usloviyakh sovetskogo narod-  
nogo khoziaistva [The tea plant under the conditions  
of Soviet agriculture] Sovetsk. Botanika  
1933(3/4): 215-229.

Russian.

Appears to deal also with substitutes.

Palibin, I. V.

Kul'tura pomerantsevykh v SSSR i ee blizhaishie  
zadachi v narodnom khoziaistven [Cultivation of  
citrus in USSR and closely related problems in  
the national agriculture] Sovetsk. Botanika  
1933(3/4): 207-214.

Russian.

Pravdin, L. F.

Razvedenie probkovogo duba v SSSR [Cultivation  
of cork oak in USSR] Sovetsk. Botanika 1933  
(3/4): 229-256. illus.

Russian.

Pravdin, L. F.

Vegetativnoe razmnozhenie shokoladnogo dereva  
[Vegetative multiplication of cacao] Sovetsk.  
Botanika 1933(3/4): 203-207. illus.

Russian.

Sochava, V. B.

Kormovoe znachenie rastenii kraïnego severa  
[Forage value of plants in the far north] Sovetsk.  
Botanika 1933(3/4): 257-266.

Lichens and plants other than grasses.

Russian.



Sovetsk. Botanika (cont.)

Stankov, S. S., Shalyganova, O. N. & Bokhonov, M.P.

Dikorastushchie maslichnye rasteniâ Gor'kovskogo kraia [Wild growing oil plants of the Gor'kovskogo district] Sovetsk. Botanika 1933

(3/4): 42-69. map.

Russian.

Vasil'ev, V. F.

Osnovnye puti izucheniâ dikoi poleznoi flory SSSR [Basic methods of study of the useful wild flora of the USSR] Sovetsk. Botanik 1933(3/4):

9-36.

Russian.

I. Drug plants. II. Essential oil plants. III. Resins and gums. IV. Tannin plants. V. Oil plants. VI. Fiber plants. VII. Food plants. VIII. Fodder plants. IX. Rubber plants. X. Ornamental plants.

Te Kura Ngahere, Canterbury (N.Z.) Coll. School. For. (99.8T162)

Birch, T. T. C.

Gummosis diseases of *Cupressus macrocarpa*.

Te Kura Ngahere, Canterbury (N.Z.) Coll. School For. 3: 108-113. illus. 1933. no.3.

Due to three fungi *Phomopsis* (?*juniperovora*), *Pestalozzia funeria*, *Coryneum* sp.

Poole, A. L.

Study of wind damage to 5-year-old stand of *insignis* pine at Hammer plantation. Te Kura

Ngahere, Canterbury (N.Z.) Coll. School For.

3: 149-153. illus. 1933. no.3.

Le Terre Maroc. (Rabat) (24T44)

Miège, E.

Les plantes fourragères du Maroc. (cont.)

La Terre Maroc. 4(50): 10-19. illus. F.15, 1934.

Torreyia (450T63)

Croizat, L.

A new Texan *Coryphanta*. Torreyia 34: 15-16.

Ja./F.1934. no.1.

*Coryphanta nellieae*.

Karling, J. S.

New stations for *Physoderma* and *Ligniera*.

Torreyia 34: 13-14. Ja./F.1934. no.1.



Torreya (cont.)

Moldenke, H. N.

A supplementary list of tautonyms and miscellaneous nomenclatural notes. *Torreya* 34: 5-10.  
Ja./F.1934. no.1.

Torrey, R. H.

*Azolla caroliniana* survives in Queens kettle hole pond. *Torreya* 34: 11-12. Ja./F.1934. no.1.

Wodehouse, R. P.

A tertiary *Ephedra*. *Torreya* 34: 1-4.  
illus. Ja./F.1934. no.1.  
*Ephedra* ?miocenican.

Trans. Amer. Micros. Soc. (440.9Am33)

Cupp, E. E.

Analysis of marine plankton diatom collections taken from the Canal Zone to California during March, 1933. *Trans. Amer. Micros. Soc.* 53: 22-29.  
illus. (map) Ja.1934. no.1.

Trans. & Proc. New Zeal. Inst. (Wellington) (514W46)

Sutherland, M.

A microscopical study of the structure of the leaves of the genus *Pinus*. *Trans. & Proc. New Zeal. Inst.* 63: 517-568. illus., pl.53-54.  
D.1933. no.4.

Trans. Roy. Soc. Canada (5170t81)

Baldwin, W. K. W.

The organization of the young sporophyte of *Isoetes engelmanni*, A.Br. *Trans. Roy. Soc. Canada* III, 27(sect.V): 11-29. illus., ii pl. 1933.

Bannan, M. W.

Factors influencing the distribution of vertical resin canals in the wood in the larch, *Larix laricina* (Du Roi) Koch. *Trans. Roy. Soc. Canada* III, 27(sect.V): 203-217. illus., pl. 1933.

Scarth, G. W., Whyte, J. & Brown, A.

On the cause of night opening of stomata. *Trans. Roy. Soc. Canada* III, 27(sect.5): 115-117. 1933.  
Preliminary note.



Yearbk. Calif. Avocado Assoc. (81C128)

Cobo, B.

Padre Cobo on the avocado. Transl. by Wilson  
Popenoe. Yearbk. Calif. Avocado Assoc. 1933:  
120-121.

In the year 1653.

Horne, W. T.

Latest developments in avocado disease control.  
Yearbk. Calif. Avocado Assoc. 1933: 28-32.

Dothoriella rot, tip-burn, mottle leaf, sun  
blotch.

Yearbk. New Engl. Gladiolus Soc. (96.43N44)

Bibby, F. M.

New uses for the Fischer color chart.

Yearbk. New Engl. Gladiolus Soc. 1934: [120] -  
[130]. 1934.

Colburn, C. O.

New England originations. Yearbk. New Engl.  
Gladiolus Soc. 1934: [33]-[46] illus. 1934.

Fischer, E. N.

The stem of the gladiolus. Yearbk. New Engl.  
Gladiolus Soc. 1934:[56]-[59]. illus. 1934.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Liepzig) 442.8Z34)

Munerati, O. & Costa, T.

Di alcune forme teratologiche della Beta  
vulgaris L. e loro eredità. Zeitschr. Indukt.  
Abstamm. u. Vererbungsl. 66: 463-489. illus. 1934.  
no.3/4.

Plotnikowa, T. W.

Zytologische untersuchungen an hyperchromosomigen  
weizen-roggen-bastarden. Zeitschr. Indukt. Abstamm.  
u. Vererbungsl. 66: 404-424. illus. 1934. no.3/4.

Schick, R. & Stubbe, H.

Die gene von Antirrhinum majus. III. Zeitschr.  
Indukt. Abstamm. u. Vererbungsl. 66: 425-462.  
illus. 1934. no.3/4.

Stubbe, H.

Erwin Baur. Zeitschr. Indukt. Abstamm. u.  
Vererbungsl. 66: v-ix. port. (front.) 1934. no.3/4.



Zeitschr. Pflanzenernähr. Dung. u. Bodenk. A, Wiss. Teil.  
(Leipzig) (384Z343A)

Kornfeld, A.

Die blattfleckenkrankheit der soja — eine kalimanglerscheinung. Zeitschr. Pflanzenernähr. Düng. u. Bodenk. A, Wiss. Teil 32: 201-221. illus. 1933. no.3/4.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Köck, G.

Ueber einige bei forstlichen rauchschaden-erhebungen häufig begangene fehler und ihre vermeidung. Zeitschr. Pflanzenkr. 44: 81-91. F. 1934. no.2.

Loewel, E. L.

Die auswirkung der kupferschäden zu den einzelnen spritzzeiten. Zeitschr. Pflanzenkr. 44: 71-76. illus. F.1934. no.2.

Der Züchter (Berlin) (442.8Z8)

Mader, W. & Dotzler, F.

Eine maiszuchtmethod in experimenteller prüfung. Der Züchter 6: 12-18. illus. Ja. 1934. no.1.

Schanderl, H.

Die befruchtungsverhältnisse unserer birnen-sorten. Der Züchter 6: 6-12. Ja.1934. no.1. Sammelreferat.

Sengbusch, R. v.

Die zuchtung von lupinen mit nichtplatzenden hülsen. Der Züchter 6: 1-5. illus. Ja.1934. no.1.

Voss, J.

Die unterscheidung von sommer-und winterweizen. Der Züchter 6: 19-24. illus. Ja.1934. no.1.

Exp. Stat. Publ.

Rudolph, B. A.

Bacteriosis (blight) of the English walnut in California and its control. California Agr. Exp. Stat. Bull. 564. 88 p. illus. D.1933 (Rec'd F.1934) (100C12S)



Expt. Stat. Publ. (cont.)

Tyler, J.

The root-knot nematode. California Agr. Exp. Stat. Circ. 330. 34 p. illus. D.1933 (Rec'd F.1934) (100C12S)

Thornton, B. J. & Durrell, L. W.

Colorado weeds. Colorado Agr. Exp. Stat. Bull. 403. 115 p. illus. S.1933 (Rec'd Mr.1934) (100C71S)

Woodroof, N. C.

Pecan mycorrhizas. Georgia Agr. Exp. Stat. Bull. 178. 26 p. illus. N.1933 (Rec'd F.1934) (100G29S)

Vestal, E. F.

Pathogenicity, host response and control of Cercospora leaf-spot of sugar beets. Iowa Agr. Exp. Stat. Res. Bull. 168: 43-72. illus. D.1933. (Rec'd F.1934) (100I09)

Guba, E. F. & Holland, E. B.

Effect of hydrocyanic acid gas on cucumber plants previously sprayed with copper fungicides. Massachusetts Agr. Exp. Stat. Bull. 303. 16 p. 4 pl. D.1933 (Rec'd Mr.1934) (100M38H)

Krone, P.R., McDaniel, E.I. & Nelson, R.

Gladiolus culture, insects, and diseases. Michigan Agr. Exp. Stat. Circ. Bull. 149. 32 p. illus. Ja.1934. (100M58S)

New Jersey agricultural experiment station - Dept. of plant pathology.

Control of boxwood canker. Its Nursery Dis. Notes 6: 30-32. F.1934. no.8. (464.9M46)

South Carolina agricultural experiment station.

Research in plant physiology and plant pathology. In its Ann. Rep. 46:34-50. D.1933 (Rec'd Mr.1934) (100S08)

State Publications.

Condit, I. J.

Fig culture in California. Calif. Agr. Ext. Serv. Circ. no.77. 69 p. illus. O.1933 (Rec'd Mr. 1934) (275.29C12C)



State Publications (cont.)

Crosby, C. R. & Chupp, C.

The control of diseases and insects affecting vegetable crops on Long Island. Cornell Ext. Bull. 278. 87 p. illus. Ja. 1934. (275.29N48E)

New Books.

Bartholomew, E.

Handbook of the North American Uredinales. 2d ed. including citations, synonymy and complete index. Morland, Kansas, Morland Monitor, 1933. (462B283H)

Bonnier, G. & Douin, R.

Flore complète illustrée en couleurs de France... Suisses et Belgique... fasc.117. Paris, [1934] (f<sup>o</sup>459B64)

Dangeard, P. A.

Remarques au sujet de la structure de la cellule végétale et de la cellule animale. Paris, D. 1933. (463.43D21)

Issued with the Botaniste v.25, no.5/6.

Eyma, P. J.

The Polygonaceae, Guttiferae and Lecythidaceae of Surinam. Amsterdam, J.H. de Bussy, 1932. (457.5Ey5)  
Proefschr. Utrecht.

"Taxonomical part reprinted from the Flora of Surinam" (by Pulle).

Flora of tropical Africa ed. by Sir D. Prain. v.9, pt.6. Gramineae (Maydeae-Panicaceae). London, L. Reeve & Co., 1934. (460.43014)

Grainger, J.

Virus diseases of plants. Oxford, Oxford university press, 1934 (464.32G76)

Jaeger, E. C.

The California deserts. Stanford university, Stanford university press, 1933. (409J17)

Mohave and Colorado deserts and certain contiguous portions of southeastern Nevada and western Arizona "all within the realm of the creosote bush."

Kanash, S. S.

Mozhvidovaiâ gibrizatsiia v predelakh razno-khromozomnykh vidov khlopchatnika (Interspecific hybridization within the limits of the cotton plant varieties with different chromosomes). Moskva, Tashkent, 1932 (72K13)

Russian with English summary.



New Books (cont.)

Novopokrovsky, I. V. & Kosenko, I. S.

Raiony sornoi rastitel'nosti severokakazskogo kraia [Regions of weed vegetation in the North Caucasus] Rostov na Donu, 1933 (79N85)  
Russian.

Tsivinskii, V. I.

K uzucheniiu morfologii i fiziologii kornevoi sistemy khlopchatnika [A study of the root system of the cotton plant] Moskva, etc. 1933. (72T78)  
Russian.

Correction.

v.15, 16. p.9.

The date of last article on page is Ag.1, 1933.

Non-current indexing.

Bull. Sect. Sci. Acad. Roumaine (Bucarest) (512B852)

Alexandri, Al.V.

Montagnites radiosus (Pall.) Holl. in der Dobrogea und in süden von Bessarabien. Bull. Sect. Sci. Acad. Roumaine 15: 192-194. 1932. no.7/8.

Oescu, C. V. & Rădulescu, I. M.

Péronosporacées récoltées dans la dépression de la Rivière Jijia. Bull. Sect. Sci. Acad. Roumaine 15: 181-191. illus. 1932. no.7/8!

Stănescu, P. P., Aronescu, A. & Mihăilescu, I.G.

Observations sur l'évolution diurne de l'accumulation transitoire de l'amidon dans les feuilles des plantes vertes. Bull. Sect. Sci. Acad. Roumaine 15: 80-83. 1932. no.3/4.

Bull. School Fish. Hokkaido Imp. Univ. (414.9E68)

Tokida, J.

The marine algae from Robben Island (Kaihyo-to) Saghalien. Bull. School. Fish. Hokkaido Imp. Univ. 2: 1-34. illus., xi pl. Mr.1932.

Nauk. Zapiski Tsukr. Prom. Ukrain. Nauk.-Dosl. Inst.

Tsukr. Prom. [Sci. Contr. Sugar Ind. Ukrain. Res. Inst. Sugar Ind.] (Kiev) (65.9E54)

Korab, I.I. & Eutovskiy, A.P.

Khlorpikrin, kak nooe sredstvo bor'by so sveklovichnoi nematodoi (Chloropicrine as a new remedy against beet nematodes). Nauk. Zapiski Tsukr. Prom. Ukrain. Nauk.-Dosl. Inst. Tsukr. Prom. [Sci. Contr. Sugar Ind. Ukrain. Res. Inst. Sugar Ind.] 9(21/22): 149-161. illus. Jl./Ag. 1932.

Russian with English summary.



Non-current indexing. (cont.)

Nauk. Zapiski Tsukr. Prom. Ukrain. Nauk.-Dosl. Inst.  
Tsukr. Prom. [Sci. Contr. Sugar Ind. Ukrain. Res. Inst.  
Sugar Ind.] (cont.)

Levits'ka, V.

Reaktsiia ozimikh pshebits na vpliv R-prominnia  
(Influence of R-rays on the germination energy of  
corn [i.e. wheat] seeds). Nauk. Zapiski Tsukr.  
Prom. Ukrain. Nauk.-Dosl. Inst. Tsukr. Prom. [Sci.  
Contr. Sugar Ind. Ukrain. Res. Inst. Sugar Ind.]  
9(21/22): 213-226. Jl./Ag.1932.

Ukrainian with English summary.

Orlovsky, N. I.

Provplyv chastkovogo zmeshennia kil'kosti  
listu na viivlennia utilitarnikh oznak u buriakiv.  
(Influence of the artificial reduction of leaves on the  
development of the sugar in the sugar beet).  
Nauk. Zapiski Tsukr. Prom. Ukrain. Nauk.-Dosl. Inst.  
Tsukr. Prom. [Sci. Contr. Sugar Ind. Ukrain. Res.  
Inst. Sugar Ind.] 9(21/22): 227-238. Jl./Ag.1932.

Ukrainian with English summary.

Sirotna, M.

Kariologicheskoe issledovanie Beta vulgaris  
L. (Karyologic investigation of Beta vulgaris L.)  
Nauk. Zapiski Tsukr. Prom. Ukrain. Nauk.-Dosl.  
Inst. Tsukr. Prom. [Sci. Contr. Sugar Ind. Ukrain.  
Res. Inst. Sugar Ind.] 9(20): 87-100. illus. Je.  
1932.

Russian with English summary.

Sirotna, M.

Tsitologicheskoe izuchenie mozaiki sakharnoi  
svekly (A cytological study of mosaic disease of  
sugar beet). Nauk. Zapiski Tsukr. Prom. Ukrain.  
Nauk.-Dosl. Inst. Tsukr. Prom. [Sci. Contr. Sugar  
Ind. Ukrain. Res. Inst. Sugar Ind.] 9(24): 195-216.  
illus. O.1932.

Russian with English summary.

Solunskaja, N.

O bakterial'nom zabolovanii sosudov mnogolet-  
nykh bobovykh trav, kak prichine prezhd'veremennogo  
otmiraniia ikh kornevoi sistemy (Bacterial disease  
of vascular system of legumes as cause of dying  
off of roots). Nauk. Zapiski Tsukr. Prom. Ukrain.  
Nauk.-Dosl. Inst. Tsukr. Prom. [Sci. Contr. Sugar  
Ind. Ukrain. Res. Inst. Sugar Ind.] 9(18): 141-146.  
pl. Ap.1932.

Russian. English summary in Rev. Appl. Mycol. 12:571-  
572. 1933.

Aplanobacter insidiosum on clover, lucerne, sainfoin &c.



Non-current indexing. (cont.)

Nauk. Zapiski Tsukr. Prom. Ukrain. Nauk.-Dosl. Inst.  
Tsukr. Prom. [Sci. Contr. Sugar Ind. Ukrain. Res. Inst.  
Sugar Ind.] (cont.)

Verderevsky, D.

Vidy Sclerotinia, vyzyvaiushchie kagatnuïu  
gnil sakharnoi svekly (Species of Sclerotinia  
causing storage rot of sugar beet). Nauk. Zapiski  
Tsukr. Prom. Ukrain. Nauk.-Dosl. Inst. Tsukr.  
Prom. [Sci. Contr. Sugar Ind. Ukrain. Res. Inst.  
Sugar Ind.] 9(16/17): 247-263. illus. F./Mr.  
1932.

Russian with French summary.

S. intermedia?

Trudy Sredno-Aziat. Gosud. Univ. (Acta Univ. Asiae Med.)  
ser. XII, Geogr. (Tashkent) (511T18Ge)

Kiselev, E. I.

Materialy po rastitel'nosti vodoemov okrestnostei  
g. Staroi Bukhary (Materialien sur vegetation der  
wasserbecken in der umgebung der stadt "das alte Bu-  
chara" (Staraja Buchara). Trudy Sredno-Aziat. Go-  
sud. Univ. (Acta Univ. Asiae Med.) Ser. XII, Geogr.  
f.10. 17 p. incl. 3 maps. 1931.

Russian with German summary.

Kiselev, I. A.

Opyt gidrobiologicheskoe kharakteristiki tipov-  
vikh vodoemov Srednei Azii (Materialien zur hydro-  
biologischen charakteristik einiger typischen was-  
serbecken Mittelasiens). Trudy Sredno-Aziat.  
Gosud. Univ. (Acta Univ. Asiae Med.) Ser. XII, Geo-  
gr., f.9. 85p. 8 pl. 1931.

Russian with German summary.

Diagnosen neuer algae: p.74-79.



# BOTANY

## CURRENT LITERATURE

LIBRARY  
RECEIVED  
★ APR - 2 1934 ★

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY, U. S. Department of Agriculture  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 6.

Mar. 12-24, 1934.

Amer. Fern Journ. (450Am35)

Blomquist, H. L.

The American Welsh polypody in North Carolina.

Amer. Fern Journ. 24: 24-26. pl. Ja./Mr. 1934.  
no. 1.

*Polypodium virginianum* f. *cambricoides*.

Boydston, K. E.

The fern exhibit at "A Century of progress".

Amer. Fern Journ. 23: 117-122. O./D. 1933. no. 4.

Ewan, J.

More fern notes from California. Amer. Fern

Journ. 24: 1-9. Ja./Mr. 1934. no. 1.

Harris, S. K.

A second station for *Lygodium palmatum* in New

Hampshire. Amer. Fern Journ. 23: 124-126.

O./D. 1933. no. 4.

South Hampton, N.H.

House, H. D.

Scott's spleenwort in Dutchess county, New York.

Amer. Fern Journ. 23: 122-124. pl. 6. O./D. 1933.  
no. 4.

Knobloch, I. W.

Notes on ferns from Western New York. Amer.

Fern Journ. 24: 26-27. Ja./Mr. 1934. no. 1.

Maxon, W. R. & Morton, C. V.

A new maidenhair from Peru. Amer. Fern Journ.

24: 15-17. Ja./Mr. 1934. no. 1.

*Adiantum anceps*.

Maxon, W. R.

New tropical American ferns. XI. Amer. Fern

Journ. 23: 105-108. O./D. 1933. no. 4.

*Polypodium lorentense*, *Pteris killipii* n. spp.



Amer. Fern Journ. (cont.)

Maxon, W. R.

*Polystichum acrostichoides* in Mexico.

Amer. Fern Journ. 24: 23-24. Ja./Mr.1934. no.1.

Sharpe, M. R.

A new variety? Amer. Fern Journ. 24: 28.

Ja./Mr. 1934. no.1.

Cinnamon fern with a deep reddish-brown rachis.

Weatherby, C. A.

Ferns in bottles. Amer. Fern Journ. 24: 27-

28. Ja./Mr. 1934. no.1.

Wherry, E. T.

Fern field notes, 1933. Amer. Fern Journ. 24:

23: 109-112. O./D. 1933. no.4.

Youmans, W. B.

Ferns of the Mammoth Cave national park region.

Amer. Fern Journ. 23: 113-116. O./D. 1933. no.4.

Some folk-lore of ferns. Amer. Fern Journ.

24: 10-15. Ja./Mr.1934. no.1.

Extracts from Sir James George Frazer's  
Garnered Sheaves, p.107-109, 124-127. 1931.

Amer. Fruit Grow. (Chicago) (80G85)

Dotton, W. C.

Apple scab in terms of apple varieties.

Amer. Fruit Grow. 54(3): 11,23. Mr.1934.

Shamel, A. D. & Pomeroy, C. S.

The anniversary of the Navel orange. Amer.

Fruit Grow. 54(3): 10,22,30. illus. Mr.1934.

Amer. Nat. (470Am36)

Humphrey, L. M.

The somatic chromosomes of *Cypripedium hirsutum*  
and six species of the genus *Habenaria*. Amer. Nat.  
68: 184-186. illus. Mr./Ap.1934. no.715.

Amer.Nurserym. (Rochester, N.Y.) (80Am371)

Chadwick, L. C.

Key to evergreen *Ilex*. Amer. Nurseryman

59(6): 5-6. illus. Mr.15, 1934.

Ann. R. Staz. Sper. Agrum. e Frutt. Acireale (80B832A)

Casella, D.

L'apiatura del limone e la selezione gemmaria.

Ann. R. Staz. Sper. Agrum. e Frutt. Acireale n.s.,  
1: 47-49. pl.v-ix. 1933.



Ann. R. Staz. Sper. Agrum. e Frutt. Acireale (cont.)  
Casella, D.

Un caso di metantesi nell'albicocco. Ann.  
R. Staz. Sper. Agrum. e Frutt. Acireale n.s.,  
1: 73-75. pl.xii. 1933.

Casella, D.

Un caso di neocarpia nel pompelmo (Citrus  
paradisi Macf.) Ann. R. Staz. Sper. Agrum. e.  
Frutt. Acireale n.s., 1: 77-84. pl. xiii. 1933.

Casella, D.

Il Prunus cocumilia Tenore. Ann. R. Staz.  
Sper. Agrum. e Frutt. Acireale n.s., 1: 1-8.  
pl.i-ii (1 col.) 1933.

Casella, D.

Un tumore prodotto da Bacterium tumefaciens  
Smith e Town su arancia ovale e la selezione  
gemmaria. Ann. R. Staz. Sper. Agrum. e Frutt.  
Acireale n.s. 1: 43-45. pl.iv. 1933.

Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A.) (Berlin) (18W76)  
Derewitzky, N.

Bearbeitung der ergebnisse von versuchen mit  
ausfallenden parzellendaten. Arch. Pflanzenb.  
(Wiss. Arch. Landw. Abt.A) 10: 573-585. F.12, 1934.  
no.4.

Klapp, E., Stählin, A. & Wacker, F. W.

Wiesen und wiesenspflanzen in Mitteldeutschland.  
IV. Verteilung und zeigerwert der arten und bestände  
in wiesen verschiedener bodenreaktion. Arch. Pflanzenb.  
(Wiss. Arch. Landw. Abt.A) 10: 533-557. F.12, 1934.  
no.4.

Müller, H.

Der einfluss von standort und klima auf die  
zusammensetzung der wiesenbestände in Baden.  
Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 10: 599-  
641. illus. (map) F.12, 1934. no.4.

Nicholaisen, W.

Dreijährige versuche über heterosis bei spinat.  
Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 10: 586-  
598. F.12, 1934. no.4.



Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) (cont.)

Rathlef, H. v.

Materialien zur kenntnis des reifen pollenkornes der kartoffel. III. Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 10: 558-572. F.12, 1934. no.4.

Wurmbach, H.

Beiträge zur kenntnis der bodenatmung und der kohlendioxidkonzentration der bodenluft in landwirtschaftlich genutzten flächen. Arch. Pflanzenb. (Wiss. Arch. Landw. Abt.A) 10: 484-532. F.12, 1934. no.4.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Orechoff, A., Gurewitch, H. & Norkina, S.

Ueber die alkaloide von *Vinca pubescens*.

Arch. Pharm. & Ber. Deut. Pharm. Ges. 272: 70-74. F. 1934. no.2.

Arizona Prod. (6Ar44)

Finch, A. H., Albert, D.W., & Kinnison, A. F.

Iron for chlorosis. Causes of "citrus decline" discovered to be mineral deficiency. Control in sight. Arizona Prod. 13: 8-10. illus. Mr.15, 1934. no.1.

Arquiv. Inst. Biol. Veg. Rio de Janeiro (442.9R47)

Fagunes, A. E.

O boro em nutrição vegetal. Arquiv. Inst. Biol. Veg. Rio de Janeiro 1: 3-26. illus. Ja.1934. no.1.

Grillo, H. V.da S.

Sobre a *Pestalotia rhipsalidis* sp.n. Arquiv. Inst. Biol. Veg. Rio de Janeiro 1: 63-65. illus. Ja. 1934. no.1.

On *Rhipsalis pachyptera*.

Kuhlmann, J. G.

Notas sobre o genero *Duckeodendron*. Arquiv. Inst. Biol. Veg. Rio de Janeiro 1: 35-37. illus. Ja. 1934. no.1.

Creates a new tribe *Duckeodendron*.in Solanaceae.

Kuhlmann, J. G.

O gênero *Eichleria* sinonimo de *Rourea*. Arquiv. Inst. Biol. Veg. Rio de Janeiro 1: 39-40. illus. Ja. 1934. no.1.



Arquiv. Inst. Biol. Veg. Rio de Janeiro (cont.)

Milanez, F. R.

Estrutura do lenho do *Mimusops huberi*.

Arquiv. Inst. Biol. Veg. Rio de Janeiro 1:

49-62. 9 pl. Ja. 1934. no.1.

Silveira, F. R.da

Anomalias observadas em *Zea mays* L. Arquiv.

Inst. Biol. Veg. Rio de Janeiro 1: 41-47. illus.

Ja. 1934.

Beih. Bot. Centralbl. Abt.I. (Dresden) (450B65B)

Berger-Landefeldt, U.

Die hydratur einiger halophyten in ihrer  
abhängigkeit von der substratkonzentration.

Beih. Bot. Centralbl. Abt.I, 51: 697-710. D.1933.

no.3.

Experiments with *Honckenya peploides* and  
*Triglochin maritima*.

Czurda, V.

Experimentelle analyse der kopulations-  
auslösenden bedingungen bei mikroorganismen. I.  
Untersuchungen an algen (*Spirogyra*, *Sygnema*  
und *Hyalotheca*). Beih. Bot. Centralbl. Abt.I,  
51: 711-762. pl.v-viii. D.1933. no.3.

Härdtl, H.

Untersuchungen an laubblättern über die  
beziehungen zwischen stiel und spreite bei ver-  
schiedener belastung und resektion. Beih. Bot.  
Centralbl. Abt.I. 51: 619-672. D.1933. no.3.

Heller, J.

Ueber verholzungen in der blütenregion wind-  
blütiger gewächse. Beih. Bot. Centralbl. Abt.I  
51: 517-523. illus. D.1933. no.3.

Malhotra, R. C.

Biochemical study of seeds during germination.  
IV-V. Beih. Bot. Centralbl. Abt.I, 51: 524-530.  
531-540. D.1933. no.3.

IV. The distribution of some chemical reserves  
and calorific energy in the previously isolated  
endosperm during the germination conditions. V.  
Successive elongation of shoots and roots in *Zea*  
*mays* seeds and embryo-seedlings with known chemical  
reserves and calorific energy.



Beih. Bot. Centralbl. Abt.I (cont.)

Pohl, F.

Beiträge zur morphologie und biologie des  
pollen. IV-V. Beih. Bot. Centralbl. Abt.I,  
51: 673-692, 693-696. illus. D.1933. no.3.

IV. Freilandversuche zur bestäubungsökologie  
der stieleiche. V. Untersuchungen über die bestäub-  
ungsverhältnisse der traubeneiche.

Regli, P. E.

Zur kenntnis der saugkraft von laubholz-  
gewächsen. Beih. Bot. Centralbl. Abt.I, 51:  
541-618. D.1933. no.3.

Boll. R. Staz. Patol. Veg. Roma (Firenze) (464.9R662)

Ciferra, R.

Esperienze ed osservazioni sulla clorosi,  
sulla rosetta e sul mal del piombo nutrizionali  
del pesco. Boll. R. Staz. Patol. Veg. Roma  
n.s.13: 431-536. illus., pl.xxii-xxix. 1933. no.4.

Brief English summary: p.532.

Ciferri, R.

La rosetta del frassino coltivato nei pescheti  
rosettati. Boll. R. Staz. Patol. Veg. Roma n.s.,  
13: 554-560. illus., pl. xxx-xxxi. 1933. no.4.

Brief English summary.

Curzi, M.

Il deperimento del piretro nell'isola di  
Cherso. Boll. R. Staz. Patol. Veg. Roma n.s.  
13: 537-553. illus. 1933. no.4.

Brief English summary.

Sibilia, C.

La malattia della defogliazione della Pseudo -  
tsuga da Rhabdocline pseudotsugae Syd. Boll. R.  
Staz. Patol. Veg. Roma n.s., 13: 591-600. 1933.  
no.4.

Sibilia, C.

Ulteriori notizie sulla resistenza dell'  
Ulmus pumila a Ceratostomella ulmi Buis. Boll.  
R. Staz. Patol. Veg. Roma n.s., 13: 561-565.  
illus. 1933. no.4.

Brief English summary.



Bull. Agr. Chem. Soc. Japan. (J385Ag8B)

Nishikawa, H.

Biochemistry of filamentous fungi. II-III.

Bull. Agr. Chem. Soc. Japan 9: 107-109, 148-151.

Jl./S., O./D. 1933. no.7/9, 10/12.

II-III. A metabolic product of *Aspergillus melleus* Yukawa.

Okano, K. & Ohara, I.

On the two kinds of saponin of soya bean.

Bull. Agr. Chem. Soc. Japan 9: 177-180. O./D.

1933. no.10/12.

Sasaki, S.

Studies on the germination of seeds. III.

Transformation on carbohydrates during germination of soy-bean seeds. Bull. Agr. Chem. Soc. Japan

9: 181-182. O./D. 1933. no.10/12.

Yamafuji, K.

Ueber die farbstoffe der tabakblüten (Ueber die chemischen bestandteile des tabaks. Mitt. III)

Bull. Agr. Chem. Soc. Japan 9: 136-139. Jl./S.

1933. no.7/9.

Bull. Écon. Indochine (22.5In2)

Dugros, M.

Etude sur les palmiers d'eau de Cochinchine.

Bull. Écon. Indochine 36: 1049-1066. 4 pl.

N./D. 1933.

Nipa.

Bult. Sci. Fak. Terkult. Kjuŝu Imp. Univ. (J107.6K995B)

Kôketsu, R. & Fujita, T.

Zum beweis der eignung der Kôketsu'schen

pulvermethode durch vvergleich der täglichen

veränderung des gewichtes und pulvervolumens

der trockensubstanz in den blättern. II. Durch

die anwendung der einheit zellulosegehalt als

standard-wert zum vvergleich. Bult. Sci. Fak.

Terkult. Kjuŝu Imp. Univ. 5: 564-577. D.1933.

no.5.

Japanese with German summary.

Tamai, T.

Application of liquid air for the preparation

of "gewebepulver". Bult. Sci. Fak. Terkult.

Kjuŝu Imp. Univ. 5: 546-653. D.1933. no.5.

Japanese with English summary.



Bult. Sci. Fak. Terkult. Kjuŝu Imp. Univ. (cont.)

Tamai, T. & Tsuruta, S.

Variation of water content and transpiration of some plants as related to the water content and the water supplying power of the soil, with special reference to the critical point where soil moisture becomes superfluous. Bult. Sci. Fakt. Terkult. Kjuŝu Imp. Univ. 5: 590-619. D.1933. no.5.

Japanese with English summary.

Experiments with Glycine, Fagopyrum, Triticum and Vicia.

Yoshii, H.

Pathological studies on watermelon wilt. II. On the migration of microconidia. Bult. Sci. Fak. Terkult. Kjuŝu Imp. Univ. 5: 578-589. illus. D.1933. no.5.

Japanese with English summary.

Yoshii, H.

Studies on Gloeosporium kawakamii Miyabe. IV. On the anthracnose of Paulownia tomentosa caused by Gloeosporium kawakamii Miyabe. Bult. Sci. Fak. Terkult. Kjuŝu Imp. Univ. 5: 524-545. illus. D.1933. no.5.

Japanese with English summary.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)

Ducomet, V. & Diehl, R.

La culture de la pomme de terre en montagne et les maladies de dégénérescence. Compt. Rend. Acad. Agr. France 20: 228-238. F.21, 1934. no.7.

Lagatu, H. & Maume, L.

Examen critique du diagnostic foliaire.

Compt. Rend. Acad. Agr. France 20:246-257. F.21, 1934. no.7.

Schribaux, E.

Le printanisation des blés. Compt. Rend. Acad. Agr. France 20: 218-220. F.21, 1934. no.7.

Compt. Rend. Acad. Sci. Paris. (505P21)

Chaze, J.

Sur le mode de formation des grains d'aleurone dans les graminées et sur la production dans ceux-ci de composés oxyflavoniques et anthocyaniques. Compt. Rend. Acad. Sci. Paris 198: 840-842. F.26, 1934. no.9.



Compt. Rend. Acad. Sci. Paris (cont.)

Dusseau, A.

Sur une nouvelle lignée hybride durelloïde issue du croisement de deux *Triticum* vulgare. Compt. Rend. Acad. Sci. Paris 198: 847-848. F.26, 1934. no.9.

Gavaudan, P.

Sur les colorations vitales diffuses de quelques flagellés et les affinités chimiques du cytoplasme et de ses divers constituants. Compt. Rend. Acad. Sci. Paris 198: 848-850. F.26, 1934. no.9.

Vandendries, R.

Le cycle conidien haploïde et diploïde chez les basidiomycètes. Compt. Rend. Acad. Sci. Paris 198: 842-843. F.26, 1934. no.9.

*Polyporus squamosus*, *Trametes cinnabarina*, *Pleurotus pinsitus*.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Skalinska, M.

Les *Aquilegia* allotétraploïdes représentent-ils une nouvelle espèce? Compt. Rend. Soc. Biol. Paris 115: 651-653. 1934. no.6.

*A. chrysantha* x *A. flabellata nana*.

Contr. Boyce Thomp. Inst. Plant Res. (451B69)

Barton, L. V.

Dormancy in *Tilia* seeds. Contr. Boyce Thomp. Inst. Plant Res. 6: 69-89. illus. Ja./Mr. 1934. no.1.

Denny, F. E. & Miller, L. P.

Hastening the germination of dormant gladiolus cormels with vapors of ethylene chlorhydrin. Contr. Boyce Thomp. Inst. Plant Res. 6: 31-38. Ja./Mr. 1934. no.1.

Flemion, F.

Physiological and chemical changes preceding and during the after-ripening of *Symphoricarpos racemosus* seeds. Contr. Boyce Thomp. Inst. Plant Res. 6: 91-102. illus. Ja./Mr. 1934. no.1.

Hitchcock, A. E., Crocker, W. & Zimmerman, P. W.

Toxic action in soil of illuminating gas containing hydrocyanic acid. Contr. Boyce Thomp. Inst. Plant Res. 6: 1-30. illus. Ja./Mr. 1934. no.1.



Contr. Boyce Thomps. Inst. Plant Res. (cont.)

Pfeiffer, N. E.

Morphology of the seed of *Symphoricarpos racemosus* and the relation of fungal invasion of the coat to germination capacity. Contr. Boyce Thomp. Inst. Plant Res. 6: 103-122. illus. Ja./Mr.1934. no.1.

Woods, M. W.

Cellular changes in ring-spot. Contr. Boyce Thomps. Inst. Plant Res. 6: 51-67. illus. Ja./Mr. 1934. no.1.  
Of tobacco.

Zimmerman, P. W. & Berg, R. O.

Effects of chlorinated water on land plants, aquatic plants, and goldfish. Contr. Boyce Thomps. Inst. Plant Res. 6: 39-49. illus. Ja./Mr. 1934. no.1.

Deut. Landw. Presse (Berlin) (18D482)

Pieper,

Vorbeugende massnahmen gegen den weizenrost. Deut. Landw. Presse 61: 95. illus. F.24, 1934. no.8.

Soltau, F.

Erfahrungen über die eisenfleckigkeit der kartoffel. Deut. Landw. Presse 61: 84. F.17, 1934. no.7.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Chailakhian, M. Kh.

Vliyanie dliny dnia na khlorofillonosnyy apparat rastenii (The effect of length of the day upon the chlorophyll apparatus of plants). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) 1934: 37-42. no.1.

Russian with English summary.

Ernähr. Pflanze (Berlin) (57.8Er6)

Merkenschlager, F.

Die konstitution des rotklees. Ernähr. Pflanze 30: 81-89. illus. Mr.1, 1934. no.5.

Floralia (Assen, Netherlands) (80F6613)

Schenk, P.J.

Ziektenbestrijding bij Amaryllis en Gloxinia. Floralia 55: 147-148. illus. Mr.8, 1934. no. 10.  
Virus? disease of Gloxinia, mosaic of Amaryllis.



Flor. Exch. (N.Y.) (80F666)

Brownell, T. D.

More plant patent observations. Flor. Exch.  
82(10): 13, 19. Mr.10, 1934.

Gard. Chron. (London) (80G162)

Ball, E. K.

Plant collecting in Persia. V.Kirman ro  
Lalhezar. Gard. Chron. III, 95: 146-147:  
illus. Mr.3, 1934. no.2462.

Bunyard, E.A.

The introduction of vegetables. Gard. Chron.  
III, 95: 148-149. Mr.3, 1934. no.2462.

Abstract of lecture given at Horticultural Club.

Ingwersen, W.

Lewisias. Gard. Chron. III, 95: 144.  
Mr.3, 1934. no.2462.

Hacienda (N.Y.) (6H11)

Cross, W. E.

El florecimiento de la caña de azúcar.  
Hacienda 29: 74-75. illus. Mr.1934. no.3.

Hawaiian Plant. Rec. (Honolulu) (25H311)

Ayres, A.

Variation of mineral content of sugar cane  
with age and season. Hawaiian Plant. Rec.  
37: 197-206. 1933. no.4.

Hilgardia (Berkeley, Cal.) (100C12H)

Wilson, E. E.

Bacterial canker of stone-fruit trees in  
California. Hilgardia 8: 83-123. illus.  
D.1933. no.3.

Isolations from sour sap & gummosis types  
of cankers yield similar organisms. The green strain  
identical with *Pseudomonas cerasi*, the white des-  
cribed as *Pseudomonas cerasi* var. *prunicola*.

Horticulture (Boston) (80H787)

Furniss, G. B.

Keeping maidenhair-fern fresh. Horticulture  
12: 72. Mr.1, 1934. no.5.



House & Gard. (Greenwich, Conn.) (80H81)

Arai, M.

How the Japanese preserve cut flowers.

House and Gard. 65(4): 38-39, 84. illus.

Ap.1934.

Gabrielson, I. N.

The Canadian Rockies, a western plant paradise.

House and Gard. 65(4):56-57, 92, 97. illus.

Ap.1934.

Ital. Agr. (Milan) (16I61)

Ciferri, R.

Recentissime vedute intorno al problema delle ruggini dei cereali. Ital. Agr. 71: 128-139.

F.1934. no.2.

Izv. Akad. Nauk SSSR (Bull. Acad.Sci. URSS) (Leningrad) (511Sa2B)

Zalossky, M. D.

O novykh iskopaemykh rasteniiakh antrakolitovoi sistemy Kuznetskogo basseina I. (Sur les nouveaux végétaux fossiles du système anthracolithique du bassin de Kousnetzk) Izv. Akad. Nauk SSSR VII.

Ser. Otdel. Mat. i Estestv.Nauk (Bull. Acad. Sci. URSS VII Sér. Cl. Sci. Math. et Nat.) 1933: 1214-1258. illus. no.8.

Russian.

Journ. Agr. Assoc. China (C22.5Ag862)

Tu, Chih

Breeding for disease resistance. Journ.Agr.

Assoc. China 114: 159-184. illus. Jl.1933.

Chinese.

Journ. Agr. Res. (Washington, D.C.) (1Ag84W)

Artschwager, E, & Starrett, R.C.

The time factor in fertilization and embryo development in the sugar beet. Journ.Agr.Res. 47:

823-843. illus., 6 pl. D.1, 1933 (Rec'd Mr.7,1934) no.11.

Brown, L. N.

Flooding to control root-knot nematodes.

Journ. Agr. Res. 47: 883-888. illus. D.1,1933.

(Rec'd Mr.7,1934) no.11.



Journ. Agr. Res. (cont.)

Cole, J. R.

Liver-spot disease of pecan foliage caused by *Gnomonia caryae pecanac*, nov.var. Journ. Agr. Res. 47: 869-881. illus. D.1, 1933 (Rec'd Mr.7, 1934) no.11.

Frear, D. E. H.

A study of the iodine content of Pennsylvania potatoes. Journ. Agr. Res. 48:171-182. illus. Ja.15,1934 (Rec'd Mr.16) no.2.

Lehman, S. G.

Frog-eye (*Cercospora diazu miura*) on stems, pods, and seeds of soybean, and the relation of these infections to recurrence of the disease. Journ. Agr. Res. 48: 131-147. illus. Ja.15, 1934 (Rec'd Mr.16) no.2.

Webber, J. M.

Cytological features of *Nicotiana glutinosa* haplonts. Journ. Agr. Res. 47:845-867. illus. 4 pl. D.1, 1933 (Rec'd Mr.7, 1934) no.11.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Cutler, G. H.

A simple method for making soybean hybrids. Journ. Amer. Soc. Agron. 26:252-254. Mr.1934. no.3.

Jenkins, M. T.

Methods of estimating the performance of double crosses in corn. Journ. Amer. Soc. Agron. 26: 199-204. Mr.1934. no.3.

McClelland, C. K. & Young, V. H.

Seed corn treatments in Arkansas. Journ. Amer. Soc. Agron. 26: 189-195. Mr.1934. no.3.

Martin, J. H.

The practical application of iarovization. Journ. Amer. Soc. Agron. 26; 251. Mr.1934. no.3.

Stewart, G.

Miscellaneous genetic data from wheat crosses. Journ. Amer. Soc. Agron. 26: 249-250. Mr.1934. no.3.

Wilkins, F. S. & Westover, H. L.

Turkestan alfalfa as compared with Grimm for wilt-infected soils in Iowa. Journ. Amer. Soc. Agron. 26: 213-222. Mr.1934. no.3.



Journ. Coll. Agr. Imp. Univ. Tokyo (107.6J27J)

Nchara, S.

Genetical studies on *Sesamum indicum* L.

Journ. Coll. Agr. Imp. Univ. Tokyo 12: 227-386. illus., x pl. D.1933. no.2.

Journ. Dept. Agr. Porto Rico (Rio Piedras) (8P832J)

Cook, M. T. & Otero, P. M.

Gum-producing organisms in sugar cane.

Journ. Dept. Agr. Porto Rico 17: 271-286. pl.xxi-xxii. O.1933. no.4.

Cook, M. T.

Patho-anatomy of roots attacked by nematodes.

Journ. Dept. Agr. Porto Rico 17: 315-319. pl.xxiii. O.1933. no.4.

Cook, M. T.

The pineapple disease of sugar cane in Puerto Rico. Journ. Dept. Agr. Porto Rico 17: 305-309. O. 1933. no.4.

Cook, M. T.

White spot of pineapples. Journ. Dept. Agr. Porto Rico 17: 311-313. O.1933. no.4.

May be result of weather conditions without any other agency.

Nolla, J. A. B., Guggenheim, J. S. & Roque, A.

A variety of tobacco resistant to ordinary tobacco mosaic. Journ. Dept. Agr. Porto Rico 17: 301-303. O. 1933. no.4.

Var. ambaloma.

Journ. Gen. Physiology (Baltimore) (447.8J822)

Uber, F. M. & Goddard, D. R.

Influence of death criteria on the x-ray survival curves of the fungus, *Neurospora*. Journ. Gen. Physiol. 17: 577-590. Mr.20, 1934. no.4.

Journ. Hered. (Washington) (442.8Am3)

Karper, R. E.

Maternal inheritance of chlorophyll in sorghum. Journ. Hered. 25: 49-54. illus. F.1934. no.2.

Swingle, C. F.

The easiest plant in the world to propagate.

Journ. Hered. 25: 73-74. illus. F.1934. no.2.

*Kalanchoe daigremontiana*.



Journ. Min. Agr. Gt. Brit. (10G79J)

Martin, L. D.

Spraying weeds in cereals with sulphuric acid.

Journ. Min. Agr. Gt. Brit. 40: 1129-1135. 2 pl.

Mr. 1934. no.12.

Journ. Sapporo Soc. Agr. & For. (J22.5Sol)

Enomoto, S.

On the morphological variation of the spores  
of *Ceratophorum setosum* Kirchner on culture media.

Journ. Sapporo Soc. Agr. & For. 25: 346-352.

illus. F.1934. no.117.

Japanese.

Journ. Washington Acad. Sci. (500W276J)

Steiner, G.

A new species of the nematode genus *Aphelen-*  
*choides* living in sugar cane. Journ. Washington

Acad. Sci. 24: 141-143. illus. Mr.15, 1934.

no.3.

*A. heterophallus*.

Kakteenk. Deut.Kakteen-Ges. (451D482)

Herre, H.

Neuere mesembrianthemen. Kakteenk. Deut.

Kakteen-Ges. 1934: 46-56. illus. Mr.1934. no.3.

Schwantes, G.

Die gattung *Ophthalmophyllum* Dtr. et Schwant.

Kakteenk. Deut. Kakteen-Ges. 1934: 58-60. illus.

Mr.1934. no.3.

Tischer, A.

*Ophthalmophyllum* (*Conophytum*) *friedrichiae* Dtr.  
et Schwant. Kakteenk. Deut.Kakteen-Ges. 1934:

42-45. illus. Mr.1934. no.3.

Kranke Pflanze (Dresden) (464.8K86)

Esmarch, F.

Der *Nectria*-krebbs der obstbäume. Kranke

Pflanze 11: 15-18. col.pl. F.1934. no.2.

Landw. Jahrb. Bayern (München)

Aufhammer, G. & Steigerwald, E.

Zur sortenkunde der wintergerste. Landw.

Jahrb. Bayern v.24, no.1. 68 p. illus. 1934.



- Leafl. Mycol. Research Div. Min. Agr. Egypt,  
Bahgat, M.  
The citrus canker disease. Leafl. Mycol.  
Research Div. Min. Agr. Egypt no.22. 5 p.  
4 pl. (3 col.) diagr. (fold.) 1933.
- Doss, H.  
Tomato cultivation. Leafl. Mycol. Research  
Div. Min. Agr. Egypt no.17. 10 p. 3 pl. 1932.  
Tomato diseases: p.9-10.
- Sirag el Din, A.  
Simple cures for rose diseases. Leafl.  
Mycol. Research Div. Min. Agr. Egypt no.18.  
4 p. iv pl.(2 col.) 1932.
- Minn. Hort. (Minneapolis) (81M66)  
Eide, C. J.  
Apple scab. Minn. Hort. 62: 44-45, 48.  
illus. Mr.1934. no.3.  
Control.
- Mitt. Deut. Landw. Ges. (Berlin) (18D48M)  
Schlumberger, O.  
Kartoffelkrebs und sortenfrage. Mitt. Deut.  
Landw. Ges. 49: 196-197. Mr. 1934. no.9.
- Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)  
Rauhut, G.  
Alpen-pflanzen und felsan-lagen. III-IV.  
Möller's Deut. Gärtn.-Zeit. 49:58-59, 70. F.21,28,  
1934. no.5,6.
- Uphof, J.C. Th.  
Carica papaya. Der melonenbaum im südlichen  
Florida. I. Möller's Deut. Gärtn.-Zeit. 49:  
63. illus. F.28, 1934. no.6.
- Nachr. Schädlingsbekämpfung (Leverkusen b.Köln a.Rh) (464.8N112)  
Kordes, H.  
Einige massnahmen des pflanzenschutzes im  
tomatenbau. Nachr. Schädlingsbekämpfung  
8: 137-142. illus. D.1933. no.4.
- Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)  
Die hauptsächlichen starken schäden an  
gemüsepflanzen und obstgewächse im jahre  
1933. Nachrichtenbl. Deut. Pflanzenschutzd.  
14: 26-29. maps. Mr.1933. no.3.



Nat. & Appl. Sci. Bull. Univ. Philipp. (475P532)  
Ocfomia, G.O.

The transmission of the Fiji disease of sugar  
cane by an insect vector. Nat. & Appl. Sci.  
Bull. Univ. Philipp. 3: 277-280. N.1933. no.3.

Nature (London) (412N21)  
Sreenivasaya, M.

Insect transmission of spike disease.  
Nature 133: 382. Mr.10, 1934. no.3358.

Virtanen, A. I. & Hausen, S.v.

Effect of yeast extract on the growth of  
plants. Nature 133: 383. Mr.10, 1934. no.3358.

Nature Mag. (Washington) (409.6N214)  
Laing, H. M.

Western skunk cabbage. Nature Mag. 23: 182.  
illus. Ap.1934. no.4.  
Lysichiton camtschaticense.

Northwest Science (Cheney, Washington) (470N81)  
Stillinger, C. R.

The biology and symptomology on narcissus of  
Anguillulina dipsaci Gerv. and v. Ben. in relation  
to quarantine regulations. Northwest Science  
8: 17-28. Mr.1934. no.1.

Obst- u. Gemüseb. (Berlin) (80P7750)  
Vogel, F.

Die wirkung des jods auf verschiedene gemüse-  
arten. Obst- u. Gemüseb. 80: 19-21. F.1934.  
no.2.

Ochrana Rostlin (Prague) (464.80c3)  
Kalandra, A. & Rozsypal, J.

Nekolik poznámek o puklici svestkové (Lecanium  
coryli L.) na jasanec a na ni cizopasicich houbách.  
(Einige bemerkungen über Lecanium coryli L. auf  
eschen und über die auf demselben parasitierenden  
pilze). Ochrana Rostlin 13: 153-176. illus.,  
pl. i-ii. 1933. no.5/6.  
German summary: p.175-176.

L'ortofrutticoltura Italiana (800r32)  
Egana, M.H.

Il fattore "poliembrionia" nel genere citrus.  
L'ortofrutticoltura Italiana 3: 21-25. illus.  
F.1934. no.2.



Ostenia. Coleccion de trabajos botanicos dedicados a  
Don Cornelio Osten. Montevideo, F.11, 1933. (452.40s7)

Aellen, P.

Nomenklatorische bemerkungen zu einigen  
chenopodien. In Ostenia. Montevideo, F.11,  
1933. p.98-101.

Barros, P.

La sistemática del género *Androtrichum*. In  
Ostenia Montevideo, F.11, 1933. p.178-180.

*Eriophorum montevidense* Link referred to *A.*  
*montevidense*.

Beauverd, G.

Précisions sur les *Micropsis*. In Ostenia.  
Montevideo, F.11, 1933. p.131-136. illus.

Blochwitz, A.

Tropische schimmelpilze. In Ostenia. Monte-  
video, F.11, 1933. p.87-90.  
*Aspergillus*.

Boerger, A.

Datos sobre el ciclo vegetativo y la produc-  
ción de algunos trigos de pan (*Triticum vulgare*  
Vill.) cultivados metódicamente en distintas  
épocas de siembra. In Ostenia. Montevideo,  
F.11, 1933. p.247-254.

Dutra, J.

Uma orchidacea nova do Rio Grande do Sul.  
In Ostenia. Montevideo, F.11, 1933. p.172-174.  
illus.

*Cryptophoranthus spicatus*.

Dutra, J.

Uma pteridophyta nova do Rio Grande do Sul.  
In Ostenia. Montevideo, F.11, 1933. p.5-6.  
illus.

*Anogramma osteniana*.

Fiebrig, C.

Apuntes de una excursión a Castillos, de-  
partamento de Rocha, Uruguay. In Ostenia.  
Montevideo, F.11, 1933. p.187-192



Ostenia. Coleccion de trabajos botanicos dedicados a Don Cornelio Osten. Montevideo, F.11, 1933. (cont.) Frenguelli, J.

Diatomeas de Montevideo. In Ostenia. Montevideo, F.11, 1933. p.122-130. illus.

Achnanthes osteni n.sp., var. parva, var. mesogongyla n.var.; A. herteri, Caloneis osteni n.spp.; Caloneis clevei var. uruguayensis, n.var.

Garaventa, A.

Algunas anotaciones sobre plantas con tendencias invasoras. In Ostenia. Montevideo, F.11, 1933. p.208-216.

Girola, C. D.

La toxicidad de los sorgos forrajeros y sorgos azucarados. In Ostenia. Montevideo, F.11, 1933.

Andropogon sorghum (L.) Brot. var. sudanensis, y var. saccharatum.

Goodspeed, T. H.

Notes on Nicotiana tomentosiformis (n.sp.) and N. wigandoides K. Koch & Fint. In Ostenia. Montevideo, F.11, 1933. p.309-314.

Gross, R.

Ueber die grösse einiger pflanzen auf Spitzbergen. In Ostenia. Montevideo, F.11, 1933. p.85-86.

Gustafsson, C. E.

Rubus ulmifolius Schott. In Ostenia. Montevideo. F.11, 1933. p.181-182.

Hassler, E.

Enumeratio malvacearum uruguayensium. In Ostenia. Montevideo, F.11, 1933. p.327-344.

Herter, G.

Apuntes sobre la flora del Palmar de Castillos, departamento de Rocha, república oriental del Uruguay. In Ostenia. Montevideo, F.11, 1933. p.193-204.

Herter, G.

Ensayo de una tabla sencilla decolores. Index colorum II. In Ostenia. Montevideo, F.11, 1933. p.95-97. fold.col.pl.



Ostenia. Colección de trabajos botánicos dedicados a  
Don Cornelio Osten. Montevideo, F.11, 1933. (cont.)

Herter, G.

Florula uruguayensis plantae avasculares.  
In Ostenia. Montevideo, F.11, 1933. p.7-84.  
13 pl. on 11 (8 col.)

Herter, G.

Las plantas uruguayas de Ernesto Gibert.  
Nomenclator Gibertanus II. In Ostenia. Montevideo, F.11, 1933. p.153-171.

Hoehne, F. C.

Observações e quatro novas especies arborescentes do incipiente Jardim botânico do estado de São Paulo. In Ostenia. Montevideo, F.11, 1933. p.287-308. 7 pl. (2 col.)

Capsicodendron n.gen. (C. pimonteira),  
Miconia cabucú, Trichilia paulocnsis, Chrysophyllum cuspidatum.

Kükenthal, G.

Zur kenntnis der gattung Bulbostylis. In Ostenia. Montevideo, F.11, 1933. p.175-177.

B. junciformis and varieties, B. papillosa.

Looser, G.

Excursión botánica a la Alta Cordillera de las Condes. In Ostenia. Montevideo, F.11, 1933. p.217-246. 2 pl.

In province of Santiago.

Looser, G.

Sobre las ciatoáceas chilenas y en especial sobre Lophosoria quadripinnata. In Ostenia. Montevideo, F.11, 1933. p.141-151. illus., pl.

Mattfeld, J.

Weiteres zur kenntnis der Gunnora herteri Osten. In Ostenia. Montevideo, F.11, 1933. p.102-118. illus.

Mattfeld, J.

Zur kenntnis einiger Senecio-gruppen des Ostenchen herbars aus Uruguay. In Ostenia. Montevideo, F.11, 1933. p.315-326. 3 pl.

S. ostenii spec.nov.



Ostenia. Colección de trabajos botánicos dedicados a  
Don Cornelio Osten. Montevideo, F.11, 1933. (cont.)  
Muniez, A. A.

Un árbol frutal sudamericano. In Ostenia.  
Montevideo, F.11, 1933. p.185-186.  
Carica papaya.

Niedenzu, F.

Malpighiaceae von Uruguay. In Ostenia.  
Montevideo, F.11, 1933. p.255-258.

Robinson, B. L.

Taxonomic notes on several south American  
Eupatoriums. In Ostenia. Montevideo, F.11,  
1933. p.349-358. 2 pl.  
E. ostenii spec.nov.

Seckt, H.

Sobre fenómenos de movimientos activos  
en algas del agua dulce. In Ostenia. Monte-  
video, F.11, 1933. p.259-286. illus.

Smith, L. B.

Notas on the Bromeliaceae of Uruguay. In  
Ostenia. Montevideo, F.11, 1933. p.359-362.

Standley, P. C.

Two new species of Rubiaceae from Uruguay  
and Argentina. In Ostenia. Montevideo, F.11,  
1933. p.119-121. 2 pl.  
Borreria ostenii, Relbunium ostenianum.

Urban, O.

Litorella australis Griseb. In Ostenia.  
Montevideo, F.11, 1933. p.205-207. illus.  
Also Nachtrag zur arbeit... p.345-347.

Zahlbruckner, A.

Eine neue uruguayische flechte. In Ostenia.  
Montevideo, F.11, 1933. p.152.  
Pertusaria montevidensis.

Philipp. Journ. Agr. (25P543)

Reyes, G.M., Borja, V. & Torres, J.P.

Observations on two forms of sterility in rice.  
Philipp. Journ. Agr. 4: 99-118. illus. vii pl.  
1933. no.2.



Philipp. Journ. Sci. (Manila) (475P53)

Palo, M. A.

A *Sclerotium* seed rot and seedling stem rot of mango. Philipp. Journ. Sci. 52: 237-261. 12 pl. N.1933. no.3.

Strain of *S. delphinii*.

Quisumbing, E.

The identity of *Anota violacea* and *Rhynchostylis retusa*. Philipp. Journ. Sci. 52: 271-277. 3 pl. (1 col.) N.1933. no.3.

Tanchico, S. S. & West, A. P.

Colobot essential oil from *Citrus hystrix* DC var. *torosa*. Philipp. Journ. Sci. 52: 263-267. pl. N.1933. no.3.

Plant Physiology (450P692)

Benedict, H. M. & Kersten, H.

Effect of soft-x-rays on germination of wheat seeds. Plant Physiology 9: 173-178. illus. Ja.1934. no.1.

Chrysler, H. D.

A mounts of bound and free water in an organic colloid at different degrees of hydration. Plant Physiology 9: 143-155. Ja. 1934. no.1.

Experiments with Elk kelp, *Pelagophycus porra*.

Clements, H. F.

Significance of transpiration. Plant Physiology 9: 165-172. Ja.1934. no.1.

Edwards, T. O.

Relations of germinating soy beans to temperature and length of incubation time. Plant Physiology 9:1-30. Ja. 1934. no.1.

Flint, L. H.

Hydration of solute ions in relation to acidity alkalinity, and pH. Plant Physiology. 9: 106-126. Ja. 1934. no.1.

Harrison, C. M.

Responses of Kentucky bluegrass to variations in temperature, light, cutting, and fertilizing. Plant Physiology 9: 83-105. illus. Ja.1934. no.1.

THE HISTORY OF THE  
CITY OF BOSTON

From its first settlement in 1630 to the present time, the city of Boston has been a center of commerce, industry, and culture. Its growth has been steady and continuous, and it has played a prominent part in the history of the United States. The city has been the seat of many important events, and has produced many distinguished men. Its harbor is one of the most important in the world, and its trade is one of the most extensive. The city is also a center of education, and has many of the best schools and colleges in the country. Its climate is healthy and pleasant, and its scenery is beautiful. The city is a place of interest to all who visit it, and its history is a source of pride to its people.

Plant Physiology (cont.)

Miller, E. S.

Absorption spectra of alpha and beta carotenes and leaf xanthophyll at room and liquid nitrogen temperatures. *Plant Physiology* 9: 179. Ja.1934. no. 1.

Tiedjens, V. A.

Factors affecting assimilation of ammonium and nitrate nitrogen particularly in tomato and apple. *Plant Physiology* 9: 31-57. illus. Ja.1934. no.1.

Tottingham, W. E., Stephens, H. L. & Lease, E. J.

Influence of shorter light rays upon absorption of nitrate by the young wheat plant. *Plant Physiology* 9: 127-142. illus. Ja.1934. no.1.

Tucker, L. R.

Soluble solids in the watermelon. *Plant Physiology* 9: 181-182. illus. Ja.1934. no.1.

Tukey, H. B. & Green, E. L.

Gradient composition of rose shoots from tip to base. *Plant Physiology* 9: 157-163. illus. Ja. 1934. no.1.

Experiments with *Rosa multiflora*.

Ulvin, G. B.

Chlorophyll production under various environmental conditions. *Plant Physiology* 9: 59-81. illus. Ja. 1934. no.1.

Poona Agr. Col. Mag. (22P79)

Badami, V. R. K.

X-ray as a new force in plant-breeding.

*Poona Agr. Coll. Mag.* 25: 139-143. F.1934. no.4.

Extract of lecture delivered at meeting of Colloquium, Sugarcane Res. Stat., Padegaon.

*Prakt. Blätt. Pflanzenb. u. Pflanzensch.* (Treising) (464.3P88)

Büning, K.

Die fettfleckenkrankheit der bohnen. *Prakt. Blätt. Pflanzenb. u. Pflanzensch.* 33(n.s. v.11): 265-269. illus. F.1934. no.11.

*Pseudomonas medicaginis* var. *phaseolicola*.

Weigert, J. & Weizel, H.

Ueber das Auftretender fusskrankheiten bei Getreide, vor allem bei Winterweizen, unter besonderer Berücksichtigung des Einflusses der Vorfrüchte. *Prakt. Blätt. Pflanzenb. u. Pflanzensch.* 33(n.s. v.11): 249-261. illus. F. 1934. no.11.



Proc. Imp. Acad. Tokyo (513T576)

Miyake, K., Imai, Y. & Tabuchi, K.

Genetic experiments with cosmos. II. Proc.  
Imp. Acad. Tokyo 10: 33-36. illus. Ja. 1934.  
no.1.

Proc. Wash. State Hort. Assoc. (81W273)

Gerhardt, F. & Ezell, B. D.

Handling of Jonathan apples for storage.

Proc. Wash. State Hort. Assoc. 29(1933): 100-103.  
[1934]

Smith, E., Ryall, A.L., Gross, C.R., Carter, R.H.,  
Murray, C.W. & Fahey, J.E.

The removal of lead, arsenic and fluorine  
residues from apples. Proc. Wash. State Hort.  
Assoc. 29(1933): 86-96. [1934]

Rev. Gén. Bot. (Paris) (45OR326)

Cozic,

Etude biochimique de *Bacterium xylinum*. (cont.)

Rev. Gén. Bot. 46: 75-87. F.1934. no.542.

Guilliermond, A.

Recherches cytologiques sur les pigments  
anthocyaniques et les composés osyflavoniques.

(concl.) Rev. Gén. Bot. 46: 89-127. F.1934.  
No.542.

Teodoresco, E. C.

Le développement des algues et la réfrangi-  
bilité de la lumière. I-II. Rev. Gén. Bot. 46:  
65-74. pl.i. F.1934. no.542.

Rev. Hort (Paris) (8OR32)

Chevalier, C.

A propos du *Mimulus moschatus*. Rev. Hort.  
106:32-34. F.16, 1934. no.2.

Guillaumin, A.

Une nouvelle plante grasse de Madagascar:

le *Notonia madagascariensis* Humbert. Rev. Hort.  
106: 29. illus. F.16, 1934. no.2.

Jahandiez, E.

Les plantes grasses autres que les cactées

Les aloés et genres voisins. (cont.) Rev. Hort.  
106: 40-43. illus. F.16, 1934. no.2.

Science (470Sci2)

Lipman, C. B.

Further evidence on the amazing longevity of  
bacteria. Science 79: 230-231. Mr.9; 1934. no.2045.



Science ( cont.)

Skoog, F.

The effect of x-rays on growth substance and plant growth. Science 79: 256. Mr.16, 1934. no.2046.

Young, W. J.

The United States Botanic garden. Science 79: 252-253. Mr.16, 1934. no.2046.

The arboretum of the university of Wisconsin. Science 79: 223. Mr.9,1934. no.2045.

Sci. Proc. Roy. Dublin Soc. (501D85)

Doyle, J. & O'Leary, M.

Abnormal cones of Fitzroya and their bearing on the nature of the conifer strobilus. Sci. Proc. Roy. Dublin Soc. n.s. 21: 23-35. illus., pl. i. F.1934. no.1/5.

Fitzpatrick, H. M.

The trees of Ireland, native and introduced. Sci. Proc. Roy. Dublin Soc. n.s. 20: 597-656. N.1933. no.41.

Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking. (410.9Si62)

Chang, C.

Some new species of Compositae of China.

Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking 3: 201-210. illus. F.1933. no.8.

*Crepis scaposa*, *Inula lanuginosa*, *Carpesium kweichowense*, *Hieracium tsiangii*, n.spp.

Fröderström, H.

Two new Chinese species of *Sedum*. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking. 3: 199-200. F.1933. no.8.

*S. tsiangii*, *S. onychopetalum*.

Handel-Mazzetti, H.

Plantae novae chingianae. III. Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking. 3: 185-198. F.1933. no.8.

So. African Gard. (Johannesburg) (80So87)

Plants new or noteworthy, South African plants cultivated in the National botanical gardens, Kirstenbosch, and in our readers' gardens. So. African Gard. 24: 50,55. illus. F.1934. no.2.

*Ornithogalum inclusum*, *O. angustifolium*, *O. subcoriaceum*, *O. aestivum* n.spp., *O. secundum* var. *latifolium*. n.var.



Spisan. Zemed. Opitni Inst. (Zeitschr. Landw. Versuchsst. Bulgarien) (Sofia) (106.3R32)

Khristov, A.

Edna nova bakteriina bolest po maka za opium prichiniavana ot Bacillus (Erwinia) papaveri n.sp. [Bacterial blight of poppy] Spisan. Zemed. Opitni Inst. (Zeitschr. Landw. Versuchsst. Bulgarien) 5(9/10): 1-31. viii pl. 1933.

Bulgarian with English summary.

Trifonova, V.

Petnosvane na tsvetnogo zelo. Bacterium maculicola McCulloch (The bacterial spot of cauliflower in Bulgaria) Spisan Zemed. Opitni Inst. (Zeitschr. Landw. Versuchsst. Bulgarien) 5(3/4): 45-58. illus. 1933.

Bulgarian with English summary.

La Terre Maroc. (Rabat) (24T44)

Miége, E.

Les plantes fourragères du Maroc. (cont.)

La Terre Maroc. 4(51): 9-27. illus. Mr.1,1934.

Tijdschr. Plantenz. (464.8T44)

Breekhuijzen, M. J.

Wilgenkanter, veroorzaakt door Discella carbonacea (Fries) Berk. et Br. Tijdschr. Plantenz. 40: 62-64. pl. v. F.1934. no.2.

Doyer, L. C.

De gezondheidstoestand van klaverzaad, in verband met de keuring van dit zaad en de invloed van ontsmetting op dezen toestand. Tijdschr. Plantenz. 40: 54-61. illus., pl. iii-iv. F.1934. no.2.

Tropenpfl. (Berlin) (26T75)

Freise, F. W.

Der brasilianische iguape-nussbaum.

Tropenpfl. 37: 59-64. F.1934. no.2.

Hinrichs, C. Th.

Die saatölpalme. Tropenpfl. 37: 64-71. illus. F.1934. no.2.

Schmidt, A. W. & Geupp, K.

Pflanzenöle als Dieselkraftstoffe. Tropenpfl. 37: 51-59. illus. F.1934. no.2.



Trudy Arktich. Inst. Leningrad (Trans. Arctic Inst.) (511L544T)  
Shirshov, P. P.

Ocherk raspredeleniia vodoroslei v Krestovoi  
gute na Novio Zemle (An outline of the distribution  
of algae in Krestovaya Bay on Novaya Zemlya)

Trudy Arktich. Inst. Leningrad (Trans. Arctic  
Inst.) 7: 9-39. illus. (map) 1933.

Russian with English summary.

Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci.  
URSS Ser. I, Flora et Syst. Plant. Vasc.) (451Sa21)

Borisova, A. G.

Kriticheskii obzor roda Calophaca Fisch. (Kriti-  
sche übersicht der gattung Calophaca Fisch.) Trudy  
Bot. Inst. Akad. SSSR (Acta Inst. Bot. Acad. Sci.  
URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 135-141.  
illus. (Incl.map) 1933.

Russian with Latin diagnoses of new spec. (*C. tian-  
schanica*, *C. sibirica* "in schedis" n.spp.)

Borisova, A. G.

Kriticheskii obzor roda Pseudosedum (Boriss.) Berger  
(Kritische übersicht der gattung Pseudosedum)

Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad.  
Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 105-  
116. illus. (incl.map) 1933.

Russian with Latin diagnoses (*P. longidentatum*,  
*P. condensatum*, *P. tuchanicum*, *P. Ferganense*, *P. fed-  
tschenkoanum*, *P. campanuliflorum*, n.spp.)

Borisova, A. G.

Novyi rod ilia flory Srednei Azii (Eine für die  
flora Mittel-Asien neue gattung) Trudy Bot. Inst.

Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS  
Ser. I, Flora et Syst. Plant. Vasc.) 1: 133-134.  
1933.

Russian with very brief German summary.

*Hippocrepis biflora*.

Fedchenko, B. A. & Neviskii, S. A.

Novye vidy roda Hieracium L. (Einige neue arten  
der gattung Hieracium L.) Trudy Bot. Inst. Akad.  
Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I,  
Flora et Syst. Plant. Vasc.) 1: 207-211. 1933.

Russian with Latin diagnoses of new species (*H.  
almantense*, *H. dublitzkii*, *H. kumbelicum*, *H. cuxinum*)

Goncharov, N. F.

Novyi vid roda Orobanche L. iz Turkmenii (Eine  
neue art der gattung Orobanche L. aus Turkmenien)

Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot.  
Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.)  
1: 173-174. 1933.

Latin diagnosis (*O. ariana*.)



Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant Vasc.) (Cont.)

Goncharov, N. F.

Novyi vid roda *Scutellaria* L. iz Srednei Azii (Eine neue art der gattung *Scutellaria* aus Mittel-Asien) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 171-172. 1933.

Latin diagnosis (*S. striatella*)

Goncharov, N. F.

Novye vidy roda *Swertia* L. (Zwei neue arten der gattung *Swertia* L.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 161-163. 1933.

Latin diagnoses (*S. graciliflora*, *S. erosula*)

Grigor'ev, Iu. S.

Novye vidy roda *Polygonum* L. iz Srednei Azii (Neue arten der gattung *Polygonum* aus der flora Mittel-Asiens). Trudy Bot. Inst. Akad. SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 101-104. 1933.

In Latin (*P. coriarium*, *P. bucharicum*, *P. arianum*)

Hammerman, A. F., Nikitin, A. A. & Nikolæva, T. L.

Rodovye mikroskopicheskie priznaki listvennykh drevesin SSSR (Mikroskopische gattungsmerkmale Russischer laubholzer). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I Flora et Syst. Plant. Vasc.) 1: 59-96, illus. 1933.

Russian with German summary.

Iljin, M. M.

Dva novykh vida nagolovatok (Two new species of the genus *Jurinea* L.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 185-186. 1933.

Latin diagnoses (*J. woronowii*, *J. stenophylla*)

Iljin, M. M.

Kriticheskii obzor Sredneaziatskikh predstavitelei roda *Rhaponticum* DC (A critical review of the genus *Rhaponticum* DC in the region of Asia Media). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 203-206. 1933.

Russian with Latin diagnoses (*R. sulcatense*, *R. namanganicum* n.spp.)



Trudy Bot. Inst. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) (cont.) Juzepchuk, S. V.

Novye vidy roda Alchimilla L. (Beschreibung neuer arten der gattung Alchimilla L.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 117-131. 1933.

Russian with Latin diagnoses.

Juzepchuk, S. V.

O novom vide roda Damasonium Juss. (Ueber eine neue art der gattung Damasonium Jous.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 97-100. illus. 1933.

Russian with German summary and Latin diagnosis (D.constrictum)

Knorring, O. E.

Novyi vid roda Lagochilus Bge. (Eine neue art der gattung Lagochilus Bge.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 169-170. illus. 1933.

Latin diagnosis (L. subhispidus.)

Krasheninnikov, I. M.

Novye slozhnotsvetnye Azii (Neue Compositae Asiens) Trudy Bot. Inst. Akad. Nauk. SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 175-184. 1933.

Russian with Latin diagnoses.

Nevskii, S. A.

Agrostologischeskie otiudy (Agrostologische etuden). IV. Ueb r das system der tribe Hordeaceae Denth. Trudy Bot. Inst. Akad. Nauk SSS (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 9-32. 1933.

Russian with German Summary.

Wikitin, S. A.

Gornye vidy roda Tragopogon L. Srednei Azii (Die Tragopogon-arten der gebirge Mittel-Asiens) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. I, Flora et Syst. Plant. Vasc.) 1: 191-201. 1933.

Russian with Latin diagnoses of new species (T. krascheninnikovii, T. angustissimum, T. turkestanicum, T. songoricum, T. paradoxum)



Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc. (Cont.) Palibin. I. V.

K izucheniiu iskopdemiio flory Ashutasa (Contribution à l'étude de la flore fossile de l'Achoutass)  
Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 1: 33-38. 1933.

Russian with French summary.

Poiarkova, A. I.

Botaniko-geograficheskii obzor klenov SSSR v sviazi s istoriei vsego roda Acer L. (Botanico-geographical survey of the maples in USSR, in connection with the history of the whole genus Acer L.)

Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 1: 225-374. illus. (incl. maps), xiv maps. 1933.

Russian with English summary.

Poiarkova, A. I.

Novye i maloizvestnye vidy roda Acer L. (Neue und wenig bekannte arten der gattung Acer L.)

Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 1: 143-155. illus. 1933.

Russian with German summary and Latin diagnoses (Acer assyriacum, A. persicum, A. stevenii, A. subintegrum n.sp.)

Rodin, L. E.

Novyi vid oduvanchika (Eine neue art der gattung Taraxacum L.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 1: 187-190. illus. 1933.

Russian with Latin diagnosis (T.kok-saghyz)

Rusanov, F. N.

K sistematike Apocynum L. s.l. (Zur systematik von Apocynum venetum) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 1: 165-168. 1933.

Russian with Latin diagnoses of new species (A. scabrum, A. lancifolium).

Tamanshian, S.

Novyi dia SSSR rod Actinoloma Fenzl (Eine neue fur U.d. S.S.R. gattung Actinoloma Fenzl) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 1: 157-160. illus. 1933.

Russian with German summary.







Trudy Bot.Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant Crypt.) (cont.)

Gutner, L. S.

Griby - parazity opranzhereinykh rastenii gorodov Leningrada i Detskogo Sela (Die parasitischen pilze der gewächshauspflanzen in Leningrad und Det-skoje SSelo). Trudy Bot.Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II Plant Crypt.) 1: 285-323. ii pl. 1933.

Russian with German summary and Latin diagnoses of new species. Arranged by hosts.

Kosinskaja, E. K.

Kriticheskiĭ spisok presnovodnykh vodoroslei sob-rannykh V.P. Savichen v Arkticheskoi pravitel'stven-noĭ ekspeditsii 1930 g. (Kritisches verzeichnis der im jahre 1930 während der Arktischen staatsexpedition von V.P. Savicz gesammelten süßwasser-algen) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 35-52. vi pl. incl. map. 1933.

Russian with German summary incl. Latin diagnoses of new species and varieties.

Kuprevich, V. F.

Vidy Thekopsora na vidshne i cheremukhe (Die ar-ten Thekopsora auf Prunus cerasus L. und Prunus pa-dus L.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 405-409. 1933.

Russian with German summary.

T. psuedo-cerasi, T. padi.

Lebedeva, L. A.

Griby i miksomitsety Sovetskoi Karelii (Fungi et Myxomycetes Kareliae Rossicae). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 329-403. 1933.

Russian with German summary and Latin diagnoses of new species (Ascospora botrychii, Trichophysalospe-ra saviczii, Clitopilus jaczewskii, Phomopsis hera-clei, Stagonospora tofjeldiae.)

Leont'ev, A. M.

Sfagnovye mkhi Sysol'skogo raiona avtonomnoĭ ob-lasti Komi (Die torfmoose des Ssysolsk kreises der autonomen provinz Komi) Trudy Bot.Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 247-252. 1933.

Russian with German summary.



Trudy Bot.Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant Crypt.) (cont.)

Morochkovskii, S. F.

Novye griby Ukrainy (Neue pilze der Ukraine)  
Trudy Bot.Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant Crypt.) 1: 275-279. illus. 1933.

Russian with Latin diagnoses.

Nine new species collected about Kiev.

Nikolaeva, T. L.

O nekotorykh gribkakh, vstrechaiushchikhsia na kauchukonosakh iz roda Chondrilla (Ueber einige auf den vertretern der gattung Chondrilla vorkommende pilze). Trudy Bot.Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 263-266. illus. 1933.

Russian with German summary.

Leveillula taurica, f. chondrillae, Puccinia chondrillina, Phomopsis lactucae f. chondrillae, Falcispora chondrillae (n.sp.) Latin diagnosis of latter.

Nikol'skii, P. N.

Novinki dlia flory lishainikov Kamchatki (Neue flechten für die flora Kamtschatkas) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant Crypt.) 1: 261-262. 1933.

Russian with German summary.

Petrov, M. P.

Neskol'ko novykh vidov iz gruppy nesovershennykh gribov Gor'kovskogo kraia (Einige neue arten aus der gruppe der fungi imperfecti gesammelt im vormaligen gouv. Wjatka) Trudy Bot.Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 281-284. 1933.

Russian with German summary and Latin diagnoses of new species (Phoma aquilegiicola, P.galiorum, P. thalictri, Aposphaeria silenes, Rhabdospora bunyadiis, R. carlinae, Coniothyrium aconiti)

Savicz, L.I.

Dicranum robustum Blytt na Sakhaline. Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 243-246. illus. 1933.

Russian with German summary.



Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant Crypt.) (cont.)

Savicz, V. P.

Neskol'ko lishainikov s Shantarских ostrovov (Einige flechten der Schantar-inseln (Ochotskisches meer). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 259. 1933.

Russian with brief German summary.

Shirshov, P. P.

Ocherk fitoplanktona reki Tulomy (Zur kenntnis des phytoplanktons des flusses Tuloma). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, 1: 97-114. 1933.

Russian with German summary.

Shirshov, P. P.

Sravnitel'nyi ocherk tsenozov reofil'nykh vodoroslei R. Tulomy i nekotorykh drugikh vodoemov (Vergleichende Übersicht der comose der rheophilalgen im flüsse Tuloma und verschiedenen anderen wasserbecken) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 65-88. ii pl. 1933.

Russian with German summary.

Shirshov, P. P.

Zametka o reofil'nykh vodorosliakh reki Strelki (okrestnosti Leningrada) (Notiz über die reophilalgen des flusses Strelka (umgegen von Leningrad) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant Crypt.) 1: 93-95. 1933.

Russian with very brief German summary.

Tran shel, V.

Novye vidy rzhavchinnykh gribov iz Sibiri (Uredinalium species novae ex Sibiria) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant Crypt.) 1: 267-273. illus. 1933.

Latin diagnoses (Uromyces ustalis, Puccinia phyl-lachoroides, P. isopyri, P. baicalensis, P. murash-kinskii, P. ivanitzkiae, Phragmidium boreale, n.sp., Puccinia lapponicum subsp.(?) P. jennissejensis)

Troitskaia, O. V.

K morfologii i sistematike protokokkovykh vodoroslei (Ueber die morphologische variabilität bei den Protococcales). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.II, Plant. Crypt.) 1: 115-224. ix pl. 1933.

Russian with German summary.



Trudy Bot. Inst. Akad.Nauk SSSR (Acta Inst Bot. Acad. Sci.  
URSS Ser.II, Plant Crypt.) (cont.)

Voronikhin, N. N.

Zemlaka o tsistakh khrizomonad v planktone rek Nevvy  
i Bol'shoi Nevki (Notiz über chrysomonadencysten im  
plankton der flüsse Nawa und Boljschaja Newka)

Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad.  
Sci.URSS Ser.II, Plant, Crypt.) 1: 7-10. illus.  
1933.

Russian with German summary.

Trudy Tsentr.Nauchno-Issl. Khim. Pishch. Sred.Mark SSSR  
(Schrift. Zentr. Forschungsinst. Lebensmitt.-chem.) (3899M85)

Gudlet, M. A.

O belke shliapnykh gribov (Ueber das pilzen-  
eiwisses der hutpilze). Trudy Tsentr. Nauchno-  
Issl.Khim. Pishch. Sred. Mark. SSSR (Schrift. Zentr.  
Forschungsinst. Lebensmitt.-chem.) 4: 8-19. 1933.

Russia. with German summary.

U. S. Dept.Agr. Ext. Path.  
Elliott, C.

The present status of bacterial wilt of sweet  
corn. U.S. Dept. Agr. Ext. Path. 11: 9-11.

F. 1934.

Mimeographed.

U. S. Dept. Agr. Techn. Bull. (1Ag84Te)  
Caldwell, J. S.

Hydrion concentration changes in relation to  
growth and ripening in fruits. U.S. Dept. Agr.  
Techn. Bull. 403. 53 p. F. 1934.

Wood, M. N.

Pollination and blooming habits of the  
Persian walnut in California. U. S. Dept. Agr.  
Techn. Bull. 387. 56 p. illus. Ja.1934.

U. S. Dept. Agr. Miscellaneous mimeographed publications.  
Pieters, A. J.

An extra early strain of Korean Lespedeza.  
Washington, D.C., F.1934.

L. stipulacea.

Mimeographed publ. from Div. Forage Crops &  
Diseases, U.S. Dept. Agr.



U. S. Dept. Agr. Miscellaneous mimeographed publications (cont.)

Westover, H. L.

Ladak alfalfa. Washington, D. C., F. 1934.

Mimeographed publ. from Div. Forage Crops and Diseases, U. S. Dept. Agr.

Vict. Nat. (Melbourne.) (410V66)

Barrett, C.

An orchid picture gallery. Vict. Nat. 50:  
225-228. illus. F.1934. no.10.

Mr. T. Green's collection of stereo-photographs  
of Australian orchids.

Nicholls, W. H.

A new species of the genus *Thelymitra*, Forst.  
Vict. Nat. 50: 219. col.pl.xxxv. F.1934. no.10,  
*Thelymitra murdochae*.

Nicholls, W. H.

Our rarer orchids. 9. *Thelymitra nuda*, R. Br.  
Vict. Nat. 50: 236-238. illus. F.1934. no.10.

Pescott, E. E.

Orchids of sunshine. Vict. Nat. 50: 219-224.  
pl.xxxvi-xxxviii. F.1934. no.10.

*Thelymitra*.

Rupp, H. M. R.

A new species of *Calochilus*. Vict. Nat.  
50: 239-240. illus. F.1934. no.10.

*Calochilus grandiflorus*.

Virginia Fruit (81V81B)

Groves, A. B.

Early spraying and scab control. Virginia  
Fruit 22(3): 12-14. Mr.1934.

Wingard, S. A.

Control of peach leaf curl in orchards where  
fruit buds have been killed. Virginia Fruit  
22(3): 14. Mr.1934.

Wingard, S. A.

Winter injury to fruit trees. Virginia Fruit  
22(3): 8-12. Mr.1934.



Yearbk. Bur. Entom. Chekiang (Hangchow) (C423.92C44Y)  
Chu, H.

Observations on the physiological characters  
of *Phoma glumarum*, the causal fungus of grain-  
blight of rice-plant. Yearbk. Bur. Entom.  
Chekiang 1932: 192-198. illus. Ag.1933.  
Chinese with brief English abstract.

Chu, V.

Notes on the presence of *Sclerotinia miyabe-  
ana* in China, with special reference to the com-  
parison of this fungus with *Sclerotinia arachi-  
dis*. Yearbk. Bur. Entom. Chekiang 1932: 1-  
58. incl. viii pl. Ag.1933.

Two distinct fungi causing stem rot of peanut.

Zeitschr. Pflanzenernähr, Düng. u. Bodenk. A. Wiss. Teil.  
(Leipzig) (384Z343A)

Grundmann, W.

Die Wasseraufnahme der pflanzen durch die  
blätter. Zeitschr. Pflanzenernähr. Düng. u.  
Bodenk. A. Wiss. Teil. 33: 88-90. 1934. no.1/2.

Schmalfuss, K.

Beobachtungen über wasserhaushalt und wasser-  
verbrauch von kalimangelndem hafer. Zeitschr.  
Pflanzenernähr. Düng. u. Bodenk. A. Wiss. Teil.  
32:28-38. 1934. no.1/2.

Schropp, W.

Die eisenversorgung der pflanzen bei wasser-  
kulturversuchen. Zeitschr. Pflanzenernähr. Düng.  
u. Bodenk. A. Wiss. Teil 33: 38-79. illus. no.1/2.  
1934.

Der Züchter (Berlin) (442.8Z8)

Rave, L.

Heterosis beim tabak. Der Züchter 6: 25-30.  
F. 1934. no.2.

Schick, R.

Ueber einige für den pflanzenzüchter interess-  
ante mutanten von *Antirrhinum majus*. Der Züchter  
6: 30-33. illus. F.1934. no.2.

Schiemann, E.

Zur geschichte der lupine in Deutschland.  
Der Züchter 6: 33-39. illus. F.1934. no.2.



Exp. Stat. Publ.

Clinton, G. P. & Singleton, W. R.

Stewart's bacterial wilt on sweet corn.  
Connecticut Agr. Exp. Stat. Circ. 96: 25-36.  
illus. F.1934. (100C76St)

Connecticut Agricultural experiment station.

Botany. In its Rep.1932/33 (Bull.357): 122-  
123. Ja.1934 (100C76St)

Late blight of tomato, Dutch elm diseases,  
Chestnut blight, Stewart's bacterial disease.

Dunlap, A. A.

Late blight of tomatoes. Connecticut Agr.  
Exp. Stat. Circ. 98: 43-46. illus. Mr.1934. (100C76St)

A new peach trouble. Connecticut Agr. Exp.  
Stat. In Its Rep.1932/33 (Bull.357): 137-138.  
Ja.1934 (100C76St)

Cause undetermined. Characterized by premature  
yellowing and ripening of foliage on part of  
branches at midseason or later and usually by fall-  
ing of leaves and fruit from these particular branches.

Johnston, S.

Some promising and unpromising new peach  
varieties. Michigan Agr. Exp. Stat. Quart.  
Bull. 16: 185-188. F.1934. no.3. (100M58S)

Goss, R. W. & Frink, P. R.

Cephalosporium wilt and die-back of the white  
elm. Nebraska Agr. Exp. Stat. Res. Bull. 70.  
24 p. illus. Ja.1934 (100N27)

Gloyer, W. O.

Crown gall and hairy root of apples in nursery  
and orchard. New York Agr. Exp. Stat. Bull. 638.  
30 p. illus. Ja.1934(100N48)

Kertesz, Z. I.

The oxidase system of non-browning yellow  
peach. New York Agr. Exp. Stat. Techn. Bull. 219.  
14 p. D.1933(100N48)

Nebel, B. R.

Chromosome structure in Tradescantiae. V.  
Optical analysis of a somatic telophase chromosome.  
New York Agr. Exp. Stat. Techn. Bull. 220. 9 p.  
illus., col. pl. D.1933. (100N48)



Exp. Stat. Publ. (cont.)

Yeager, A. F.

Tomato breeding. North Dakota Agr. Exp.  
Stat. Bull. 276. 20 p. illus. N.1933 (100N813)

State Publications

Butterfield, H. M.

Bush berry culture in California. California  
Agr. Ext. Serv. Circ. 80. 53 p. illus. D.1933.  
(275.29C12C)

This Circ. supersedes Ext. Circ.25, Bush Fruit  
Culture in California, by A.H. Hendrickson.

NEW BOOKS

Dewar, A. H.

Dry rot. Some experiments in the development,  
treatment and eradication of dry rot in floors.  
London. The linoleum and floorcloth manufacturers'  
association, 1933. (300D51)

Green, G. R.

Trees of North America (exclusive of Mexico)  
vol. 1. Conifers. Ann. Arbor, 1933. (454G82)  
Mimeographed.

Khristov, A.

"Sēchenoto" na iglolistniia razsad i sred-  
stvata za borba s nego (The damping-off of  
coniferous seedlings and its control). Sofiia,  
Kooperativna pechatnitsa "Gutenberg" 1934. (464.07K52)  
Bulgarian with English summary([2] p.)  
Reprinted from the Journal "Gorski pregled"  
XIX, (9-12), 1933.

Komarov, V. L. ed.

Flora URSS (Flora Unionis rerumpublicarum  
sovieticarum socialisticarum). v.1. Leningrad,  
Editio Academiae scientiarum URSS, 1934. (459.2L54)  
Russian.

Stevens, G. A.

Garden flowers in color. A picture cyclo-  
pedia of flowers. New York, Macmillian Co.,  
1934. (96.025St43)

Thurston, V.

The use of vegetable dyes for beginners.  
Leicester, England, The Dryad press, 1930. (306T42)  
British dye plants: p.13-28.



New Books (cont.)

Wehmeyer, L. E.

The genus *Diaporthe* Nitschke and its segregates. Ann Arbor, University of Michigan press, 1933 (c1934) (University of Michigan studies. Scientific series vol. IX) (462.05W42)

Zade, A.

Pflanzenbaulehre für landwirte. Berlin, P. Parey, 1933. (452.8Z1)

Reprints from publications not yet rec'd or not available.

Akemine, M.

Kinds of crop plants under cultivation in the world. Reprinted from Agr. & Hort. (Japan) 8: 19-75. 1933.

Japanese with English summary: p.73.

Barry, G.

Russian science explores the world. Separate from Travel 62(5): 12-16, 47-48. illus. Mr.1934. (452.9B27)

Some account of Michurin's work.

Bovey, P.

Floraison et frutification des arbres fruitiers. Reprint from Rev. Hort. Suisse no.10. 10 p. illus. O.1933.

Thung, T. H.

Smetstof en plantengen bij enkele virusziekten van de tabakspiant. Reprint from Nederl.-Indisch. Natuurwetensch.Congres 6th, 1931, Handl., p.450-463. pl.



lc  
**BOTANY**  
CURRENT LITERATURE

LIBRARY  
RECEIVED

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

★ APR 17 1934 ★  
U. S. Department of Agriculture

Vol. 16, no. 7.

Mar. 26-Apr. 7, 1934.

- Agr. & Live-stock, India. (Calcutta) (22Ag83A)  
Banerjee, B.N., Karmarkar, D. V. & Row, G. R.  
Investigations on the storage of mangoes.  
Agr. & Live-stock, India 4: 36-53. Ja. 1934. no.1.
- Agron. Colon. (Paris) (26Ag812)  
Bouriquet, G.  
Les maladies du caféier à Madagascar. Agron.  
Colon. 23: 42-48. F. 1934. no.194.
- Amer. Journ. Bot. (450Am36)  
Karling, J. S.  
Dendrograph studies on *Achras zapota* in re-  
lation to the optimum conditions for tapping.  
Amer. Journ. Bot. 21: 161-193. illus. Ap. 1934.  
no.4.
- Smith, G. H.  
Anatomy of the embryonic leaf. Amer. Journ.  
Bot. 21: 194-209. illus. Ap. 1934. no.4.
- Amer. Potato Journal. (75.8P842)  
MacLeod, D. J. & Howatt, J. L.  
Soil treatment in the control of certain soil-  
borne diseases of potatoes. Amer. Potato Journ.  
11: 60-61. Mr. 1934. no.3.
- Ann. Ecole. Nat. Agr. Montpellier (105.3M76)  
Bonniol, J. & Kuhnoltz-Lordat, G.  
Un cas de fanaison d'allure apoplectique sur  
une jeune plantation de pêchers. Ann. Ecole Nat.  
Agr. Montpellier. n.s.22: 325-330. illus. [1934]  
no. 4.



Ann. Ecole Nat. Agr. Montpellier (cont.)

Branas, M. & Bernon, G.

Note sur deux cas de dépérissement et leur relation avec la présence de certains champignons dans le vieux bois de la vigne. Ann. Ecole Nat. Agr. Montpellier n.s., 22: 331-334. [1934] no.4.

Lagatu, H. & Maume, L.

Recherches sur le diagnostic foliaire.

Ann. Ecole Nat. Agr. Montpellier n.s., 22: 257-306. [1934] no.4.

Ann. Gembloux (Brussels) (13G28)

Hacquart, A.

A propos de sisal. Ann. Gembloux 40: 116-123. Mr. 1934. no.3.

Ann. Inst. Pasteur. (Paris) (448.3An75)

Bertrand, G. & Andreitcheva, M.

Sur la teneur comparée en zinc des feuilles vertes et des feuilles étiolées. Ann. Inst. Pasteur 52: 249-251. Mr. 1934. no.3.

Ann. Chim. Appl. (Roma) (385An7)

Muccorini, R.

La mannite nelle olive. Ann. Chim. Appl. 24: 20-25. Ja. 1934. no.1.

Muccorini, R.

Presenza della norleucina nei semi di Ricinus communis L. Ann. Chim. Appl. 24: 25-32. Ja. 1934. no.1.

Ann. Missouri Bot. Gard. (St. Louis) (451M69)

Darlington, J.

A monograph of the genus Mentzelia. Ann. Missouri Bot. Gard. 21: 103-226. pl. 4-6. F. 1934. no.1.

Goodman, G. J.

A revision of the North American species of the genus Chorizanthe. Ann. Missouri Bot. Gard. 21: 1-102. illus., pl. 1-3. F. 1934. no.1.

Eriogonella n.gen. (*E. membranacea* (Benth.)  
*E. spinosa* (Wats.)



Ann. Missouri Bot. Gard. (cont.)

Steyermark, J. A.

Studies in Grindelia. I. New species, varieties, and combinations of Grindelia. Ann. Missouri Bot. Gard. 21: 227-230. F; 1934. no.1.

Ann. Rep. Counc. Scient. & Indust. Res. Australia (514Au72An)  
Australia. Council for scientific and Industrial research.

Plant investigations. In its Ann. Rep. 7(1932/33):21-26. 1933.

Including plant diseases.

Arch. Zool. Exp. et Gén. (Paris) (410Ar24)

Hollande, A. Ch.

Remarques au sujet de la structure cytologique de quelques cyanophycées. Arch. Zool. Exp. et Gén. 75: 145-184. illus., col. pl.ii. Mr.30, 1933. no.8.

Homès, M. V.

Recherches sur la perméabilité cellulaire des algues marines. Arch. Zool. Exp. et Gén. 75: 75-101. illus. F.15, 1934. no.5.

Ark. Bot. (Stockholm) (451Sv2)

Borge, O.

Schwedisch-chinesische wissenschaftliche expedition nach den nordwestlichen provinzen Chinas unter leitung von Dr. Sven Hedin und Prof. Sü Pingchang. Ark. Bot. v.25, no.17. 18 p. 2 pl. 1934(S.11, 1933)

Algen, gesammelt von schwedischen arzt der expedition, Dr. David Hummel.

Florin, R.

Die spaltöffnungsapparate der Williamsonia-, Williamsoniella- und Wielandiella-Blüten (Bennettitales). Ark. Bot. v.25, no. 15. 20 p. illus. pl. 1934(S.13, 1933).

Florin, R.

Ueber Nilssoniopteris glandulosa n.sp., eine bennettitacee aus der juraformation Bornholms. Ark. Bot. v.25, no.20. 19 p. illus. 2 pl. 1934(S.13, 1933)



Ark. Bot. (cont.)

Florin, R.

Zur kenntnis der paläozoischen pflanzengattungen  
*Lesleya* Lesquereux und *Megalopteris* Dawson. Ark.  
Bot. v.25, no.19. 23 p. illus., 3 pl. 1934.  
(S.14, 1933).

Malme, G. O. A.

Die gattung *Schistogyne* Hook. et Arn.  
Ark. Bot. v.25, no.14, 15 p. illus. 1934 (Ag.14,  
1933)

Naumann, E.

Notizen zur ökologie der süßwasseralgen. V.  
Ueber algenaufwuchs an *Leptomitus lacteus* (Roth)  
C. A. Agardh. Ark. Bot. v.25, no.18. 4 p.  
illus., pl. 1934 (Jl.13, 1933)

Palm, B. T.

On parasitic and epiphyllous algae. II. *Stoma-*  
*tochroon*, a genus of stomaticolous *Chrooclepidaceae*.  
Ark. Bot. v.25, no.16, 16 p. illus. 1934 (O.6, 1933)

Redinger, K.

Die graphidineen der ersten Regnell'schen  
expedition nach Brasilien 1892-94. I. *Glyphis*,  
*Medusulina* and *Sarcographa*. Ark. Bot. v.25, no.13.  
20 p. illus., pl. 1934 (Ag.17, 1933)

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Bachmann, E.

Scheingallen auf *Physcia stellaris* (L.) Nyl.  
Ber. Deut. Bot. Ges. 52: 80-86. illus. F.22, 1934.  
no.1.

Bergdolt, E.

Zur geschichte der botanik im Orient. II. Ueber  
einige pfropfungen. Ber. Deut. Bot. Ges. 52: 37-  
94. pl. ii. F.22, 1934. no.1.

Germ, H.

Ueber den mycorrhizaprotoplasten der orchid-  
een. Ber. Deut. Bot. Ges. 52: 26-42. illus.  
F.22, 1934. no.1.

Heinricher, E.

Zur frage der artbildung bei *Cytinus hypo-*  
*cistis* nebst anderen bemerkungen. Ber. Deut.  
Bot. Ges. 52: 48-53. F.22, 1934. no.1.



Ber. Deut. Bot. Ges. (cont.)

Markgraf, F.

Genetische beziehungen der Mittelmeerflora.  
Ber. Deut. Bot. Ges. 52: 68-79. illus. F.22,  
1934. no.1.

Moissejewa, M.

Einfluss der veränderung der geotropischen  
lage der zwiebelwurzel auf die verteilung der  
mitosen in der selben. Ber. Deut. Bot. Ges.  
52: 6-15. F.22, 1934. no.1.

Zur theorie der mitogenetischen strahlung.

Prät, S.

Die erblichkeit der resistenz gegen kupfer,  
Ber. Deut. Bot. Ges. 52: 65-67. illus. F.22,  
1934. no.1.

Vorläufige mitteilung.

Roberg, M.

Weitere untersuchungen über die stichstoff-  
ernährung der erle. Ber. Deut. Bot. Ges. 52:  
54-64. pl. i. F.22, 1934. no.1.

Steiner, M.

Die kryoskopische bestimmung des osmotischen  
wertes der bodenlösung. Ber. Deut. Bot. Ges. 52:  
16-25. F.22, 1934. no.1.

Wulff, H. D.

Untersuchungen an pollenkörnern und pollen-  
schläuchen von *Impatiens parviflora*. Ber. Deut.  
Bot. Ges. 52: 43-47. illus. F.22, 1934. no.1.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y. & Hashimoto, A.

Untersuchungen über flechtenstoffe.  
XXXVI-XXXVII. Ber. Deut. Chem. Ges. 67: 411-416,  
416-420. 1934. no.3.

XXXVI. Ueber fumar-protocetrarsäure. XXXVII.  
Ueber die konstitution des sphaerophorins.

Biochem. Zeitschr. (Berlin) (384B522)

Deleano, N. T. & Dick, J.

Eine neue methode zur bestimmung des chloro-  
phylls. Biochem. Zeitschr. 268: 317-321.  
F.25, 1934. no.4/6.



Biochem. Zeitschr. (cont.)

Iljin, G.

Die umwandlung des nicotins beim reifen der tabaksamen. Biochem. Zeitschr. 268: 253-259. F.25, 1934. no.4/6.

Der Biologe (München) (442.8B527)

Graebner, P.

Die wichtigste floristische literatur Deutschlands. Der Biologe 3: 65-71. Mr.1934. no.3.

Blumen u. Pflanzenb. (Berlin) (80B623)

Rehneit, F.

Das ulmensterben in anderem lichte. Blumen u. Pflanzenb. 38: 146. Mr.16, 1934. no.11.

Bot. Gaz. (Chicago) (450B652)

Allen, W. E.

Marine plankton diatoms of Lower California in 1931. Bot. Gaz. 95: 485-492. illus.(map) Mr.1934. no.3.

Billings, F. H.

Male gametophyte of *Atriplex hymenelytra*.

Bot. Gaz. 95: 477-484. illus. Mr.1934. no.3.

Birkeland, J. M.

Serological studies of plant viruses. Bot.

Gaz. 95: 419-436. Mr. 1934. no.3.

Flowers, S.

Vegetation of the Great Salt Lake region.

Bot Gaz. 95: 353-418. Mr.1934. no.3.

Graham, R.

Pennsylvanian flora of Illinois as revealed in coal balls. I. Bot. Gaz. 95: 453-476, illus., pl. viii-ix. Mr.1934. no.3.

McVeigh, I.

Vegetative reproduction in *Camptosorus rhizophyllus*. Bot. Gaz. 95: 503-510. illus. Mr. 1934. no.3.



Bot. Gaz. (cont.)

Nightingale, G. T.

Ammonium and nitrate nutrition of dormant delicious apple trees at 48° F. Bot. Gaz. 95: 437-452. Mr. 1934. no.3.

Sherff, E. E.

A study in the genus *Tetramolopium* Nees (family: Compositae). Bot. Gaz. 95: 498-502. Mr. 1934. no.3.

*T. filiforme*, *T. polyphyllum*, *T. rockii* n.spp.

Thomson, R. B. & Hull, K. L.

Physical laws and the cellular organization of plants. Bot. Gaz. 95: 511-514. illus. Mr. 1934. no.3.

Tilden, J. E.

Standardization of method for drawing algae for publication. Bot. Gaz. 95: 515-518. illus. Mr. 1934. no.3.

Tukey, H. B.

Anomalous embryos of cultivated varieties of *Prunus* with particular reference to fruit breeding. Bot. Gaz. 95: 493-497. illus. Mr. 1934. no.3.

Brit. Guiana Dept. Agr. Div. Rep. (9.6B774D)

Martyn, E. B.

Report of the botanical and mycological division for the year 1932. British Guiana Dept. Agr. Div. Rep. 1932: 115-121. 1934.

Bull. Agence Gén. Colon. France. (Paris) (260C71B)

Castagne, E.

Sur la composition chimique des fruits de deux *Dialium*. Bull. Agence Gén. Colon. France 26: 1315-1323. pl. N. 1933. no.296.

Bull. Dept. Agr. United Prov. Agra & Oudh. (Allahabad) (22N81)

Dey, P. K.

The red rot of sugarcane. Bull. Dept. Agr. United Prov. Agra & Oudh. 66. 4 p. pl. 1933.

Bull. Jard. Bot. Duitenzorg (89D86B)

Sakhuizen van den Brink, R. C.

Orqanchaceae in India *Datava orientali* crescentes. Bull. Jard. Bot. Duitenzorg III, 13; 77-90. illus. D.1933. no.1.

Contributions a l'étude de la flore des Indes Néerlandaises XXIII.



Bull. Jard. Bot. Buitenzorg (cont.)

Boedijn, K. D.

The genera *Phillipsia* and *Cookeina* in Netherlands India. Bull. Jard. Bot. Buitenzorg III, 13: 57-76. illus. D.1933. no.1.

Boedijn, D. B.

Ueber einige phragmosporen dematiaseen.  
Bull. Jard. Bot. Buitenzorg III, 13: 120-134.  
illus. D. 1933. no.1.  
*Curvularia* nov.gen.

Posthumus, O.

Second note on ferns from Java. Bull. Jard. Bot. Buitenzorg. III, 13: 91-98. D.1933. no.1.

Skottsberg, C.

The Philydraceae of Netherlands India.  
Bull. Jard. Bot. Buitenzorg III, 13: 110-113.  
D.1933. no.1. -  
Contributions a l'étude de la flore des Indes Néerlandaises. XXVIII.

Steenis, C.G.G.J.van

Corynocarpaceae - Ceratophyllaceae - Zygophyllaceae - Droseraceae. Bull. Jard. Bot. Buitenzorg III, 13: 99-101, 102-103, 104-105, 106-109. illus. D. 1933. no.1.

Contributions a l'étude de la flore des Indes Néerlandaises XXIV, XXV, XXVI, XXVII.

Steenis, C. G. G. J. Van.

The interpretation of the locality "Andor"  
Bull. Jard. Bot. Buitenzorg. III, 13: 114-116.  
illus. (map) D. 1933. no.1.  
Andor may be Condor, an island S. W. of Indo-China.

Steenis, C.G.G.J. van

Report of a botanical trip to the Rantau region, South Sumatra. Bull. Jard. Bot. Buitenzorg III, 13: 1-56. illus. (incl. maps), pl.1. D.1933. no.1.

Steenis, C.G.G.J. van

Validity of publications. Bull. Jard. Bot. Buitenzorg III, 13: 117-119. D.1933. no.1.



Bull. Jard. Bot. Etat Bruxelles (89B83)

Boulenger, G. A.

Revision des roses d'Asie de la section des  
Synstylae. Bull. Jard. Bot. Etat Bruxelles  
9: 203-279. D.1933. no.4.

Frémy, P.

Seconde contribution a le flore algologique du  
Congo Belge d'après les récoltes du R.P.H. Vanderyst.  
Bull. Jard. Bot. Etat Bruxelles 9: 323-347. illus.  
D. 1933. no.4.

Lebrun, J.

Revision des espèces congolaises du genre *Cynometra*  
Linn. Bull. Jard. Bot. Etat Bruxelles 9: 281-303.  
D. 1933. no.4.

*C. dacremonii* n.sp.

Normand, D.

Note sur les bois d'*Enantia* (annonacées).  
Bull. Jard. Bot. Etat Bruxelles 9: 317-322. pl.iv.  
D. 1933. no.4.

Robyns, W. & Ghesquière, J.

Revision du genre *Enantia* Oliv. (annonacées).  
Bull. Jard. Bot. Etat Bruxelles 9: 303-316. D.1933.  
no.4.

*E. lebrunii*, *E. atrocyanescens*, *E. olivacea*,  
*E. kwiluensis* n.spp.

Bull. Mens. Soc. Linn. Lyon (505L992B)

Bachrach, E. & Jouvent, A.

Sur la pigmentation bleue de certaines diatomées  
Bull. Mens. Soc. Linn. Lyon 2: 36-37. Mr. 1933.  
no.3.

Gombault, R.

Und reconnaissance botanique dans le Djebel-el-  
Amiri (Syrie du Nord). Bull. Mens. Soc. Linn.  
Lyon 2: 157-161. D.1933. no.10.

Kühner, R.

A propos du genre *Melanophyllum* Velenovsky.  
Bull. Mens. Soc. Linn. Lyon 2: 75-77. My.1933.  
no.5.

*Melanophyllum canali* & *M. collarium*=*Lepiota*  
*echinata*.



Bull. Mens. Soc. Linn. Lyon (cont.)

Queney, S.

Note sur la flore de l'Atlas de Blida (Algérie)

Bull. Mens. Soc. Linn. Lyon 2: 137-138. N.1933.  
no.9.

Queney, S.

Note sur la flore des environs d'Alger.

Bull. Mens. Soc. Linn. Lyon 2: 120-122. O.1933.  
no.8.

Queney, S.

Note sur *Mercurialis ambigua* L. ses variations.

Bull. Mens. Soc. Linn. Lyon 2: 89-91. J.1933.  
no.6.

Vandendries, R.

Nouveau critère spécifique des basidiomycètes.

Bull. Mens. Soc. Linn. Lyon 2: 105-108. J.1933. no.7.

Bull. Min. Agr. Gr. Brit. (10G794B)

Great Britain. Ministry of agriculture & fisheries

Fruit production: soft fruits. Its Bull. 4.

63 p. illus. 1934.

Bull. Soc. Bot. France (Paris) (451F84B)

Benoist, R.

Contribution à la connaissance des *Barleria*  
malgaches (acanthacées). Bull. Soc. Bot. France  
80: 789-790. F.26, 1934. no.9/10.

*B. leandri* n.sp.

Benoist, R.

Nouvelles espèces du genre *Strobilanthes*.

Bull. Soc. Bot. France 80: 730-732. F.26, 1934.  
no.9/10.

*S. pierrei*, *S. microcephalus*, *S. evrardi*, *S.*  
*petelotii*, *S. sulfureus*.

Bourdouil, C.

Sur quelques anomalies héréditaires de la  
fleur de *Pisum sativum* L. Bull. Soc. Bot. France  
80: 831-833. illus. F.26, 1934. no.9/10.

Braun-Blanquet, J.

L'association végétale climatique, unité  
phytosociologique et le climax du sol dans le  
Midi méditerranéen. Bull. Bot. Soc. France  
80: 715-722. F.26, 1934. no.9/10.



Bull. Soc. Bot. France (cont.)

Braun-Blanquet, J.

Genre nouveau et espèces nouvelles pour la flore de France et leur signification phyto-historique. Bull. Soc. Bot. France 80: 823-829. F.26, 1934. no.9/10.

Bugnon, P.

Accélération basifuge et phylogénie des plantes à graines. Bull. Soc. Bot. France. 80: 826-833. F.26, 1934. no.9/10.

In reply to Dauphiné "Au sujet d'une critique...."

See also his Dernière réponse: p.840-841.

Burrollet, P. A.

Note sur le *Carpobrotus acinaciformis* (L.) L. Bol. et sur le *Carpobrotus edulis* (L.) L. Bol. Bull. Soc. Bot. France 80: 722-726. F.26, 1934. no.9/10.

Camus, A.

Description d'espèces nouvelles appartenant aux genres *Agropyrum*, *Cenchrus* et *Tristachya*. Bull. Soc. Bot. France 80: 773-775. F.26, 1934. no.9/10.

*A. pachyrrhizum*, *C. leptacanthus*, *T. coarctata*.

Chevalier, A.

Nouvelles observations sur les *Spartina* et spécialement sur le *S. townsendi*. Bull. Soc. Bot. France 80: 779-788. pl.viii. F.26, 1934. no.9/10.

Chemin, E.

Sur le mode de reproduction de *Gymnogongrus griffithsiae* Mart. et de quelques espèces du même genre. Bull. Soc. Bot. France 80: 755-770. illus. F.26, 1934. no.9/10.

Dauphiné, A.

Au sujet d'une critique récente de l'accélération basifuge. Bull. Soc. Bot. France. 80: 834-836. F.26, 1934. no. 9/10.

Refers to Bugnon's criticism of Chauveaud's "L'appareil conducteur des plantes vasculaires..." Bugnon's criticism appeared in Bull. Sci. de Bourgoyne v.3, 1933.

See also his Nouvelles observations... p.339 (in response to Bugnon's Accélération basifuge...)"



Bull. Soc. Bot. France (cont.)

Deflandre, G.

Formations énigmatiques du squelette chez quelques silicoflagellés. Bull. Soc. Bot. France 80: 809-814. pl.ix-x. F.26, 1934. no.9/10.

Dop, P. & Gaussen, H.

Sur une solanée américaine en Vendée. Bull. Soc. Bot. France 80: 732-734. F.26, 1934. no.9/10.  
*Solanum rostratum*.

Gaussen, H.

Coup d'oeil sur la végétation des Pyrénées de l'Ariège, de Cerdagne et de l'Aude. Bull. Soc. Bot. France 80: 841-848. F.26, 1934. no.9/10.

Gaussen, H.

Note sur les endémiques pyrénéo-cantabriques dans la région orientale des Pyrénées. Bull. Soc. Bot. France 80: 849-855. F.26, 1934. no.9/10.

Gavaudan, P. & Gavaudan, Mme. N.

Quelques remarques sur la cytologie des oscillariées. Bull. Soc. Bot. France 80: 706-712. pl.v. F.26, 1934. no.9/10.

Jovet, P.

Le *Trichomanes radicans* (Sw.) et l'*Hymenophyllum tunbridgense* (Sm.) en Pays basque français. Bull. Soc. Bot. France 80: 797-809. illus. F.26, 1934. no.9/10.

Killian, C. & Faurel, L.

Observations sur la pression osmotique des végétaux désertiques et subdésertiques de l'Algérie. Bull. Soc. Bot. France 80: 775-778. F.26, 1934. no.9/10.

Lefèvre, M.

Etude comparative du comportement de la membrane au moment de la division chez quelques algues unicellulaires. Bull. Soc. Bot. France 80: 790-797. illus. F.26, 1934. no.9/10.



Bull. Soc. Bot. France (cont.)

Le Brun, P.

Contribution à l'étude de la flore du sud-est de la France (cont.) Bull. Soc. Bot. France 80: 770-773. F.26, 1934. no.9/10.

Lemée, G.

Etudes phytogéographiques sur les plaines jurassiques normandes. II. Les buttes calloviennes des environs d'Alençon. Bull. Soc. Bot. France. 80: 814-823. F.26, 1934. no.9/10.

Mugnier, L.

Roses de Bourgogne et du Jura. Bull. Soc. Bot. France. 80: 727-730. F.26, 1934. no.9/10.

Pellegrin, F.

Les Pachylobus (burséracées) de la Côte d'Ivoire. Bull. Soc. Bot. France 80: 712-715. illus. F.26, 1934. no.9/10.  
P. deliciosa (Haematostaphis barteri A. Chev.)

Sauvage, C.

Aperçu sur la végétation du Zerhoun. Bull. Soc. Bot. France 80: 742-755. map. F.26, 1934. no.1/10.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9Sol25)

Maire, R.

Cinquième contribution à l'étude de la flore du Sahara occidental Bull. Soc. Hist. Nat. Afr. Nord 25: 10-20. Ja. 1934. no.1.

Bull. Soc. Vaud. Sci. Nat. (Lausanne) (508L37)

Meylan, C.

Recherches sur les myxomycètes du Jura 1930-31-32. Bull. Soc. Vaud. Sci. Nat. 58: 81-90. illus. 1933. no.233.

Bull. Torr. Club. (451T63B)

Bergner, A. D. & Blakeslee, A. F.

Cytology of a translocation of the 1 2 chromosome in *Datura*. Bull. Torr. Club. 61: 197-209. illus. Ap. 1934. no.4.



Bull. Torr. Club. (cont.)

Gleason, H. A. & Smith, A. C.

Plantae krukovianae. II. Bull. Torr. Club.  
61: 191-196. Ap.1934. no.4.

Livingston, B. E.

Possible importance of respiration water  
to young wheat seedlings. Bull. Torr. Club.  
61: 217-223. Ap.1934. no.4.

Meier, D.

A cytological study of the early infection  
stages of the black rot of cabbage. Bull. Torr.  
Club 61: 173-190. pl.9-12. Ap.1934. no.4.

Weatherwax, F.

Flowering and seed production in *Amphicarpum*  
*floridanum*. Bull. Torr. Club. 61: 211-215.  
illus. Ap.1934. no.4.

Calif. Citrogr. (Los Angeles) (30C125)

Johnston, J. C.

Experiments in mottle leaf control. Calif.  
Citrogr. 19: 148, 159. Ap.1934. no.6.

Citrus Indust. (Tampa, Fla.) (30C49)

Barrett, C. A.

"Copper leaf" not a new disease. Citrus  
Indust. 15(3): 3. Mr.1934.

Compt. Rend. Acad. Sci. Paris (505P21)

Corsin, P.

Caractères du *Gremmatopteris rigolleti* B.  
Renault. Compt.Rend. Acad. Sci. Paris 193:  
1062-1064. Mr.13, 1934. no.11.

Costantin, J.

Extériorisation des dégénérescences par  
l'action de l'altitude. Compt. Rend. Acad.  
Sci. Paris 193: 1095-1097. Mr.19, 1934. no.12.

Dauphiné, A

Différents modes d'épaississement de la mem-  
brane chez les plantes vasculaires. Compt. Rend.  
Acad. Sci. Paris. 11: 1064-1066. Mr.12, 1934.  
no.11.



Compt. Rend. Acad. Sci. Paris (cont.)

Davy de Virville, A.

Observations et expériences sur les variations de l'alcalinité dans les flaques littorales.

Compt. Rend. Acad. Sci. Paris 193: 1178-1179.

Mr.19, 1934. no.12.

Emberger, L.

La végétation du massif des Sakszour (Grand-Atlas occidental) Compt. Rend. Acad. Sci. Paris

193: 968-970. Mr.5, 1934. no.10.

Gosset, A., Magrou, J. & Tchakirian, A.

Action de divers éléments sur les tumeurs bactériennes du Pelargonium. Compt. Rend. Acad. Sci.

Paris 193: 1097-1100. Mr. 19, 1934. no.12.

Hamet, R.

Sur la présence de faisceaux surnuméraires exclusivement libériens dans du parenchyme cortical des Echeveria. Compt. Rend. Acad. Sci. Paris

193: 1169-1170. Mr.19, 1934. no.12.

Janot, M. M.

Action des hormones cristallisées femelles sur le développement de quelques végétaux. Compt.

Rend. Acad. Sci. Paris 193: 1175-1178. Mr.19, 1934. no.12.

Joyet-Lavergne, Ph.

Sur la sexualisation cytoplasmique chez les levures à conjugaison hétérogamique. Compt. Rend.

Acad. Sci. Paris. 193: 1071-1073. Mr.12, 1934. no.11.

Lefèvre, M.

Sur la division et l'élongation des cellules dans le genre Closterium Nitzsch. Compt. Rend.

Acad. Sci. Paris 193: 1166-1168. Mr.19, 1934. no.12.

Maige, A.

Remarques sur le métabolisme du noyau et des plastes dans les cellules végétales. Compt. Rend.

Acad. Sci. Paris 193: 971-973. Mr.5, 1934. no.10.



Compt. Rend. Acad. Sci. Paris. (cont.)

Manzoni, L. & Puppo, A.

Sur la transpiration du blé en fonction des facteurs du climat. Compt. Rend. Acad. Sci. Paris. 198: 1066-1068. Mr.12, 1934. no.11.

Maublanc, A. & Roger, L.

Une nouvelle rouille du caféier au Cameroun. Compt. Rend. Acad. Sci. Paris. 198: 1069-1070. Mr.12, 1934, no.11.

*Uredo coffeicola*.

Prat, H.

Remarques sur les caractères épidermiques des espèces américaines du genre *Agropyrum* P. B.

Compt. Rend. Acad. Sci. Paris 193: 1170-1172. Mr.19, 1934. no.12.

Simonet, M.

Sur la régularité de la réduction chromatique et la parfaite constitution pollinique d'un hybride entre espèces à nombres inégaux et aneuploïdes de chromosomes (*Iris autosyndetica* nob.) Compt. Rend. Acad. Sci. Paris. 198: 1173-1175. Mr.19, 1934. no.12.

Compt. Rend. Congr. Nancy 1932 Union Intern. Inst. Rech. For. Coster, C.

Wuchs und form des wurzelsystems tropischer holzarten und sträucher. (Growth of the root system of tropical woody and shrubby species). Compt. Rend. Congr. Nancy 1932 Union Intern. Inst. Rech. For. p.545-552. illus. 1933.

English & French summaries.

Delevoy, G.

L'emploi du chlorate de soude comme herbicide. (Use of sodium chlorate as weed-destroyer).

Compt. Rend. Congr. Nancy 1932 Union Intern. Inst. Rech. For. p. 600-604. 1933.

German and English summaries.

Korstian, C. F.

Physico-chemical properties of leaves and leaf sap as indices of the water relations of forest trees. Compt. Rend. Congr. Nancy 1932 Union Intern. Inst. Rech. For. p.312-325. 1933.

German and French summaries.



Current Science (Bangalore) (475Sci23)

Anandan, M.

Effect of environment on owing in rice.

Current Science 2: 284-285. illus. F.1934. no.8.

Balaji Rao, T. K.

Partial sterility in the first generation plants of crosses between wide varieties of the common egg plant (*Solanum melongena*). Current Science 2: 285-286. illus. F.1934. no.8.

Cheema, G. S. & Bhat, S. S.

A study of the citrus varieties of the Bombay Presidency. Current Science 2: 298-304. illus. (map) F.1934. no.8.

Deut. Landw. Presse (Berlin) (18D482)

Feucht, W.

Blitzschlagschaden an zu futterrüben

Deut Landw. Presse 61: 122. illus. Mr.10,1934. no.10.

Roth, H.

Fortschritte der Deutschen kartoffelzucht,

Deut.Landw. Presse 61: 119. illus. Mr.10,1934. no.10.

Dokl. Adad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Dubrunov, L. G.

Osobennosti rosta konopli pri nedostatochnom kolichestve pitale'nykh veshchestv v pochve (Growth peculiarities of hemp as a result of a lack of nutritive substances in the soil) Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1: 281-286. F.11, 1934. no.5.

Russian with English summary.

Kolomiets, I. A.

K voprosu o "kriticheskom periode" u pshenits

(On "critical period" in development of wheat)

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1: 272-280. illus, F.11, 1933. no.5.

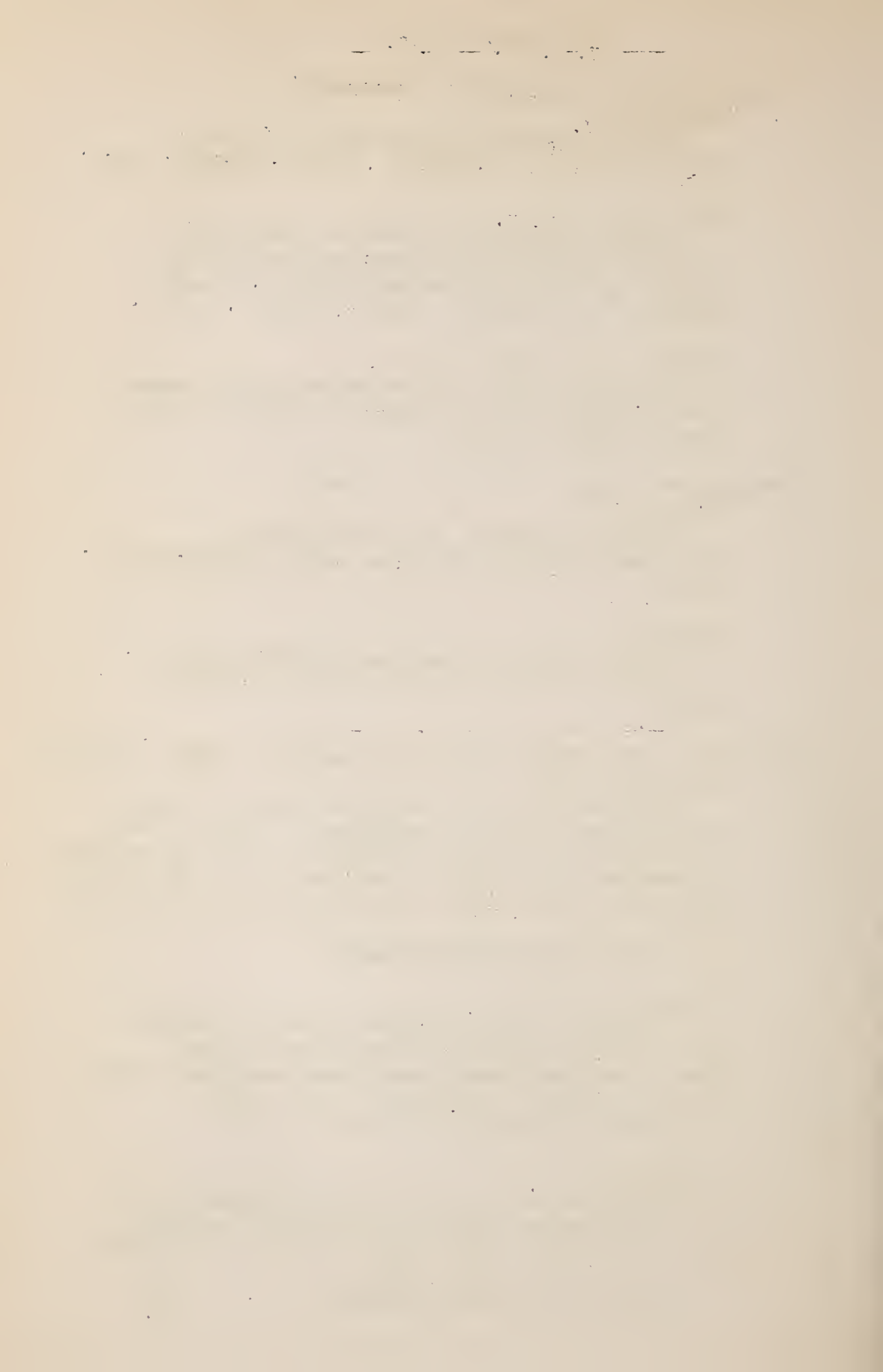
Russian with English summary.

Kostov, D.

Eksperimental'noe poluchenie poligenomnykh gibridov (Polygenom hybrids experimentally produced)

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n. s. 1: 217-222. F.11,1933.

Russian with English summary.



Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (cont.)  
Novikov, V. A.

Nakoplenie kauchuka v korniakh tau-sagyza kak rezul'tat ottoka iz list'ev (The accumulation of rubber in the roots of tau-sagyz as a result of its disappearance from the leaves). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1: 205-209. F.1, 1934. no.4.

Russian with English summary.

Sabinin, D.

Obmennaiâ adsorbtsiia na kornevykh sistemakh (Exchange adsorption in root systems) Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1; 136, 138-139. Ja.1934. no.3.

Russian and English.

Sabinin, D.

O vliianii tekhniki i srokov vneseniâ udobrenii na prirodu rastenii (On the influence of the technique and time of the introduction of fertilizers on the nature of plants). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1: 137-138, 139-140. Ja. 1934. no.3.

Russian and English. Experiments with maize.

Shkol'nik, M.

K fiziologicheskoi roli bora (On the physiological role of boron) Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1: 141-146. Ja.1934.

Soldatenkov, S. V. & Kubli, M. G.

Vliianie etilovogo spirta na sozrevanie tomato (The effect of ethyl alcohol on the ripening of tomatoes). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1: 85-90. 1934.

Russian and English.

Tsivinskii, V. I.

O kholodostoikosti khlopchatnika (Capacity of cotton to withstand cold). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1: 147-150. Ja. 1933. no.3.

Russian and English.



Econ. y Técn. Agr. (Spain) (Madrid) (15Ec7)

Garcia Romero, A.

Las semillas. III. Semillas puras, distintas clases de impurezas. Determinación de la pureza de una muestra de semilla. Idem del origen o procedencia. Identidad botánica. Econ. y Técn. Agr. (Spain) 3: 9-12. illus. Ja.1934. no.21.

Mas Guindal, J.

Las plantas parásitas. Econ. y Técn. Agr. (Spain) 3: 23-26. illus. Ja. 1934. no.21.

Fauna & Flora (Uppsala)

Euler, H. v.

Omsötrönnbärens halt av C-vitamin. Fauna & Flora 1933: 231-233. no.5.  
Sorbus aucuparia dulcis

Flor. Exch. (N.Y.) (80F666)

Robb, H. C. sr.

The purpose and interpretation of plant patent law. Flor. Exch. 82(14): 11, 14-15. Ap.7, 1934.

Wyman, D.

Winter injury of trees and shrubs. Flor. Exch. 82(14): 23,24. Ap.7, 1934.

Forstarchiv. (Hannover) (99.8F7723)

Rohde, T.

Das weitere vordringen der Rhabdoclineschütte in Deutschland. Forstarchiv. 10: 68-69. illus. (map) Mr.1, 1934. no.5.

Fruit World Australasia (Melbourne) (80F948)

Pollination of Packham's triumphpear.

Fruit World Australasia 35: 63. F.1, 1934. no.2.

Report of investigations of R.E.P. Dwyer & F.T. Bowman, N.S.W. Dept. of agriculture.

Summer "spot" on pears. Successful control methods demonstrated. Fruit World Australasia 35: 74-75. F.1, 1934. no.2.

Summary of report of Mr. S. Fish in charge of investigations of Dept. agriculture, Victoria.

Williams, W. J.

The cold storage of apples (cont.) Fruit World Australasia 35: 77-78. F.1, 1934. no.2.



Gard. Chron. (London) (80G162)

Balls, E. K.

Plant collecting in Persia. VI. Kuh-i-Lalhezar.

Gard. Chron. III, 95: 180-181. illus. Mr.17,  
1934. no.2464.

Balls, E. K.

Some coastal plants around Trebizond. Gard.

Chron. III, 95: 163. illus. Mr.10,1934. no.2463.

Behaviour of garden plants. XII. Sea buckthorn.

Gard. Chron. III, 95: 155. Mr.10,1934. no.2463.

Hippophaë rhamnoides.

Grove, A.

Lilium brownii. Gard. Chron. III, 95: 164-

165. illus. Mr.10,1934. no.2463.

Ingwersen, W.

High alpine Ranunculi. Gard. Chron. III, 95:

162-163. Mr.10,1934. no.2463.

Vernalization: A new method of shortening the  
vegetative period of plants. (concl.) Gard. Chron.  
III, 95: 183-184. Mr.17, 1934. no.2464.

Warne, L.G.G.

Rootstocks for apples. Gard. Chron, III,

95: 164. Mr.10, 1934. no.2463.

Weston, T. A.

Antirrhinum rust. Gard. Chron. III, 95:

178. Mr.17, 1934. no.2464.

William Cuthbertson, V.M.H.

Gard. Chron. III,

95: 187. port. Mr.17, 1934. no.2464.

Gartenfl. (Berlin) (80G19)

Ilnitzky, R.

Die spatzen und das ulmensterben. Gartenfl.

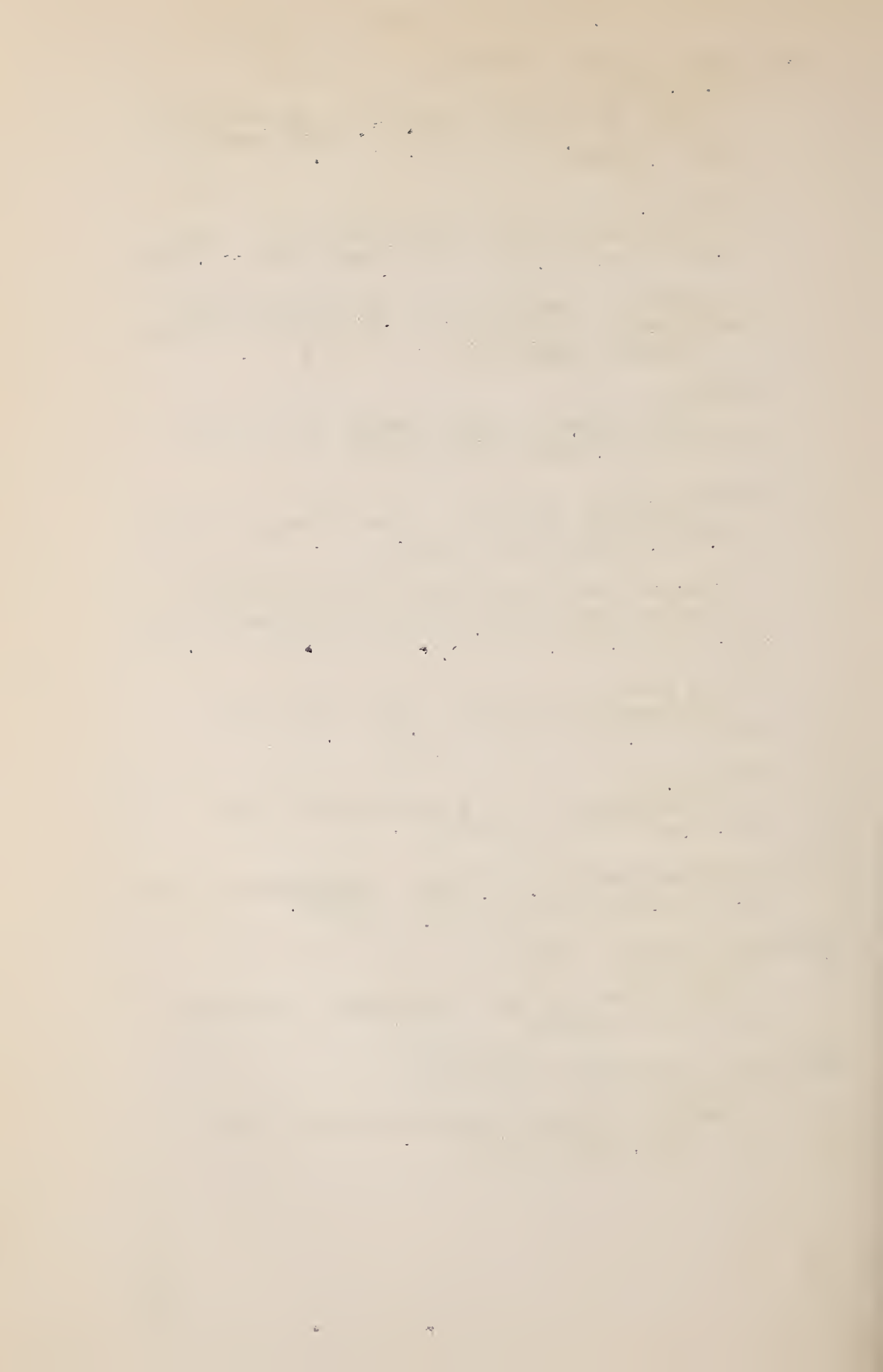
83: 76-77. Mr.1934.

Gartn.-Tid. (København) (80G192)

Paludan, H.

Moderne champignonkultur. Gartn.Tid. 50: 163-

166. Mr.20,1934. no.12.



Gentes herbarum (450B15)

Bailey, L. H.

Certain northern blackberries. In his Gentes herbarum 3: 245-271. illus. Mr.15, 1934. no.5.

Rubus bigelovianus, R. honorus, R. impar, R. tennesseanus n.spp.

Bailey, L. H.

The species of grapes peculiar to North America. In his Gentes herbarum 3: 149-244. illus. Mr.15, 1934. no.4.

Vitis sola n.sp.

Hereditas (Lund) (442.8H42)

Fagerlind, F.

Beiträge zur kenntnis der zytologie der rubiaceen. Hereditas 19: 223-232. illus. 1934. no.1/2.

Heilborn, O.

On the origin and preservation of polyploidy. Hereditas 19: 233-242. 1934. no.1/2.

Lamprecht, H.

Beiträge zur genetik von Phaseolus vulgaris. VII-VIII. Hereditas 19: 163-176, 177-222. illus. 1934. no.1/2.

English summary.

VII. Zwei weitere gene für sameneigenschaften.  
VIII. Ueber farbenverteilung und vererbung der teilfarbigkeit der testa.

Nilsson, F.

Studies in fertility and inbreeding in some herbage grasses. Hereditas 19: 1-162. 1934. no.1/2.

Hojas Divulg. Serv. Publ. Agr. Dir. Gen. Agr. y Montes. Spain.  
Más y Guindal, J. (15H68)

El muerdago (Planta parasita). Hojas Divulg. Serv. Publ. Agr. Dir. Gen. Agr. y Montes. Spain 27(24): 1-5. illus. D. 1933.



Indian For. (Dehra Dun) (99.8In2)

Gorrie, R. M.

Recent studies on tree roots. Indian For.  
60: 179-185. Mr. 1934. no.3.

Indian Journ. Agr. Sci. (Calcutta) (22Ag83I)

Afzal, M. & Hutchinson, J. B.

The inheritance of "lintless" in Asiatic  
cottons. Indian Journ. Agr. Sci. 3: 1124-1132.  
D. 1933. no.6.

Ayyar, V. R. & Balasubrahmanyam, R.

Inheritance of pollen colour in Asiatic  
cottons. Indian Journ. Agr. Sci. 3: 1116-1123.  
col.pl.xcii. D.1933. no.6.

Ayyangar, G. N. R., Wariar, U. A. & others.

Inheritance of characters in ragi, Eleusine  
coracana (Gaertn.) The finger millet, VII-VIII.  
Indian Journ. Agr. Sci. 3: 1072-1079, 1080-1084.  
pl. lxxxi. D. 1933. no.3.

VII. Fist-like earheads. VIII. Earhead colour  
factors.

Bose, R. D. & Joglekar, R. G.

Studies in Indian pulses. 6. The root systems  
of green and black grams. Indian Journ. Agr. Sci.  
3: 1045-1056. pl. lxxvii-lxxviii. D.1933. no.3.

Dastur, R. H. & Pirzada, A. R.

The relative growth rate, the carbohydrate  
contents and the yield of the rice plant (*Oryza*  
*sativa* L.) under different treatments. Indian  
Journ. Agr. Sci. 3: 963-1012. D. 1933. no.6.

Krishna Ayyar, P. N.

Further experiments on the root-gall nematode,  
*Heterodera marioni* (Cornu) Goodey in south India.  
Indian Journ. Agr. Sci. 3: 1064-1071. pl. lxxix-  
lxxx. D.1933. no.6.

Mehta, K. C.

Rusts of wheat and barley in India. A study  
of their annual recurrence, life-histories and  
physiologic forms. Indian Journ. Agr. Sci.  
3: 939-963. map, pl.lxxv. D.1933. no.6.



Indian Journ. Agr. Sci. (cont.)

Panje, R. R.

*Saccharum spontaneum* L. A comparative study of the forms grown at the Imperial sugarcane breeding station, Coimbatore. Indian Journ. Agr. Sci. 3: 1013-1044. illus., pl.lxxvi. D. 1933. no.6.

Roy, B.

Studies in the development of the female gametophyte in some leguminous crop plants of India. Indian Journ. Agr. Sci. 3: 1098-1107. pl. lxxxiv-xci. D.1933. no.6.

*Pachyrhizus angulatus*, *Cajanus indicus*, *Dolichos lablab*, *Pisum sativum* and *Lathyrus sativus*.

Intern. Bull. Plant Prot. (464.8In8)

Dey, P. K.

India: A disease of guava fruits in the United Provinces. Intern. Bull. Plant Prot. 8: 30. F. 1934, no.2.

*Colletotrichum psidii*.

Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) (Leningrad) (511Sa2B)

Krasil'nikov, N. A.

Образование рас у *Sporobolomyces philippovi* n.sp. (Rassenbildung bei *Sporobolomyces philippovi*)  
Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) VII  
Sér. Cl. Sci. Math. et Nat.) 1933: 1469-1491.  
illus. no.10.

Russian with German summary.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Meyer, W.

Bau und beanspruchung des leitungssystems einiger krautiger pflanzen. Jahrb. Wiss. Bot. 79: 385-405. F. 1934. no.3.

Mosebach, G.

Die fruchstielschwellung der oxalidaceen und geraniaceen. Jahrb. Wiss. Bot. 79: 353-384. illus. F.1934. no.3.

Roberg, M.

Ueber den erregere der wurzelknöllchen von *Alnus* und den elaeagnaceen *Elaeagnus* und *Hippophäë*.  
Jahrb. Wiss. Bot. 79: 472-494. F.1934. no.3.

Strugger, S.

Beiträge zur physiologie des wachstums. I. Zur protoplasmaphysiologischen kausalanalyse des streckungswachstums. Jahrb. Wiss. Bot. 79: 406-471. illus. F. 1934. no.3.



Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)

Leonard, C. S. & Arthur, J. M.

The reputed influence of ultraviolet light on the yield of *Digitalis* glucosides. Journ. Amer. Pharm. Assoc. 23: 224-228. Mr.1934. no.3.

No significant difference between plants grown under glass having a higher ultraviolet transmission & those grown under ordinary window glass.

Journ. Bacteriol. (Baltimore) (448.3J82)

Duggar, B. M. & Hollaender, A.

Irradiation of plant viruses and of microorganisms with monochromatic light. I-II.

Journ. Bacteriol. 27: 219-239, 241-256. illus. Mr.1934. no.3.

I. The virus of typical tobacco mosaic and *Serratia marcescens* as influenced by ultraviolet and visible light. II. Resistance to ultraviolet radiation of a plant virus as contrasted with vegetative and spore stages of certain bacteria.

Journ. Bot. (London) (450J82)

Albrecht, J. H.

Synopsis of the European species of *Pogonatum* and *Polytrichum*. Journ. Bot. 72: 75-80. illus. Mr. 1934. no.855.

Praeger, R. L.

The standing of certain plants in Ireland. Journ. Bot. 72: 68-75. Mr. 1934. no.855.

Rendle, A. B.

Dukinfield Henry Scott (1854-1934). Journ. Bot. 72: 83-88. Mr.1934. no.855.

Thompson, A.

New moss records. 1-2. Journ. Bot. 72: 81-83. Mr.1934. no.855.

1. New Vice-county records for *Sphagna*, mostly North country. 2. New moss records for Moray and Inverness.

Westbrook, M. A.

*Antithamnion spirographidis* Schiffner. Journ. Bot. 72: 65-68. illus. Mr.1934. no.855.



Journ. Coun. Sci. & Industr. Res. Austral. (Melbourne) (514Au72J)

Dadswell, H. E. & Eckersley, A. M.

A note on the wood structure of *Acradenia frankliniae* Kipp. Journ. Coun. Sci. & Industr. Res. Austral. 7: 39-42. illus. F.1934. no.1.

Thomas, J. E.

The diagnostic value of the chlorine content of the vine leaf. Journ. Coun. Sci. & Industr. Res. Austral. 7: 29-38. illus. F.1934. no.1.

Journ. Ecol. (Cambridge, Engl.) (450J829)

Bates, G. H.

The relation of leaf size to root structure in *Trifolium repens*. Journ. Ecol. 22: 271-278. pl. xxiii-xxiv. F.1934. no.1.

Buxton, L. H. Dudley

The willows of the western part of the Isle of Wight. Journ. Ecol. 22: 304-305. F.1934. no.1.

Clements, F. E.

The relict method in dynamic ecology. Journ. Ecol. 22: 39-68. pl.i-v. F.1934. no.1.

Davis, T. A. W. & Richards, P. W.

The vegetation of Moraballi Creek, British Guiana: an ecological study of a limited area of tropical rain forest. II. Journ. Ecol. 22: 106-155. illus., pl.xii-xiv. F. 1934. no.1.

Michelmore, A. P. G.

Botany of the Cambridge expedition to Edge Island, S. E. Spitsbergen, in 1927. II. The vegetation. Journ. Ecol. 22: 156-176. pl. xv-xvii. F.1934. no.1.

Michelmore, A. P. G.

Vegetation succession and regional surveys, with special references to tropical Africa. Journ. Ecol. 22: 313-317. F.1934. no.1.

Rayner, M. C.

The mycorrhiza of conifers: A review. Journ. Ecol. 22: 308-312. F.1934. no.1.



Journ. Ecol. (cont.)

Robbins, C. R.

Northern Rhodesia; an experiment in the classification of land with the use of aerial photographs. Journ. Ecol. 22: 88-105. illus. (maps), pl.vi-xi, fold.map. F. 1934. no.1.

Growth types: p.97-103; List of species [with scientific and native names]: p. 104-105.

Scott, J. D.

Ecology of certain plant communities of the Central Province, Tanganyika Territory. Journ. Ecol. 22: 177-229. illus., pl. xviii-xxii. F. 1934. no.1.

Stamp, L. D.

Vegetation formulae. Journ. Ecol. 22: 299-303. F.1934. no.1.

Watt, A. S.

The vegetation of the Chiltern Hills, with special reference to the beechwoods and their seral relationships. Journ. Ecol. 22:230-270. illus. (incl.map) F. 1934. no.1.

Wood, J. G.

The physiology of xerophytism in Australian plants. The stomatal frequencies, transpiration and osmotic pressures of sclerophyll and tomentose-succulent leaved plants. Journ. Ecol. 22: 69-87. F. 1934. no.1.

Journ. Genetics (London) (442.8J823)

Huskins, C. L. & Smith, S. G.

Chromosome division and pairing in *Fritillaria meleagris*: The mechanism of meiosis. Journ. Genetics 28: 397-406. illus. Mr.12, 1934. no.3.

Huskins, C.L. & Smith, S. G.

A cytological study of the genus *Sorghum* Pers. II. The meiotic chromosomes. Journ. Genetics 28: 387-395. illus. Mr.12, 1934. no.3.

Hutchinson, J. B.

The genetics of cotton. X. The inheritance of leaf shape in Asiatic *Gossypiums*. Jour. Genetics 28: 437-513. illus., 4 tab. Mr.12, 1934. no.3.



Journ. Genetics (cont.)

Lindegren, C. C.

The genetics of Neurospora. V. Self-sterile bisexual heterokaryons. Journ. Genetics 28: 425-435. Mr.12, 1934. no.3.

Skovsted, A.

Cytological studies in cotton. II. Two inter-specific hybrids between Asiatic and new world cottons. Journ. Genetics 28: 407-424. illus. Mr.12, 1934. no.3.

Journ. Indian Inst. Sci. (Madras) (513In2)

Iyengar, A. V. V.

Contributions to the study of spike-disease of sandal (*Santalum album*, Linn.) XV. The role of plant acids in health and disease. Journ. Indian Inst. Sci. 16A: 139-152. illus. 1933. no.13.

Sreenivasa Rao, Y V

Contributions to the study of the spike-disease of sandal (*Santalum album*, Linn.) XIII-XIV. Journ. Indian Inst. Sci. 16A: 91-95. 1933. no.8.

XIII. Investigation of the hexone bases. XIV. Study of mosaics associated with spiked areas.

Varadachar, K. S.

Synthesis of proteins in plants. I. Conversion of nitrates into protein in *Helianthus annuus*, Linn. Journ. Indian Inst. Sci. 16A: 129-138. illus. 1933. no.12.

Journ. Pharm. & Chim. (Paris) (383J825)

Hamet, R.

Sur une nouvelle rubiacée à yohimbine: Le *Corynanthe paniculata* Welwitsch. Journ. Pharm. & Chim. VIII,19: 209-214. Mr.1, 1934. no.5.

Journ. Pomol. & Hort. Sci. (London) (80J825)

Abdel-Salam, M. M.

Botrytis disease of lettuce. Jour. Pomol. & Hort. Sci. 12: 15-35. pl. 1. Mr.1934. no.1.

Hoblyn, T. N. & Palmer, R.C.

A complex experiment in the propagation of plum rootstocks from root cuttings. Journ. Pomol. & Hort. Sci. 12: 36-56. illus., 2 pl. on 1, tab. Mr. 1934. no.1.



Journ.Pomol. & Hort. Sci. (cont.)

Moore, M. H.

Spraying and dusting experiments on the control of apple scab (*Venturia inaequalis*) and apple mildew (*Podosphaera leucotricha*) at East Malling in 1931-1932. Journ. Pomol. & Hort. Sci. 12: 57-79. 4 pl. on 2. Mr. 1934. no.1.

Khimiz. Sotsial. Zemled. (Moskva) (3850424)

Shchepetil'nikova, A. M.

Khlopikrin kak sredstvo bor'by s l'noutomleniem i sorniakami (Chlorpikrin as an agent for combatting flax sickness of soil and weeds). Khimiz. Sotsial. Zemled. 1933: 128-135. illus.

Russian with English summary.

K. Landtbr. Akad. Handl. o Tidskr. (Stockholm) (104Sw3)

Lind, G.

Söttrömmen. K. Landtbr. Akad. Handl. o Tidskr. 72: 946-949. 1933. no.8.

*Sorbus aucuparia* var.

Landbouwk. Tijdschr. Wageningen (105.20r3)

Hell, W. F. v.

Voorloopige mededeeling omtrent het ontstaan en den bouw van z.g.n. stomata-vlekken bij bananen. (Stomata spots on ripening bananas). Landbouwk. Tijdschr. Wageningen 46: 16-29. illus. Ja.1934. no.555.

Brief English summary: p.29. The name stomata spot is proposed.

Landw. Jahrb. (Berlin) (18L23)

Köck, G.

Ueber einige bei rauchschädenerhebungen an landwirtschaftlichen kulturpflanzen häufig begangene fehler und ihre vermeidung. Landw. Jahrb. 79: 197-204. 1934. no.2.

Madras Agr. Journ. (22M262)

Ayyangar, G. N. R.

Recent work on the genetics of millets in India. Madras Agr. Journ. 22: 16-26. Ja. 1934. no.1.

Satyanarayana, P.

Identification of sex in ganja (*Cannabis indica* Lamk) by botanical characters. Madras Agr. Journ. 22: 3-6. illus. Ja. 1934. no.1.



Mem. Coll. Agr. Kyoto Imp. Univ. (107.6R994)

Hirayama, S.

Studies on the anaerobiosis of plant disease fungi. I. A comparative study on the anaerobic respiration of the fungi. Mem. Coll. Agr. Kyoto Imp. Univ. 30. 17 p. Ja. 1934.

Minn. Conserv. (412.6F492A)

Olson, T. A.

Sunlight. Its effect on aquatic plant life and fishes. Minn. Conserv. 10: 6-7, 17-19. illus. Mr.1934.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Pring, G. H.

The Amazon water-lily (*Victoria cruziana*)  
Missouri Bot. Gard. Bull. 22: 108-110. Mr.1934.  
no.3.

Pring, G. H.

Hybrid nymphaeas - their creation, propagation and cultivation. Missouri Bot. Gard. Bull. 22: 93-108. illus., pl. 26-32. Mr.1934. no.3.

Mitt. Deut. Landw. Ges. (Berlin) (18D48M)

Köhler, E.

Kartoffelabbau und viruskrankheiten. Mitt. Deut. Landw. Ges. 49: 260-261. Mr.1934. no.12.

Möller's Deut. Gärtner.-Zeit. (Erfurt) (80M73)

Rauhut, G.

Alpenpflanzen und felsen-anlagen. V.  
Möller's Deut. Gärtner.-Zeit. 49:80. Mr.11, 1934.  
no.7.

Mycologia (450M99)

Cherry, W. F.

*Mycotypha microspora* isolated from *Chaenomeles* *legeneria*. Mycologia 26: 133-134. Mr./Ap. 1934.  
no.2.

Dodge, B. O.

*Gymnosporangium myricatum* in relation to host parenchyma strands. Mycologia 26: 181-190. illus., pl.24-25. Mr./Ap.1934. no.2.

Studies in the genus *Gymnosporangium* IX.



Mycologia (cont.)

Drechsler, C.

Organs of capture in some fungi preying on nematodes. *Mycologia* 26: 135-144. Mr./Ap. 1934. no.2.

Hahn, G. G. & Avers, T. T.

Dasyscyphae on conifers in North America. II. *D. ellisiana*. *Mycologia* 26: 167-180. pl.21-23. Mr./Ap. 1934. no.2.

Hedrick, J.

New genera and species of lichens from the herbarium of Bruce Fink. II. *Mycologia* 26: 153-166. Mr./Ap. 1934. no.2.

Hotson, J. W.

Mushroom poisoning at Seattle. *Mycologia* 26: 194-195. Mr./Ap. 1934. no.2.  
*Ananita pantherina*.

Kevorkian, A. G.

The structure and development of a new aquatic phycomycete. *Mycologia* 26: 145-152. illus. Mr./Ap.1934. no.2.  
*Araiospora streptandra*.

Mains, E. B.

*Angiopsora*, a new genus of rusts on grasses. *Mycologia* 26: 122-132. pl.17-20. Mr./Ap. 1934. no.2.  
*A lenticularis* n.sp.

Müller, A. S.

A note on mycology in Brazil today. *Mycologia* 26: 192. Mr./Ap. 1934. no.2.

Schwartz, D.

*Pilobolus crystallinus* in pure culture. *Mycologia* 26: 192-194. Mr./Ap.1934. no.2.

Vorhees, R. K.

*Rhopoglyphus zeae* on corn. *Mycologia* 26: 115-117. pl.15-16. Mr./Ap. 1934. no.2.  
*Clasterosporium longisporum* n.sp. imperfect stage.

Wolf, F. A.

William H. Weston, jr., first President of the Mycological society of America. *Mycologia* 26: 113-114. port. Mr./Ap.1934. no.2.



Natur u. Mus. (Frankfurt a.M.) (509F856)

Baas, J.

Der wald im unteren Maintal vor 500,000 jahren.

Natur u. Mus. 63: 289-298. illus. S.1, 1933.  
no.9.

Eberle, G.

Das gewöhnliche lebermoos. Natur u. Mus.

63: 320-324. illus. S.1, 1933. no.9.

Marchantia polymorpha.

Hennig, Br.

Der halskrausen-erdstern. Natur u. Mus.

63: 335-339. illus. O.1, 1933. no.10.

Mosebach, G.

Der sumpf-haubenpilz (*Mitruha phalloides*), ein  
beispiel schießender pflanzen Natur u. Mus.

63: 380-382. illus. N.1, 1933. no.11.

Wassermann, J.

Pilzkrankhe berberitzenblätter. Natur u. Mus.

63: 348-349. illus. O.1, 1933. no.10.

Naturaliste Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne.

(cont.) Naturaliste Canad. 61: 69-73. Mr. 1934.  
no.3.

Nature (London) (472N21)

Anderson, E.

Origin of the angiosperms. Nature 133: 462.

Mr.24, 1934. no.3360.

Heilbron, I. M., Phipers, R. F. & Wright, H. R.

Chemistry of the brown algae. Nature 133;

419. Mr.17, 1934. no.3359.

Russell, E. J.

Prof. Sven Odén. Nature 133: 438-439. Mr.24,

1924. no.3360.

Died Jan.16, in 47th year.

Naturforsch. (Berlin) (410N219)

Michaelis, P.

Entwicklung und aufzucht der orchideen.

Naturforsch. 10: 425-430. illus., pl.xxxi.

Mr.1934. no.12.



New Jersey State Hort. Soc. News (81N46)

Blake, M. A.

Additional facts about winter injured peach trees. New Jersey State Hort. Soc. News 15: 571-572. illus. Mr.1934. no.3.

Blake, M. A.

Low temperature injury to apple buds and spurs. New Jersey State Hort. Soc. News 15: 573-574. illus. Mr.1934. no.3.

Robbins, W. R.

Celery chlorosis on an alkaline soil. New Jersey State Hort. Soc. News 15: 580. illus. Mr. 1934. no.3.

New Phytol. (London) (45ON42)

Bhâradvâja, Y.

A new species of *Nostochopsis* (*Nostochopsis radians* sp.nov.) New Phytol. 33: 1-7. illus. Mr.2, 1934. no.1.

Härdtl, H.

Ueber die gestalt der bäume. New Phytol. 33: 45-52. illus. Mr.2, 1934. no.1.

James, W. O.

The dynamics of photosynthesis. New Phytol. 33: 8-40. Mr.2, 1934. no.1.

Joshi, A. C.

Variations in the medullary bundles of *Achyranthes aspera* L. and the original home of the species. New Phytol. 33: 53-57. illus. Mr.2, 1934. no.1.

Saunders, E. R.

A note on the floral anatomy of *Rivina humilis* L. New Phytol. 33: 66-67. Mr.2, 1934. no.1.

Thomson, R. B.

Heterothally and the seed habit versus heterosporry. New Phytol. 33: 41-44. Mr.2, 1934. no.1.

Wanscher, J. H.

Secondary (chromosome) associations in Umbelliferae and Bicornes. New Phytol. 33: 58-65. illus. Mr.2, 1934. no.1.



New Zeal. Journ. Sci. & Techn. (Wellington) (514W48)  
Allan, T. T.

The specific identity of ratstail grass.

New Zeal. Journ. Sci. & Techn. 15: 255-257.  
illus. Ja. 1934. no.4.

*Sporobolus indicus* Brown. (*Agrostis indicus*  
Linn.) New Zealand species is correctly named  
*S. capensis* Kunth.

Oesterr. Bot. Zeitschr. (Wien) (4500s7)

Geitler, L.

Beitrag zur kenntnis der aërophytischen  
mikroflora Griechenlands. Oesterr. Bot. Zeitschr.  
83: 17-22. F.20, 1934. no.1.

Mruby, J.

Mykologische beiträge aus der west-Slowakei.

Oesterr. Bot. Zeitschr. 83: 62. F.20, 1934. no.1.

Lämmermayr, L.

Beobachtungen über höhengrenzen von pflanzen  
in der umgebung von Graz. III. Oesterr. Bot.  
Zeitschr. 83: 23-28. F.20, 1934. no.1.

Rohrhofer, J.

Der buchsbaum im oberösterreichischen Ennstal.

Oesterr. Bot. Zeitschr. 83: 1-16. illus. F.20,  
1934. no.1.

Rosenkranz, F.

Die eibe in Niederösterreich. Oesterr. Bot.

Zeitschr. 83: 29-48. F.20, 1934. no.1.

Wagner, R.

Ueber das vorkommen von inversblüten in

der gattung *Acantholimon* Boiss. Oesterr. Bot.  
Zeitschr. 83: 49-56. illus. F.20, 1934. no.1.

Wenzl, H.

Beiträge zur physiologie von *Azotobacter*.

Oesterr. Bot. Zeitschr. 83: 57-61. F.20, 1934.  
no.1.

Orchid Rev. (Richmond, Engl.) (800r15)

Hurst, C. C.

Orchids in the Cambridge botanic garden.

Orchid Rev. 42: 68-71. illus. Mr. 1934. no. 489.



Oxford For. Mem. (99.90x22)

Day, W. R. & Feace, T. R.

The experimental production and the diagnosis  
of frost injury on forest trees. Oxford For.  
Mem.16. 60 p. 10 pl. 1934.

Pflanzenbau (Berlin) (18P48)

Tamm, E.

Weitere untersuchungen über die keimung und das  
auflaufen landwirtschaftlicher kulturpflanzen. II.  
Pflanzenbau 10: 297-312. F.1934. no.8.

Pharm. Zentralh. (Dresden) (396.3P492)

Richter, J.

Chlorophyllhaltige parasiten. (concl.) Pharm.  
Zentralh. 75: 176-179. Nr.15, 1934. no.11.

Proc. Ann. Meet. Amer. Cranberry Grow. Assoc. (81Am35M)

Wilcox, R. B.

Cranberry fruit rots in New Jersey. Proc.  
Ann. Meet. Amer. Cranberry Grow. Assoc. 64(1934):  
12-17. 1934.

Proc. Biol. Soc. Washington (50CW272)

Blake, S. F.

A new *Mutisia* from Peru. Proc. Biol. Soc.  
Washington 46: 191-192. C.26, 1933.  
*Mutisia venusta*.

Proc. Roy. Soc. Ser. B. (London) (501L84B)

Gregory, F. G. & Pearse, H. L.

The resistance porometer and its application  
to the study of stomatal movement. Proc. Roy.  
Soc. Ser. B 114: 477-493. illus., pl. 33. Mr.2,  
1934. no.B790.

Proc. State Hort. Assoc. Penn. (81P38)

Kirby, R. S.

A five-year study of Pennsylvania apple disease  
conditions. Proc. State Hort. Assoc. Penn. 75:  
86-101. illus. 1934.

Queensl. Agr. Journ. (Brisbane) (23Q33)

Lewcock, H. K.

Yeasty rot of pineapples and its control.  
Queensl. Agr. Journ. 41: 128-131. illus. F.1, 1934.  
no.2.

Species of *Saccarhomyces*.



Queensl. Agr. Journ. (cont.)

Mandelson, L. F.

Barn Spot of tobacco. Preliminary investigations and flue-curing experiments. Queensl. Agr. Journ. 41: 132-147. illus. F.1, 1934 no.2.

Queensl. Nat. (Brisbane) (410Q3)

White, C. T.

The Eucalyptus or gum trees of the Brisbane district. 20. Eucalyptus creba (narrow-leaved ironback) Queensl. Nat. 9: 8-9. pl. F.1934. no.1.

Repert. Spec. Nov. Fedde (Berlin) (450R29)

Burret, M.

Bactris und verwandte palmengattungen. I-II. Repert. Spec. Nov. Fedde 34: 167-184, 185-254. D.31, 1933, F.15, 1934. no.10/12, 13/20.

Knoblauch, E.

Revision der oleaceengattung Haenianthus. Repert. Spec. Nov. Fedde 34: 139-142. D.31, 1933. no.10/12.

Knuth, R.

Geraniaceae novae. Repert. Spec. Nov. Fedde 34: 143-147. D.31, 1933. no.10/12.  
G. cuatrecasasii, Pelargonium eberlanzii n.spp.

Malm, J. v.

Die phanerogamenflora der kleinen Sunda-Inseln und ihre beziehungen. Repert. Spec. Nov. Fedde 34: 255-307. F.15, 1934. no.13/20.

Pilger, R.

Beiträge zur kenntnis der gattung Plantago. (cont.) Repert. Spec. Nov. Fedde 34: 147-166. D.31, 1933. no.10/12.

Schulz, O. E.

Nasturtium microspermum DC. und verwandte arten. Repert. Spec. Nov. Fedde 34: 137-138. D.31, 1933. no.10/12.



Rep. Bd. & Dept. Agr. Bermuda (8B45)

Russell, T. A.

Report of the plant pathologist, 1933. Rep.  
Dept. Agr. Bermuda 1933: 28-36. 1934.

Rep. Librarian of Congress (243.7Un3)

Swingle, W. T.

Notes on early Chinese records of maize, on  
natural products and on medicine. Rep. Librarian  
of Congress 1932/33: 119-124. 1934.

Notes also on sweet potato and tobacco.

Rev. Bot. Appl. (Paris) (26R323)

Chevalier, A.

Etude sur les prairies de l'Ouest africain.  
I. Les graminées (cont.) Rev. Bot. Appl. 14:  
17-48. Ja. 1934. no.149.

Chevalier, A.

Nouveaux documents sur les euphorbes cacti-  
formes de l'Ouest et du centre africain. Rev.  
Bot. Appl. 14: 63-66. Ja. 1934. no.149.

Kern, E.

Sur la culture du chene-liège en U.R.S.S.  
Rev. Bot. Appl. 14: 13-16. Ja. 1934. no.149.

Vuillet, J.

A propos de la rosette de l'arachide: Controle  
des pucerons par les insectes auxiliaires. Rev.  
Bot. Appl. 14: 8-12. Ja.1934. no.149.

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9Sol)

Français, J.

Sur la présence d'amidon dans les renflements  
écidiens de la rouille du poirier (*Roestelia can-  
cellata* Rabenh.) Rev. Path. Vég. & Entom. Agr.  
20: 261-263. pl. x. Je./Jl.1933(Rec'd Ap5.,1934)  
no.6/7.

Observations mycologiques et essais microphoto-  
graphiques. [I]

Français, J.

Sur les périthèces de l'*Uncinula spiralis* Berk.  
Rev. Path. Vég. & Entom. Agr. 20: 263-266. pl.ix.  
Je./Jl. 1933 (Rec'd Ap. 5, 1934) no.6/7.

Observations mycologiques et essais microphoto-  
graphiques. [II]



Rev. Path. Vég. & Entom. Agr. (cont.)

Français, J.

*Uncinula salicis* (D.C.) Wint. Rev. Path.  
Vég. & Entom. Agr. 20: 266-268. pl.ix. Je./Jl.  
1933 (Rec'd Ap.5, 1934) no.6/7.

On *Salix purpurea*.

Observations mycologiques et essais microphoto-  
graphiques. [III]

Guyot, A. L.

Rapport sur l'excursion de la Société à  
Mantes (S. et O.), les 23 et 24 juin 1933.

Rev. Path. Vég. & Entom. Agr. 20: 197-207.

illus., pl.viii. Je./Jl. 1933 (Rec'd Ap.5, 1934)  
no.6/7.

Petit, A.

Résultats expérimentaux sur la préservation  
des céréales contre les parasites cryptogamiques,  
en Tunisie. Rev. Path. Vég. & Entom. Agr. 20:  
210-260. Je./Jl. 1933 (Rec'd Ap.5, 1934) no.6/7.

Rust & smut.

Sur la présence en France de *Tubercinia leim-  
bachii* (Oertel) Liro. Rev. Path. Vég. & Entom.  
Agr. 20: 208-209. Je./Jl. 1933 (Rec'd Ap.5, 1934)  
no.6/7.

On root of *Ranunculus arvensis*.

Rev. Zool. Et Bot. Afr. (410R326)

Bouriquet, G.

Les maladies du caféier à Madagascar. (cont.)  
Agron. Colon. 23: 42-48. F.1934. no.194.

Hauman, L.

Notes sur les lobélies géants du Congo belge.  
Rev. Zool. et Bot. Afr. 25 Suppl. (Bull. Cercle  
Bot. Congol. v.2): [13]-[20]. 3 pl., map. F.17,  
1934. no.1.

Rhodora (Boston) (450R34)

Anderson, W. A.

Notes on the flora of Tennessee: The genus  
*Trillium*. *Rhodora* 36: 119-128. Ap.1934. no.424.

Fernald, M. L.

*Gaultheria procumbens* L., forma *accrescens*,  
f.nov. *Rhodora* 36: 129. pl.233. Ap.1934.  
no.424.



Rhodora (cont.)

Fernald, M. L.

A new *Primula* from the Grand Canyon of the Colorado. *Rhodora* 36: 117-118. pl.282.

Ap.1934. no.424.

*Primula hunnewellii*.

Goodman, G. J.

*Glottidium vesicarium* in Oklahoma. *Rhodora* 36: 118-119. Ap.1934. no.424.

Malte, M. O.

*Antennaria* of arctic America. *Rhodora* 36: 101-117. pl.281. Ap.1934. no.424.

*A. alaskana*, *A. arenicola*, *A. burwellensis*, *A. compacta*, *A. subcanescens*, *A. hudsonica* n.spp.

Quimby, M. W.

*Lobelia dortmanna* in Aroostook county, Maine. *Rhodora* 36: 128-129. Ap.1934. no.424.

Ricker, P. L.

The origin of the name *Lespedeza*. *Rhodora* 36: 130-132. Ap.1934. no.424.

Riv. Biol. (Milan) (442. & 52)

Arnaudi, C. & Venturelli, G.

L'azione del radio sui tumori vegetali.

Riv. Biol. 16:61-79. pl. Ja./F. 1934. no.1.

Bruun, A.Fr.

The life and work of Professor Johannes Schmidt.

Riv. Biol. 16: 215-234. illus. Ja./F. 1934. no.1.

Schweiz. Landw. Monatsh. (Bern) (17Sch93)

Gäumann, E. A.

Ueber gewebetemperaturen kranker kartoffelknollen. *Schweiz. Landw. Monatsh.* 12: 1-4.

1934. no.1.

Science (470Sci2)

Brink, R. A.

A non-bitter variety of *Melilotus*. *Science*

79: 301. Mr.30, 1934. no.2048.

F.P.I. no.90753 (probably variant of *M. suaveolens*)

Kleiner, I. S.

The use of *Solanum indicum* in diabetes.

*Science* 79: 273. Mr.23, 1934. no.2047.



Science (cont.)

Phifer, L. D.

Continuous phytoplankton collection. Science  
79: 298-299. illus. Mr.30,1934. no.2048.

Ramsey, G.B.

*Pleospora lycopersici* F. and E. March, a  
tomato pathogen in the United States. Science  
79: 294. Mr. 30, 1934. no.2048.

Scient. Agr. (Ottawa) (7Sci2)

Johnson, T., Newton, M. & Brown, A.M.

Further studies of the inheritance of spore  
colour and pathogenicity in crosses between physio-  
logic forms of *Puccinia graminis tritici*.  
Scient. Agr. 14: 360-373. Mr.1934. no.7.

Strachan, C. C.

Colour strains of the Delicious apple.  
Scient. Agr. 14: 384-399. illus. Mr.1934. no.7.

Scient. Month. (470Sci23)

Buchholz, J. T.

Seeds. Scient. Month. 38: 367-369. Ap.  
1934. no.4.

Colley, R. H.

The telephone pole and the mushroom. Scient.  
Month. 38: 378-383. illus. Ap.1934. no.4.

Jackson, V. W.

The New Zealand forest. Scient. Month.  
38:323-331. illus. Ap.1934. no.4.

Seed World (Chicago) (61.8Se52)

Lagomarsino, J. B.

The development of rust resistant snapdragons.  
Seed World 35: 9. illus. Mr.30, 1934. no.7.

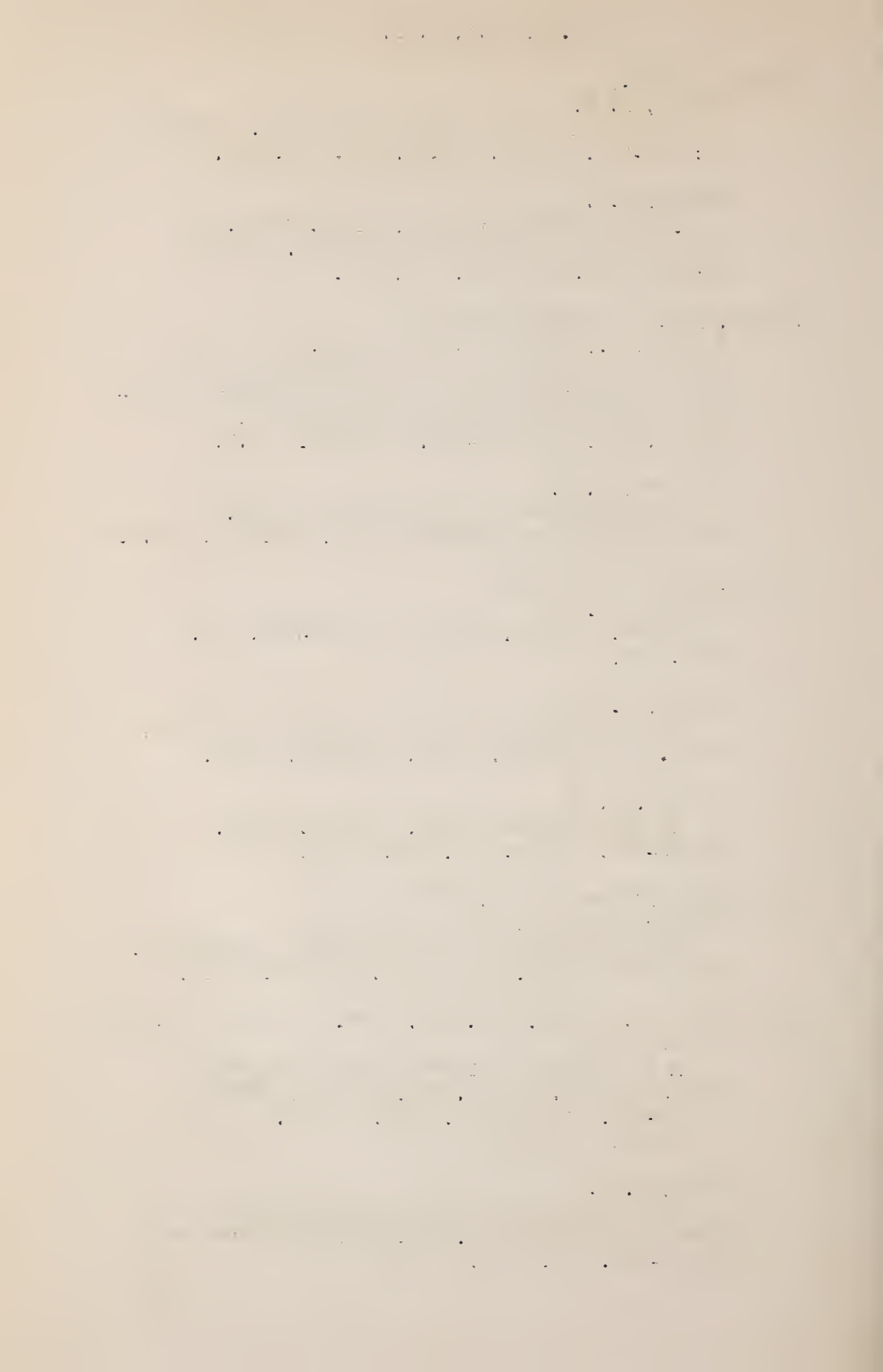
Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking (410.9Si62)

Chiao, C. Y.

A new species of *Ormosia* from Kiangying.  
Sinensia Contr. Metrop. Mus.Nat.Hist. Nanking  
3: 349-351. illus. Je. 1933. no.12.  
*Ormosia taiana*.

Ching, R. C.

The Pteridophyta of Kiangsu Province.  
Sinensia Contr. Metrop. Mus. Nat. Hist. Nanking  
3: 319-348. Je. 1933. no.12.



Soil Research (Berlin?) (56.9In82S)

Kivinen, E.

Ueber die reaktionsverhältnisse in den Sphagnum fuscum-bülten. (Conditions of the reaction of sphagnum-fuscum peats). Soil Research 3: 196-201. 1933. no.4.

Soil Sci. (Baltimore) (56.8So3)

Clark, H. E. & Shive, J. W.

The influence of the pH of a culture solution on the rates of absorption of ammonium and nitrate nitrogen by the tomato plant. Soil Sci. 37: 203-225. Mr. 1934. no.3.

So. African Gard. (Johannesburg) (80So87)

Plants new or noteworthy. South African plants cultivated in the National botanic gardens, Kirstenbosch. (cont.) So. African Gard. 24: 71. illus. Mr.1934. no.3.

Agapanthus campanulatus, A. longispatus, A. hollandii, n.spp.

Sovetsk. Botanika (450So8)

Avrorin, N. A.

O khoziaistvennoi inventarizatsii flory [The taking of a vegetation inventory from an agricultural standpoint] Sovetsk. Botanika 5: 91-95, 1933.

Russian.

Borisova, A. G., Petrov, V. T. & Shipchinskii, N.V.

Tsvetovodstvo na novyi put [Floriculture in a new way] Sovetsk. Botanika 5: 20-31. 1933.

Russian.

Borisova, A.

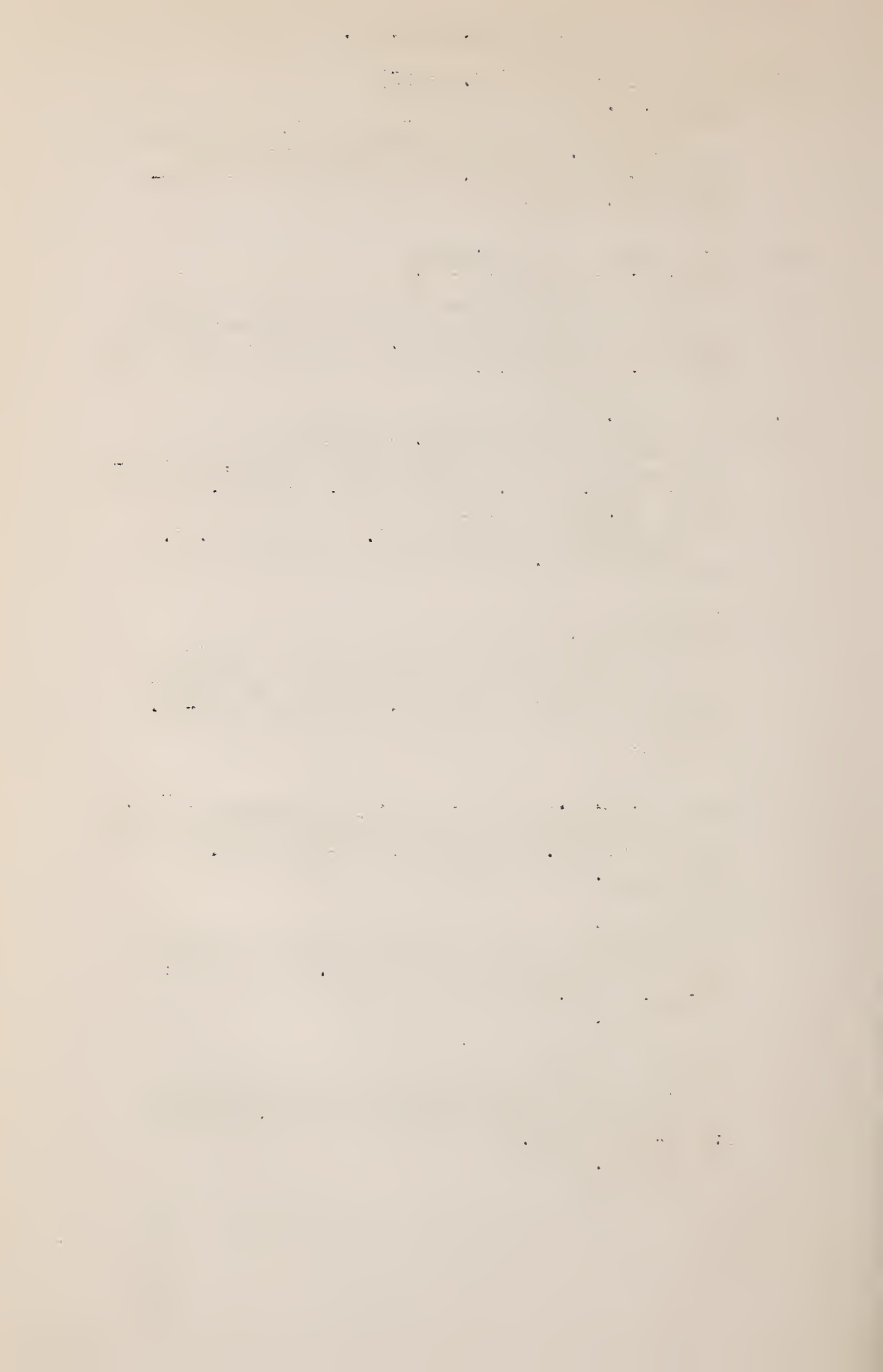
Zametka o syshke sochnykh rastenii [Notes on drying succulent plants] Sovetsk. Botanika 5: 144-145. 1933.

Russian.

Chailakhian, M.

K.probleme iarovizatsii rastenii [The problem of the iarovization of plants] Sovetsk.Botanika 5: 111-133. 1933.

Russian.



Sovetsk. Botanika (cont.)

Il'inski, A. P.

Areal i ego dinamika [Area and its dynamics]  
Sovetsk. Botanika 5: 3-11. 1933.  
Russian. Age and area.

Komarov, N. F.

Temperatura melovykh sklonov chernozemnoi polosy  
v svyazi s usloviyami razivitiia na nikh endemichnoi  
flory [Temperature of the chalky slopes of the chernozem  
belt in connection with the condition of  
development of the endemic flora] Sovetsk. Botanika  
5: 32-50. 1933.  
Russian.

Kriuger, E. V.

Opyty razmnozheniia Phlox perennis decussata  
listovymi cherenkami [Experiments in propagating  
Phlox perennis decussata by leaf cuttings] Sovetsk.  
Botanika 5: 141-142. illus. 1932.  
Russian.

Kunitsyn, A. G.

K voprosu o metode kolichestvennogo ucheta elementov  
polupustynnogo kompleksa [Method of quantitative study of  
elements of a semi-desert complex] Sovetsk. Botanika 5: 71-81.  
illus. (maps) 1933.  
Russian.

Lepchenko, Ia.F.

Neskol'ko soobrazhenii po voprosu uglubleniia i  
utochaeniia metodiki issledovaniia bolot v tseliakh  
sel'skokhoziaistvennogo ikh ispol'zovaniia i ob  
osushchestvlenii kompleksnosti rabot [Some considerations  
on the question of perfecting the method of investigating  
swamps for the purpose of agricultural utilization...] Sovetsk.  
Botanika 5: 81-91. 1933.  
Russian.

Maleev, V. P.

Amurskii barkhat (Phellodendron amurense Rupr.)  
i raiony ego kul'tury v Evropeiskoi chasti SSSR  
[The Amurian velvet tree and the region of its  
culture in USSR] Sovetsk. Botanika 5: 11-19.  
illus. (map) 1933.  
Russian.



Sovetsk. Botanika (cont.)

Monteverde, N. N., Belova-Lebedeva, T.A. & Ordovskaia, M.A.

Itogi rabot po naturalizatsii nekotorykh efiro-  
nosov v Botanicheskom institute Akademii nauk SSSR  
[Summary of work in naturalization of some essential  
oil plants at Botanical institute of the Academy  
of sciences, URSS] Sovetsk. Botanika 5: 133-141.  
illus. 1933.

Russian.

Nikolaeva, T. L.

Rod Merulius v SSSR [Merulius in USSR] Sovetsk.  
Botanika 5: 96-111. illus. 1933.

Russian.

Polianskaia, O. S.

Geobotanicheskaia ekspeditsiia dlia ovsledova-  
niia podshefnykh Botanicheskomu institutu kolkhozov  
v Krestetskom raione Leningradskoi oblasti [Geo-  
botanical expedition for investigation of the col-  
lective farms, belonging to the Botanical institute,  
in the Krestetz region of the Leningrad district]  
Sovetsk. Botanika 5: 50-71. 1933.

Russian.

Pugacheva, A.

Ob iskopaemom pliuushche (Hedera eichwaldii Palib.)  
iz Timskikh peschanikov [Fossil ivy (Hedera eich-  
waldii Palib.) from Timsk sandstone] Sovetsk. Bota-  
nika 5: 145-147. 1933.

Russian.

Sukachev, V. N.

Pamiati Valerii Ivanovitcha Talieva (1872-1932)  
Sovetsk. Botanika 5: 148-152. 1933.

Russian.

Trans. Penin. Hort. Soc. (Dover, Dela) (81P37)

Adams, J. F.

Weather conditions and apple scab prevalence  
during 1933. Trans. Penin. Hort. Soc. 1933: 67-  
68. [1934]

Hester, J. B.

The influence of soil acidity upon the relative  
availability of plant nutrients and crop yields in  
three coastal plains soils. Trans. Penin. Hort.  
Soc. 1933: 61-66. [1934]



Trans. Penin. Hort. Soc. (cont.)

Jehle, R. A. & Heuberger, J. W.

The apple scab situation in Maryland in 1933.

Trans. Penin. Hort. Soc. 1933: 39-42. [1934]

Trop. Agr. (26T751)

Pieris, W. V. D.

Studies on the coconut palm. I. Trop.

Agr. 82: 75-97. F.1934. no.2.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Mackie, W. W.

New hosts for charcoal rot in California.

U.S. Dept. Agr. Plant Dis. Rep. 18: 20. Mr.15,  
1934. no.2.

Rhizoctonia bataticola

Macmillan, H. G.

Note on the Long Beach earthquake and plants.

U.S. Dept. Agr. Plant Dis. Rep. 18: 16-18. Mr.15,  
1934. no.2.

No appreciable effect on growing crops.

Records of agricultural projects known to have  
failed through plant diseases. U.S. Dept. Agr.  
Plant Dis. Rep. 18: 7-16. Mr.15, 1934. no.2.

Welch, D. S.

Nectria canker on hardwoods in northeastern  
United States. U.S. Dept. Agr. Plant Dis. Rep.  
18: 21-22. Mr.15, 1934. no.2.

U.S. Dept. Agr. Miscellaneous mimeographed publications.

Quisenberry, K. S.

Comparison of winter-wheat varieties grown  
in cooperative plot and nursery experiments in  
the hard red winter-wheat region in 1933.

Washington, D. C., Mr.1934.

Mimeographed publ. from Div. of Cereal crops  
and diseases, Bur. of plant industry, U.S. Dept.  
of Agriculture.

Zeitschr. Bot. (Jena) (450Z32)

Ahrens, A.

Untersuchungen über die optimale reizlage bei  
der geotropischen reaktion. Zeitschr. Bot. 26:  
561-569. illus. 1934. no.11/12.



Zeitschr. Bot. (cont.)

Bleier, H.

Neuere karyologische probleme und ergebnisse.  
II. Arbeiten über bastardzytologie. Zeitschr.  
Bot. 26: 597-626. illus. 1934. no.11/12.  
Sammelreferat.

Zeitschr. Ver. Deut. Zuck.-Ind. (Berlin) (66.8Z33)

Lippmann, E. O. von

Nachträge und ergänzungen zu der festschrift:  
"Geschichte der rübe (Beta) als kulturpflanze".  
Zeitschr. Ver. Deut. Zuck.-Ind. 84: 15-67. Ja.  
1934.

Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B, Wirtsch.-  
Prakt. Teil. (384Z343B)

Popp, M., Contzen, J. & Gericke, S.

Das rätsel der dörrfleckenkrankheit.  
Zeitschr. Pflanzenernähr. Düng. u. Bodenk. B.  
Wirtsch.-Prakt. Teil 13: 66-73. F.1934. no.2.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Gäumann, E., Roth, C. & Anliker, J.

Ueber die biologie der Herpotrichia nigra  
Hartig. Zeitschr. Pflanzenkr. 44: 97-116.  
illus. Mr.1934. no.3.

Reinmuth, E.

Ein weitere beitrage zur frage der eisenfleckig-  
keit der kartoffel. Zeitschr. Pflanzenkr. 44:  
117-119. Mr.1934. no.3.

Zentralbl. Bakt. Abt. II (Jena) (448.3C33)

Neumann, G.

Ueber die mykorrhiza in der gattung Gentiana.  
Zentralbl. Bakt. Abt. II, 89: 433-458. illus.  
F.26, 1934. no.21/24.

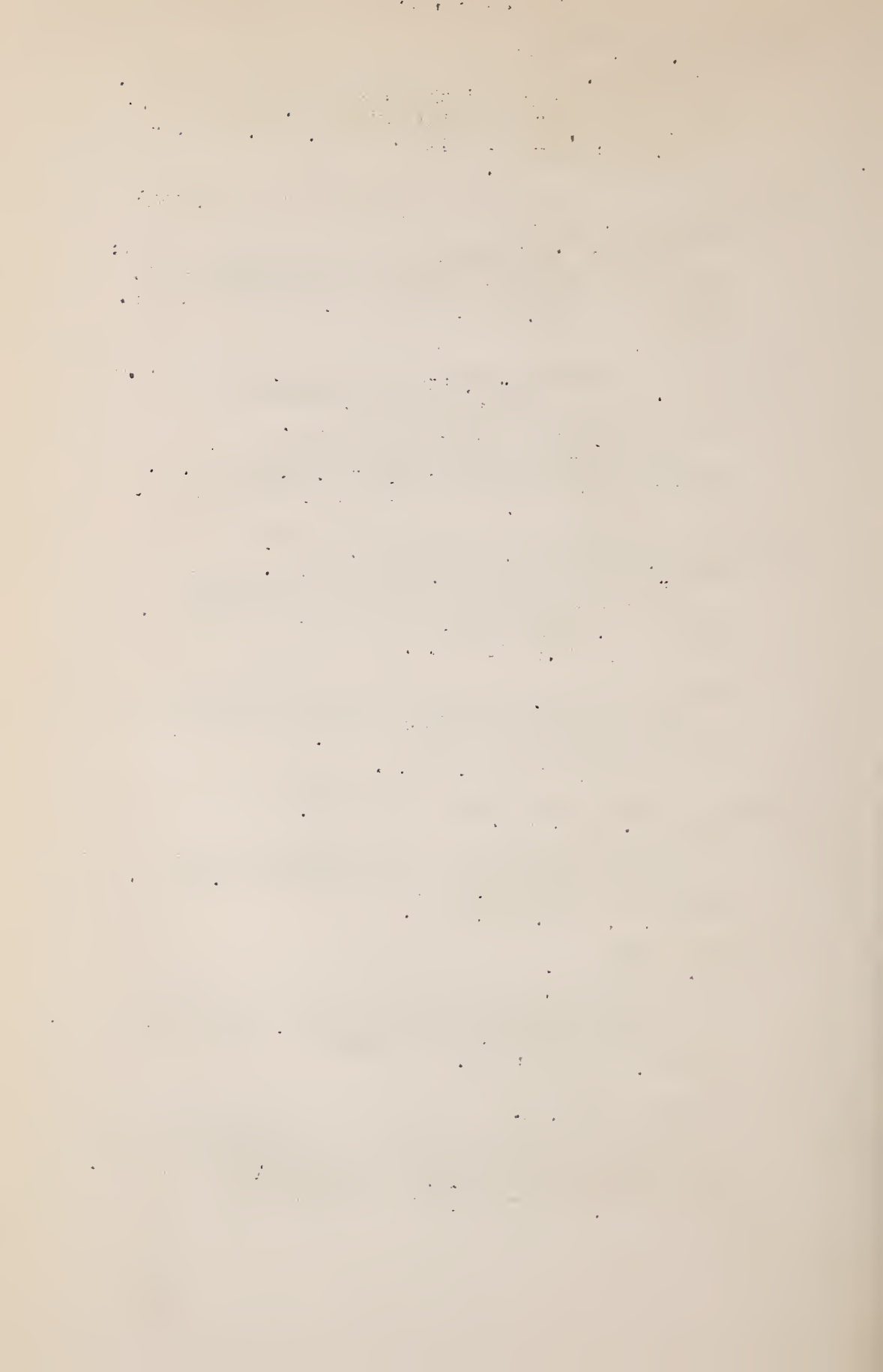
Exp. Stat. Publ.

Garcia, F.

Reduction of chile wilt by cultural methods.  
New Mexico Agr. Exp. Stat. Bull. 216. 15 p. illus.  
D.1933 (Rec'd Mr.1934) (100N465)

Blake, M. A.

Relative hardiness of 157 varieties of peaches  
and nectarines in 1933 and of 14 varieties in 1934 at  
New Brunswick, N.J. New Jersey Agr. Exp. Stat.  
Circ. 303. [7] p. F.1934. (100N46S)



Expt. Stat. Publ. (cont.)

Heald, F. D.

Division of plant pathology. Ann. Rep. Agr.  
Exp. Stat. Washington 43(1932/33, its Bull.291);  
42-44. Ja. 1934 (100W27E)

New Books

Barley blight control conference, Dubuque, Iowa  
Sept. 20-21, 1933.

A report of a conference ... for the purpose  
of working out plans for reducing losses from scab,  
blight and other diseases of barley. (1.9P69Bb)  
Mimeographed.

Carnegie institution of Washington.

Yearbook no.32. 1933(500C21)

Div of plant biology. (H.A. Spoehr): p.179-211.  
(Photosynthesis - Investigations on cambium...-  
Growth in trees - Experimental taxonomy - Desert  
investigations - Ecology - Paleobotany - Cycadeoid  
investigations - Climatological researches)

Chalk, L.

Twenty West African timber trees. By L. Chalk,  
J. Burt Davy, H.E. Desch, A.D. Hoyle... Oxford,  
Clarendon press, 1933. (Forest trees and timbers of  
the British Empire. Ed. by L. Chalk and J. Burt Davey.  
II) (99.790x2)

Küster, E.

Hundert jahre Tradescantia. Jena, G. Fischer  
1933 (463.5K96)

Mairet, E. M.

Vegetable dyes, being a book of recipes and  
other information useful to the dyer. Ditchling,  
Hassocks, Sussex, St. Dominic's Press, 1931.  
(306M282V)

Michurin, I. V.

Vyvedenie novykh uluchshennykh sortov plodo-  
vykh i jagodnykh rastenii [Investigations of new  
varieties of fruits and berries] Moskva, Sel'  
khozgiz, 1933. (93.28M58V)

Russian.

Is new ed. of his Itogi poluvekovkh gabot po  
vyvedeniiu novykh sortov plodovykh rastenii.



New Books (cont.)

Society of American bacteriologists

Bergey's manual of determinative bacteriology; a key for the identification of organisms of the class Schizomycetes, by David H. Bergey, 4th ed. Baltimore, Williams & Wilkins, 1934. (448.2Sol2)

Schoeller, W. & Goebel, H.

Method of influencing plant growth. Patented O.3, 1933. U.S. Patent Off. 1,929,079. 2 p. 1933. (Pamph. 90.11Sch)

Welsh plant breeding station

An account of the organization and work of the station from its foundation in April, 1919 to July, 1933. Aberystwyth, Cambrian news, 1933 (103Un322A)  
Pests and plant diseases: p.65-71.

Translations filed in Library of Bur. of Plant Industry.  
Bally, W.

Over de Hollandsche iepenziekte. (The Dutch elm disease). Bergcultures 3: 645-647. D.29, 1928.

Bavendamm, W.

Neue untersuchungen über die lebensbedingungen holzerstörender pilze. Ein beitrag zur frage der krankheitsempfänglichkeit unserer holz pflanzen. I. Gasversuche. (New investigations into the life conditions of wood-destroying fungi. A contribution to the problem of the susceptibility to disease of our trees and shrubs. I. Gas experiments) Centralbl. Bakt. Abt.II. 75: 426-452, 503-533. S./O. 1928.

Beckman, H. & Malsch, F. W.

Bestrijding van de iepenziekte. (Fighting the Dutch elm disease). Meded.Nederl. Boschbouwer. no.20. [2] p. N.17, 1931.

Betrem, J. G.

De iepenziekte en de iepenspintkevers. (The elm disease and the elm sapwood beetles). Tijdschr. Plantenz. 35: 273-288. N.1929.

Bondartzev, A.

Polyporus imberbis (Bull.) Fr. [as a parasite on trees] Bolezn. Rast. (Morb. Plant.) 13: 124-128. 1924.



92c  
**BOTANY**  
CURRENT LITERATURE

LIBRARY  
RECEIVED  
★ MAY 7 - 1934 ★  
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol.16, no.8.

April 9-21, 1934.

Agricultural History (30.98Ag8)

Hendry, G. W.

The source literature of early plant introduction into Spanish America. Agricultural History 8:64-71. Ap.1934. no.2.

Amer. Orchid Soc. Bull. (80Am329)

Ames, O.

Ernst Hugo Heinrich Pfitzer, 1846-1906.

Amer. Orchid Soc. Bull. 2:57-58. port. Mr. 1934. no.4.

Knudson, L.

Storage and viability of orchid seed. Amer. Orchid Soc. Bull. 2:66. Mr.1934. no.4.

Warne, R. E.

Orchid culture in the Philippines. I- Amer. Orchid Soc. Bull. 2:59-65. illus. Mr.1934. no.4.

I. Climate of the Philippines and its relation to orchids.

Wherry, E. T.

Native orchids. Our eastern orchids and their cultivation. 5. The spurred orchids, pt.2. Amer. Orchid Soc. Bull. 2:67-68. illus. Mr.1934. no.4.

Hybrid orchids of American origin. I- Amer. Orchid Soc. Bull. 2:71. Mr.1934. no.4.

With names and parentages of all hybrids, names of originators and dates of registration.



Angew. Bot. (Berlin) (450An4)

Scheibe, A.

Die schoss- und reifepériode des hafers in ihrer abhängigkeit von der physiologischen konstitution des saatgutes. Angew. Bot. 16:58-100, illus. Ja./F.1934. no.1.

Schmidt, E.

Experimentelle untersuchungen über die auswuchsneigung und keimreife als sorteneigenschaften des getreides. Angew. Bot. 16:10-50. illus. Ja./F.1934. no.1.

Schmidt, E. W.

Die wurzelbildmethode. Angew. Bot. 16:1-9. illus. Ja./F.1934. no.1.

Voss, J.

Ueber den sortensystematischen wert der deckspelze und vorspelze von *Triticum vulgare*. Angew. Bot. 16:50-57. illus. Ja./F.1934. no.1.

Ann. Rep. Dept. Agr. Assam (22As7Rp)

Assam, India. Dept. of agriculture

Mycology In its Ann. Rep. 1932/33:51-53. 1933.

Arch. Koffiecult. Nederl.-Indië (Soerbaia) (68.28Ar2)

Haan, J. T. de

Korte gegevens betreffende de cacao-cultuur. Arch. Koffiecult. Nederl.-Indië 7:1-74. D.1933. Ziekten en plagen: p.45-64.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Dieterle, H., Leonhardt, H. & Dorner, K.

Ueber einige inhaltsstoffe der stammrinde von *Lophopetalum toxicum*. II. Arch. Pharm. & Ber. Deut. Pharm. Ges. 272:172-190. illus. Mr.1934. no.3.

Dieterle, H. & Salomon, A.

Ueber onocerin, das phytosterin der hauhechel, *Ononis spinosa* L. Arch. Pharm. & Ber. Deut. Pharm. Ges. 272:142-151. Mr.1934. no.3.

Jaretsky, R. & Axer, B.

Beiträge zur pharmakognosie von *Sarothamnus scoparius* Koch und paraellelodrogen. Arch. Pharm. & Ber. Deut. Pharm. Ges. 272:152-167. Mr.1934. no.3.



Arch. Pharm. & Ber. Deut. Pharm. Ges. (cont.)

Keller, O.

Untersuchungen über Orthosiphon stamineus  
Benth. Arch. Pharm. & Ber. Deut. Pharm. Ges.  
272:242-256. Mr.1934. no.3.

Kofler, L. & Steidl, G.

Ueber das vorkommen und die verteilung von  
saponien in pflanzlichen drogen. II. Blätter,  
früchte, rinden, hölzer, wurzeln und rhizome.  
Arch. Pharm. & Ber. Deut. Pharm. Ges. 272:300-  
312. Mr.1934. no.3.

Küssner, W.

Ergoclovin, ein neues spezifisches alkaloid  
des mutterkorns. Arch. Pharm. & Ber. Deut.  
Pharm. Ges. 272:503-504. Mr.1934. no.3.

Wasicky, R., Rotter, G. & Thumer, A.

Einbeitrag zur kenntnis der hesperidinartigen  
verbindungen und flavone in den pflanzen. Arch.  
Pharm. & Ber. Deut. Pharm. Ges. 272:290-296.  
Mr.1934. no.3.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Boas, F.

Beiträge zur wirkungsphysiologie einheimischer  
pflanzen. I. Ber. Deut. Bot. Ges. 52:126-131.  
Mr.22,1934.

Donat, A.

Zur begrenzung des Magellanischen florengebietes.  
Ber. Deut. Bot. Ges. 52:131-152. illus.(maps).  
Mr.22,1934. no.2.  
Vorläufige mitteilung.

Koch, H.

Ein profil aus dem Bourtanger Moor als beispiel  
zur moor- und waldgeschichte an der Mittelems.  
Ber. Deut. Bot. Ges. 52:101-109. Mr.22,1934.  
no.2.

Schneider, E.

Einer vortrag über chlorophyllartige farbstoffe  
bei den purpurbakterien. Ber. Deut. Bot. Ges.  
52:96-100. Mr.22,1934. no.2.



Ber. Deut. Bot. Ges. (cont.)

Söding, H.

Ueber die bedingungen für die entstehung der  
sonnenblätter. Ber. Deut. Bot. Ges. 52:110-  
120. illus. Mr. 22,1934. no.2.

Ber. Ohara Inst. Landw. Forsch. (Kurashiki) (107.60hl)

Itano, A. & Matsuura, A.

Influence of iodine on physiological activities  
of microorganisms. Ber. Ohara Inst. Landw.  
Forsch. 6:73-81. pl.vii. 1933. no.1.

Itano, A.

Reports on general survey and investigation on  
agar. Ber. Ohara Inst. Landw. Forsch. 6:59-72.  
pl.iv-vi. 1933. no.1.

Kondo, M. & Isshiki, S.

Spontane entstehung von zwei missgestalteten  
reispflanzen und ihre vererbungsverhältnisse.  
Ber. Ohara Inst. Landw. Forsch. 6:1-12. illus.  
1933. no.1.

Kondo, M. & Kasahara, Y.

Versuche bezüglich der aufbewahrung der sporen  
von shiitake, Cortinellus shiitake Schroet. Ber.  
Ohara Inst. Landw. Forsch. 6:27-40. 1933.  
no.1.

Kondo, M. & Kasahara, Y.

Vorkommen anormaler keimlinge in den melonen-  
samen. Ber. Ohara Inst. Landw. Forsch. 6:13-26.  
illus. 1933. no.1.

Nisikado, Y., Matsumoto, H. & Yamauti, K.

Reports on the physiological specialization of  
Fusarium. I-II. Ber. Ohara Inst. Landw. Forsch.  
6:113-130, 131-147. 1933. no.1.

I. On the differentiation of the pathogenecity  
among the strains of rice-"bakanae"-fungus. II.  
Temperature relations to the growth of the rice-  
"bakanae"-fungus.

Biochem. Journ. (London) (382B52)

Clutterbuck, P. W., Haworth, W. N. & others

Studies in the biochemistry of micro-organisms.  
XXXVI. Biochem. Journ. 28:94-110. 1934.  
no.1.

XXXVI. The metabolic products of Penicillium  
charlesii G. Smith.



Biochem. Journ. (cont.)

Pollard, A. & Chibnall, A. C.

The proteins of grasses. III. The cystine content of certain grasses and other pasture plant proteins. Biochem. Journ. 28:326-336. 1934. no.1.

Yuill, J. L.

The acids produced from sugar by a *Penicillium* parasitic upon *Aspergillus niger*. Biochem. Journ. 28:222-227. 1934. no.1.

Biochem. Zeitschr. (Berlin) (384B522)

Rimington, C. & Quin, J. J.

Das vorkommen eines methämoglobinämie erzeugenden prinzipls bei einigen arten der pflanzenfamilie *Tribulus*. Biochem. Zeitschr. 269:4-13. Mr.17, 1934. no.1/3.

Bol. Union Panamer. (Washington) (150.9M76B)

Vinall, H. N.

Importantes pastos tropicales. II. (concl.)

Bol. Union Panamer. 68:273-291. illus. Ap. 1934. no.4.

No.92, Ser. de Impresos sobre agricultura.

Boll. Sez. Ital. Soc. Intern. Microbiol. (Milano) (448.3Sol)

Curzi, M.

La maladie de l'encre sur le noyer (*Juglans regia*). Boll. Sez. Ital. Soc. Intern. Microbiol. 5:341-344. D.1933. no.12.

Bot. Mag. Tokyo (450B651)

Aishima, T.

Chromosome numbers in the genus *Cirsium*. I-

Bot. Mag. Tokyo 48:150-151. F.1934. no.566.

Akiyama, S.

Systematic anatomy of the leaves of some Japanese *Carices*. V. Bot. Mag. Tokyo 48:143-149. illus. F.1934. no.566.

Japanese.

Emoto, Y.

Entwicklung der sporangien von myxomyceten.

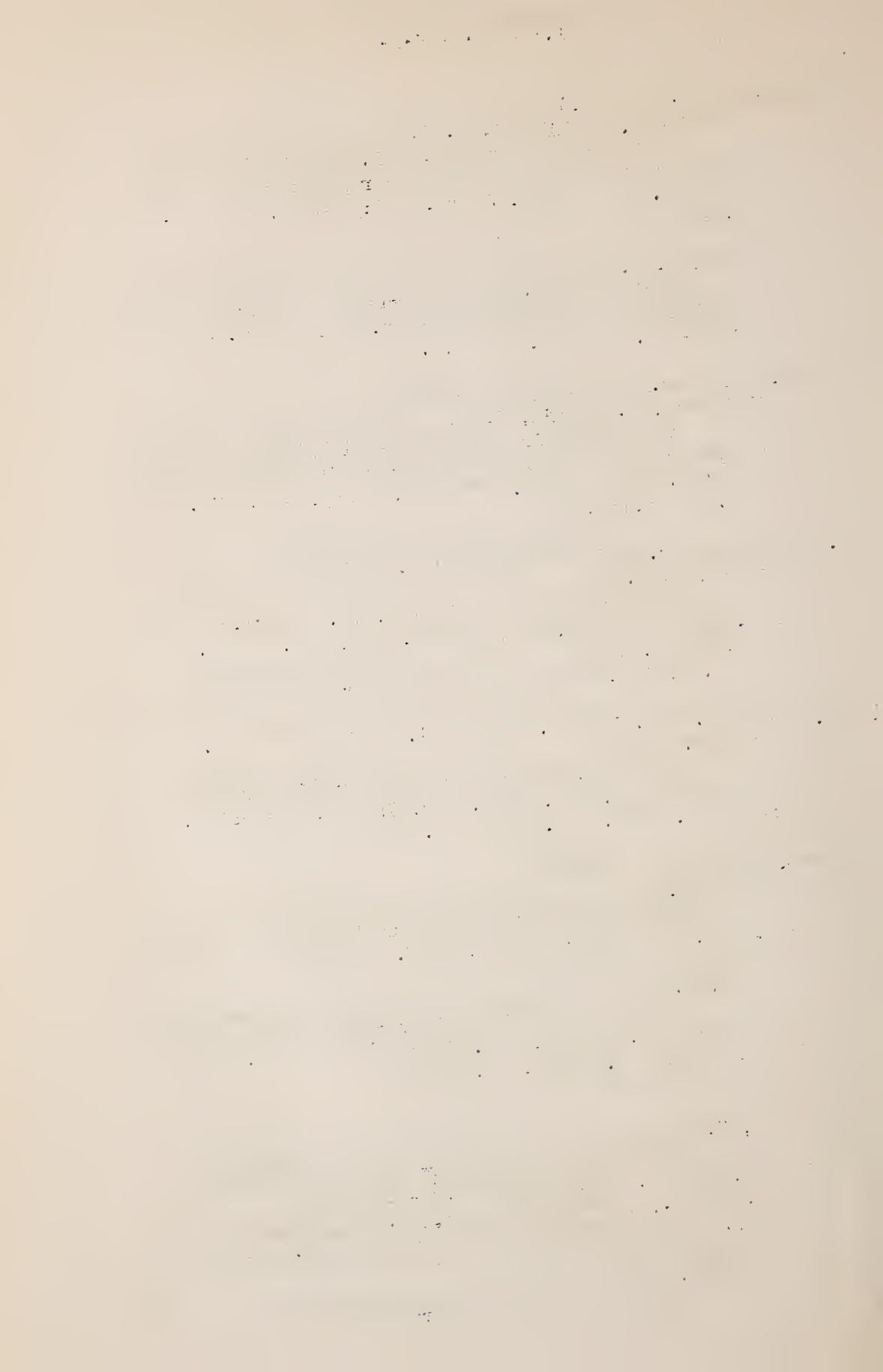
III-IV. Bot. Mag. Tokyo 48:61-67, 152-153.

illus. Ja., F.1934. no.565,566.

III. Ueber drei arten von *Stemonitaceae*. IV.

Ueber einige arten von *Heterodermaceae* und *Reticulariaceae*.

Japanese with brief German summaries.



Bot. Mag. Tokyo (cont.)

Hiratsuka, N.

On some new species of *Milesina*. Bot. Mag. Tokyo 48:39-47. illus. Ja.1934. no.565.

Kanehira, R.

New or noteworthy trees from Micronesia. V. Bot. Mag. Tokyo 48:116-130. illus. F.1934. no.566.

Kitagawa, M.

Contributio ad cognitionem florae Manshuriae. II-III. Bot. Mag. Tokyo 48:1-38, 91-115. illus. Ja., F.1934. no.565,566.

Maekawa, F.

*Alabastra diversa*. III. Bot. Mag. Tokyo 48:48-53. illus. Ja.1934. no.565.

Miki, S.

On the sea-grasses in Japan. II. *Cymodocaceae* and marine *Hydrocaritaceae*. Bot. Mag. Tokyo 48:131-142. illus. F.1934. no.566.

Tatuno, S.

Ueber die chromosomenzahlen bei drei anthocerotaceen, mit besonderer rücksicht auf ihre heterochromosomen. Bot. Mag. Tokyo 48:54-60. illus. Ja.1934. no.565.

Japanese with German summary.

Bot. Arch. (Leipzig) (450B6526)

Fohér, D. & Kiss, L.

Untersuchungen über die pflanzenassoziationsverhältnisse einiger mittel- und nordeuropäischer waldböden mit besonderer berücksichtigung der jahreszeitlichen schwankungen der bodenazidität. Bot. Arch. 36:53-98. Mr.1934. no.1/2.

Glage, U.

Funktion und entwicklung des öffnungsmechanismus der hülse von *Lathyrus niger*. Bot. Arch. 36:1-52. illus. Mr.1934. no.1/2.

Peterhänsel, H.

Experimentelle untersuchungen über die beziehungen zwischen bodenfeuchtigkeit und wasserverbrauch der pflanzen. Bot. Arch. 36:99-151. illus. Mr.1934. no.1/2.



Bot. Not. (Lund, Sweden) (450B656)

Allander, H.

*Rubus axillaris* Lejeune = *R. Leyi* F. = *R. scanicus* Aresch. Bot. Not. 1934:145-148.  
Mr.15,1934. no.1/2.

Haglund, G. E.

Nagra nya eller i Sverige nyfunna *Taraxacum*-arter. Bot. Not. 1934:1-42. illus. Mr. 15,1934. no.1/2.

Kjellmark, S.

Einige neue chromosomenzahlen in der familie *Chenopodiaceae*. Bot. Not. 1934:136-140. illus. Mr.15,1934. no.1/2.  
Vorläufige mitteilung.

Lange, T.

*Calypso bulbosa* (L.) Oakes i Sverige. Bot. Not. 1934:43-63. illus.(map). Mr.15,1934. no.1/2.

Mauritzon, J.

Ein beitrage zur embryologie der *phytolaccaceen* und *cactaceen*. Bot. Not. 1934:111-135. illus. Mr.15,1934. no.1/2.

Naumann, E.

Georg Lönnerblad, 1903-1933. Bot. Not. 1934:155-171. port. Mr.15,1934. no.1/2.

Norlindh, T. & Weimarck, H.

Beiträge zur kenntnis der flora von Süd-Rhodesia. II. Bot. Not. 1934:64-110. illus. Mr.15,1934. no.1/2.

Sylvén, N.

Selim Birger, 1879-1931. Bot. Not. 1934:150-154. port. Mr.15,1934. no.1/2.

Botaniste (Paris) (450B657)

Yen-An, F.

Recherches cytologiques sur la caryocinèse, la spermatogénèse et la fécondation chez les capri-foliacées. Botaniste 26:1-84. viii pl. F.1934. no.1.

En particulier sur la présence de centrosomes présidant à la caryocinèse dans les *Lonicera*.



Bulet. Acad. Stud. Agron. Cluj (21062)

Miron, G.

Saugkraftmessungen an nelken. Bulet. Acad. Stud. Agron. Cluj 4:321-335. 1933. no.1.

Pater, B.

Neuere beobachtungen über den heilwert von *Leonurus cardiaca* L. Bulet. Acad. Stud. Agron. Cluj 4:254-258. 1933. no.1.

Prodan, I.

Conspectul sociologic si sistematic al florei acvatice și palustre din România. (Ein soziologisch systematischer konspekt der wasser- und sumpfpflanzen Rumäniens). Bulet. Acad. Stud. Agron. Cluj 4:158-253. 1933. no.1.

Saulescu, N.

Contributiuni la genetica grăului (Beiträge zur genetik des weizens. I- ). Bulet. Acad. Stud. Agron. Cluj 4:11-33. viii pl. 1933. no.1.

Bull. Misc. Inform. Kew (London) (89K51E)

Bruce, E. A.

The giant *Lobelias* of East Africa. Bull. Misc. Inform. Kew 1934:61-88. illus., pl.v. 1934. no.2.

Fischer, C. E. C.

Plants new to Assam. VI. Bull. Misc. Inform. Kew 1934:90-94. 1934. no.2.

Rickett, H. W.

Specimens collected by Bradbury in Missouri territory. Bull. Misc. Inform. Kew 1934:49-61. 1934. no.2.

Sprague, T. A.

*Ochrocarpos madagascariensis*. Bull. Misc. Inform. Kew 1934:88-90. pl.vi. 1934. no.2.

Stapf, O.

*Lilium*, *Notholirion* and *Fritillaria*. Bull. Misc. Inform. Kew 1934:94-96. 1934. no.2.



Bull. Soc. Nat. Acclim. France (Paris) (410.9P21)

Chouard, P.

La multiplication végétative et le bourgeonnement chez les plantes vasculaires. (cont.) Bull. Soc. Nat. Acclim. France 81:55-75. illus. F. 1934. no.2.

Bull. Soc. Sci. Nat. l'Ouest France (505N15)

Amossé, A.

Diatomées de la Loire-Inférieure. Bull. Soc. Sci. Nat. l'Ouest France 42(v,v.2):1-57. pl.1. Ag.31,1933. no.1/3.

Carpentier, A.

Description d'un sol fossile de végétation de lépidodendrées découvert dans la pierre carrée du bassin de la Basse-Loire. Bull. Soc. Sci. Nat. l'Ouest France 42(V, v.2):59-64. illus., pl. ii-iv. Ag.31,1933. no.1/3.

Carpentier, A.

Empreintes de lépidodendrées des schistes de Saint-Géréon (Loire-Inférieure). Bull. Soc. Sci. Nat. l'Ouest France 42(V, v.2):65-63. pl.v-vi. Ag.31,1933. no.1/3.

Butler Univ. Bot. Stud. (Indianapolis) (451B97)

Coffing, C.

Additions to the algal flora of Marion county, Indiana. Butler Univ. Bot. Stud. 3:99-101. Ap.1934. no.2/5.

Friesner, R. C. & Potzger, J. E.

Climax conditions and ecological status of Pinus strobus, Taxus canadensis and Tsuga canadensis in the pine hills region of Indiana. Butler Univ. Bot. Stud. 3:65-83. illus. Ap.1934. no.2/5.

Montgomery & Parke counties, Ind.

Palmer, C. M.

Algae of Steuben county, Indiana. I. Butler Univ. Bot. Stud. 3:102-103. Ap.1934. no.2/5.

Potzger, J. E. & Friesner, R. C.

Some comparisons between virgin forest and adjacent areas of secondary succession. Butler Univ. Bot. Stud. 3:85-98. Ap.1934. no.2/5.

Small area of undisturbed forest, six miles southwest of Holland in Dubois Co., Indiana.



Cactus & Succ. Jour. (Los Angeles) (451C11)

Howell, J. T.

Cacti in the Galapagos Islands. II. Cactus  
& Succ. Journ. 5:531-532. illus. Mr.1934.  
no.9.

Lahman, M. S.

Notes on Oklahoma cacti. Cactus & Succ.  
Journ. 5:537. illus. Mr.1934. no.9.

Poindexter, R. W.

Some remarks on Mesembryanthemums. Cactus  
& Succ. Journ. 5:533-536. illus. Mr.1934.  
no.9.

Smith, A.

What grows where. Cacti listed in accordance  
with their geographical origin. Compiled and copy-  
righted for Mrs. John D. Wright, Santa Barbara,  
Calif., 1933.(cont.) Cactus & Succ. Journ.  
5:541-543. Mr.1934. no.9.

Canad. Field Nat. (Ottawa) (410.90t8)

Adams, J.

Some additions to the vascular flora of  
Anticosti Island. Canad. Field Nat. 48:63-65.  
Ap.1934. no.4.

Canad. Hort. (Peterboro, Ont.) (80C16)

Davis, M. B.

Balanced fertilizer practice as an aid to  
better keeping quality of fruit. Canad. Hort.  
57:83-85. illus. Ap.1934. no.4.

Howitt, J. E.

The critical time in scab control. Canad.  
Hort. 57:86. illus. Ap.1934. no.4.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Sanford, G. B. & Broadfoot, W. C.

On the prevalence of pathogenic forms of Hel-  
minthosporium sativum and Fusarium culmorum in  
the soil of wheat fields and its relation to the  
root rot problem. Canad. Journ. Res. 10:264-  
274. Mr.1934. no.3.



Compt. Rend. Acad. Sci. Paris (505P21)

Colin, H. & Carles, J.

Affinités chimiques et hybridations chez les  
Iris. Compt. Rend. Acad. Sci. Paris 198:1257-  
1258. Mr.26,1934. no.13.

Costantin, J., Magrou, J., Bouget, & Jaudel, V.

Production expérimentale de mycorhizes chez  
la pomme de terre. Compt. Rend. Acad. Sci.  
Paris 198:1195-1197. Mr.26,1934. no.13.

Echevin, R.

L'évolution des phospholipides des feuilles  
au cours du jaunissement automnal. Compt. Rend.  
Acad. Sci. Paris 198:1254-1256. Mr.26,1934.  
no.13.

Gautheret, R.

Recherches sur la réduction du nitrate d'argent  
par les chloroplastes. Compt. Rend. Acad. Sci.  
Paris 198:1252-1254. Mr.26,1934. no.13.  
Réduction due to presence of formaldehyde.

Malençon, G.

Nouvelles observations concernant l'étiologie  
du bayoud. Compt. Rend. Acad. Sci. Paris 198:  
1259-1261. Mr.26,1934. no.13.  
Due to a cycle of Fusarium, F. albedinis  
(Killian & Maire) Malençon.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Biecheler, B.

Sur le réseau argentophile et la morphologie de  
quelques péridiniens nus. Compt. Rend. Soc. Biol.  
Paris 115:1039-1042. illus. 1934. no.10.  
Gyrodinium pavillardii n. sp.

Chatton, E.

L'existence d'un réseau ectoplasmique chez les  
Polykrikos et les précision qu'il fournit à la  
morphologie péridinienne. Compt. Rend. Soc.  
Biol. Paris 115:1036-1039. illus. 1934.  
no.10.

Davy de Virville, A.

Sur la coloration des membranes d'une hépatique  
(Alicularia compressa Nees.) par absorption d'un  
pigment rouge. Compt. Rend. Soc. Biol. Paris  
115:1061-1063. illus. 1934. no.10.



Compt. Rend. Soc. Biol. Paris (cont.)

Eichhorn, A.

Le noyau et sa division chez le lupin.

Compt. Rend. Soc. Biol. Paris 115:1064-1065.  
1934. no.10.

Gilles, E. & Lafay, A.

Technique de l'irradiation des levures pour  
l'étude de leur sensibilité vis-a-vis de l'ultra-  
violet. Compt. Rend. Soc. Biol. Paris 115:1115-  
1117. 1934. no.10.

Yen-An, F.

Sur la technique employée a la recherche de la  
présence de centrosomes chez les Lonicera. Compt.  
Rend. Soc. Biol. Paris 115:1087-1088. 1934.  
no.10.

Deut. Landw. Presse (Berlin) (18D482)

Heuser, W.

Zur zuchtung von bodensäure-unempfindlichen  
weizen- und gerstensorten. Deut. Landw. Presse  
61:141, 142. Mr.24,1934. no.12.

Meyer-Hermann, K.

Die tomatenfäule und ihre bekämpfung. Deut.  
Landw. Presse 61:141. Mr.24,1934. no.12.  
Didymella lycopersici.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Bartsinskii, P. M.

O prorastanii semian zarazikhi, porazhaushchei  
podsolnechnik (On the germination of the seeds of  
Orobanche cumana). Dokl. Akad. Nauk SSSR (Compt.  
Rend. Acad. Sci. URSS) n.s., 1:340-346. F.21,  
1934. no.6.

Russian and English.

Liashchenko, I. F.

O tsvetenii roda Cucurbita (Ueber eigentümliche  
blütenformbildung bei einigen arten der gattung  
Cucurbita). Dokl. Akad. Nauk SSSR (Compt. Rend.  
Acad. Sci. URSS) n.s., 1:416-419. illus. Mr.1,  
1934. no.7.

Russian and German.



Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (cont.)

Val'ter, O. A. & Lilienstern, M. F.

K diagnostike roda u konopli (Contributions to the diagnosis of sex in hemp). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 1:515-521. Mr.11,1934. no.8.

Russian and English.

Ecology (Brooklyn, N. Y.) (410Ec7)

Bowman, P. W.

Pollen analysis of Kodiak bogs. Ecology 15:97-100. Ap.1934. no.2.

Griggs, R. F.

The edge of the forest in Alaska and the reasons for its position. Ecology 15:80-96. illus. Ap.1934. no.2.

Purer, E. A.

Foliar differences in eight dune and chaparral species. Ecology 15:197-203. Ap.1934. no.2. San Diego county, California.

Runyon, E. H.

The organization of the creosote bush with respect to drought. Ecology 15:128-138. illus. Ap.1934. no.2.

Schomer, H. A.

Photosynthesis of water plants at various depths in the lakes of northeastern Wisconsin. Ecology 15:217-218. Ap.1934. no.2.

Young, V. A.

Plant distribution as influenced by soil heterogeneity in Cranberry lake region of the Adirondack mountains. Ecology 15:154-196. illus. Ap. 1934. no.2.

Empire Cotton Grow. Rev. (London) (72.8Em7)

Mason, T. G. & Phillis, E.

A tentative account of the movement of food materials during the development of the cotton plant. Empire Cotton Grow. Rev. 11:121-124. Ap.1934. no.2.



Évkönyve Magyaróvári M. Kir. Gazd. Akad. (105.9M27)

Göllner, J.

Adatok a Diplodina agaves Moesz et Göllner fejlődésének ismeretéhez (Beiträge zur Kenntnis der entwicklung der Diplodina agaves). Evkönyve Magyaróvári M.Kir. Gazd. Akad. 1931/32-1932/33: 95-101. illus. 1933.

Hungarian with short German summary.

Gróf, B.

Adatok a cukorrépa Gyökérfarok-rothadásának ismeretéhez (Beiträge zur rübenschwanzfäule der zuckerrübe). Evkönyve Magyaróvári M.Kir. Gazd. Akad. 1931/32-1932/33:22-40. illus. 1933.

Hungarian with short German summary.

Bacillus betae.

Farming So. Africa (Pretoria) (24So842)

Steyn, D. G.

The camel-thorn tree and other Acacia species as stockfeed. Farming So. Africa 9:89-90, 106. illus. Mr.1934. no.96.

Risk of stock being poisoned.

Steyn, D. G.

Senecio poisoning in animals. Farming So. Africa 9:97-99. illus. Mr.1934. no.96.

Flora (Jena) (450F66)

Bergdolt, E.

Ueber die bedingungen der phyllodienbildung bei Acacia und über licht-reizbewegungen an Oxalis rusciformis-phyllodien. Flora 127(n.s.27):362-379. illus. Mr.1934. no.4.

Eber, E.

Karpellbau und plazentationsverhältnisse in der reihe der Helobiae. Mit einem anhang über die verwandtschaftlichen beziehungen zwischen Ranales und Helobiae. Flora 127(n.s.27):273-330. illus. Mr.1934. no.4.

Höfler, K.

Regenerationsvorgänge bei Griffithsia schousboei. Flora 127(n.s.27):331-344. illus. Mr.1934. no.4.

Kaule, A.

Ueber die cephalodien der flechten. 2. Flora 127(n.s.27):345-361. Mr.1934. no.4.



Flow. Grow. (Calcium, N. Y.) (80M72)

Shull, J. M.

Comments on the "breaking" of tulips. Flow.  
Grow. 21:164. Ap.1934. no.4.

Flor. Rev. (Chicago) (80W41)

Changes of air lengthen carnation life. Flor.  
Rev. 63(1898):21. Ap.12,1934.

Results of experiments conducted under sponser-  
ship of Middle Atlantic carnation growers' associa-  
tion.

Friesia Nord. Mykol. Tidsskr. (København) (450F91)

Bjørnekaer, K. & Buchwald, N. F.

Om kløvblad (*Schizophyllum alneum* [L.] Schröt.)  
i Danmark. (On *Schizophyllum alneum* (L.) Schröt. in  
Denmark). Friesia Nord. Mykol. Tidsskr. 1:95-  
108. D.1933. no.2.

English summary: p.106-107.

Ferdinandsen, C.

Ove Rostrup 1864-1933. Friesia Nord. Mykol.  
Tidsskr. 1:137-138. port. D.1933. no.2.

Ferdinandsen, C.

*Russula solaris* F. & W. Til diskussionen om  
artens systematik og nomenklatur. (Zur systematik  
und nomenklatur der *Russula solaris* F. & W.).  
Friesia Nord. Mykol. Tidsskr. 1:109-117. D.1933.  
no.2.

German summary: p.114-116.

Hintikka, T. J.

Ueber die verbreitung von *Phallus impudicus* L.  
in Finnland. Friesia Nord. Mykol. Tidsskr. 1:88-  
90. illus.(map). D.1933. no.2.

Horn, K.

Mykorrhizasopp som hekserringdanner. (A mycorrhizal  
fungus forming fairy rings). Friesia Nord.  
Mykol. Tidsskr. 1:81-83. illus. D.1933. no.2.

English summary: p.83.

*Hebeloma crustuliniforme*, forms mycorrhiza on  
*Betula lenta*.

Møller, F. H.

*Pasthyra typhae* (Kalchbr.) Fr. dunhammer-  
stribekat. (*Psathyra typhae* (Kalchbr.) Fr., der  
rohrkolben-mürbling). Friesia Nord. Mykol.  
Tidsskr. 1:84-87. illus. D.1933. no.2.

German summary: p.87.



Friesia Nord. Mykol. Tidsskr. (cont.)

Robak, H.

Pholiota mutabilis (Schaeff.) Quel. som råresopp på tremasse. (Pholiota mutabilis (Schaeff.) Quel. as a rot fungus on wood pulp). Friesia Nord. Mykol. Tidsskr. 1:91-94. illus. D.1933. no.2.  
English summary: p.93.

Gard. Chron. (London) (80G162)

Balls, E. K.

Plant collecting in Persia. VII. Kuh-i-Hazar. Gard. Chron. III, 95:214-215. illus. Mr.31, 1934. no.2466.

Friend, H.

Herbals and herbalists. VII. The age of transition. Gard. Chron. III, 95:198. Mr.24,1934. no.2465.

Ogilvie, L.

Antirrhinum rust. Gard. Chron. III, 95:217. Mr.31,1934. no.2466.

Ogilvie, L. & Mulligan, B. O.

The Fusarium wilt of China asters in England. Gard. Chron. III, 95:215-216. illus. Mr.31, 1934. no.2466.

F. conglutinans var. callistephi & var. majus.

Roach, W. A.

Budding and grafting razors. Gard. Chron. III, 95:196-197. illus. Mr.24,1934. no.2465.

Ward, F. K.

The big-leafed Vaccinium. Gard. Chron. III. 95:212-213. Mr.31,1934. no.2466.  
Ward's no.9197, not V. glauco-album.

Helvetica Chim. Acta (Basel) (385H36)

Karrer, P. & others

Pflanzenfarbstoffe. LVIII-LIX. Helvetica Chim. Acta 17:412-416,417-419. 1934. no.2.  
LVIII. Ueber ein neues vorkommen des astacins. Ein beiträg zu dessen konstitution. LIX. Vorläufige mitteilung über neue oxydationsprodukte aus alpha-carotin und physalinen. Alpha-carotin-dijodid.



Helvetica Chim. Acta (cont.)

Rupe, H., Clar, G., Pfau, A. & Plattner, P.

Zur kenntnis der flüchtigen pflanzenstoffe.

II. Ueber thurmeron, den riechstoff des curcumaöls.

Helvetica Chim. Acta 17:372-389. 1934. no.2.

Intern. Sugar Journ. (London) (65.8In8)

Leake, H. M.

The sugar cane and weather. Intern. Sugar  
Journ. 36:147-151. Ap.1934. no.424.

Journ. Agr. Prat. (Paris) (14J82)

Fron, G.

Les chlorates et leur emploi en agriculture.

Journ. Agr. Prat. 8(2):241-244. illus. Mr.24,  
1934. no.12.

Journ. Amer. Chem. Soc. (381Am33J)

Adams, M. & Adams, G. R.

Essential oil in desert plants. IV. Examination  
of the oil of *Tetrademia glabrata*. Journ. Amer.  
Chem. Soc. 56:991-992. Ap.1934. no.4.

Strong, F. M. & Peterson, W. H.

The chemistry of mold tissue. IV. The lipids  
of *Aspergillus sydowi*. Journ. Amer. Chem. Soc.  
56:952-955. Ap.1934. no.4.

Journ. & Proc. Roy. Soc. N.S.W. (Sydney) (514Sy24)

Harrison, T. H.

Brown rot of fruits and associated diseases of  
deciduous fruit trees. I. Historical review and  
critical remarks concerning taxonomy and nomencla-  
ture of the causal organisms. Journ. & Proc.  
Roy. Soc. N. S. W. 67:132-177. O.13,1933.  
no.1.

Journ. Bot. (London) (450J82)

Albrecht, J. H.

Synopsis of the European species of *Pogonatum*  
and *Polytrichum*. (concl.) Journ. Bot. 72:104-  
110. Ap.1934. no.856.

Ardagh, J.

"Catalogue of trees, shrubs [&c] in the gardens  
near London," 1730. Journ. Bot. 72:110-111.  
Ap.1934. no.856.



Journ. Bot. (cont.)

Dandy, J. E.

The identify of *Lassonia Buc'hoz*. Journ. Bot.  
72:101-103. Ap.1934. no.856.

*Magnolia heptapeta* (Buc'hoz) Dandy (*Lassonia*);  
*M. quinquepeta* (Buc'hoz) Dandy (*Lassonia*).

Pearsall, W. H.

*Viola lepida* Jord. Journ. Bot. 72:113-114.  
Ap.1934. no.856.

Rendle, A. B.

George Russell Bullock-Webster (1858-1934).  
Journ. Bot. 72:111-112. Ap.1934. no.856.

Vermeulen, P.

*Orchis latifolia* L. Journ. Bot. 72:97-101.  
illus., pl.603. Ap.1934. no.856.

Author concludes *O. latifolia* var. *majalis*  
Kittel does not occur in England, but perhaps in  
Scotland; *O. latifolia* *junialis* Vermeulen and *O.*  
*praetermissa* Druce not two different species.

Journ. Dept. Agr. Kyushu Imp. Univ. (Fukuoka, Japan) (107.6K995)  
Kosaka, H.

Die beziehungen zwischen den verschiedenen  
physiologischen erscheinungen der pflanzen und  
den an verschiedenen vegetationsorganen in erschein-  
ung tretenden farbstoffen. VI. Ueberblick  
bisher erhaltener ergebnisse und erwägungen ueber  
ihre anwendbarkeit auf praktischen gebieten.  
Journ. Dept. Agr. Kyushu Imp. Univ. 4:127-160.  
Mr.10,1934. no.3.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)

Clarke, G. H.

Important weeds of South Australia. 2-3.  
The star and saffron thistles. (*Centaurea calci-*  
*trapa* L., and *Carthamus lanatus*, L.) Journ.  
Dept. Agr. So. Australia 37:855-858. col.pl.  
F.15,1934. no.7.

Garrett, S. D.

Factors affecting the severity of take-all.  
2. Soil temperature. Journ. Dept. Agr. So.  
Australia 37:799-805. illus. F.15,1934.  
no.7.

Warren, A. L.

Black-eyed Susan, or rock lily, *Ornithogalum*  
*thyrsoides* (Jacq.). Journ. Dept. Agr. So. Aus-  
tralia 37:974-975. illus. F.15,1934. no.7.



Journ. For. (Washington) (99.8F768)

Hansbrough, J.R.

Occurrence and parasitism of *Aleurodiscus*  
*amorphus* in North America. Journ. For. 32:  
452-458. illus. Ap.1934. no.4.

Horton, G. S. & Hendee, C.

A study of rot in aspen on the Chippewa  
national forest. Journ. For. 32:493-494.  
Ap.1934. no.4.

*Fomes igniarius* & *F. applanatus*.

Landhart, D. Y.

Initial root development of longleaf pine.  
Journ. For. 32: 459-461. Ap.1934. no.4.

McComb, A. L.

The relation between acorn weight and the  
development of one year chestnut oak seedlings.  
Journ. For. 32: 479-484. illus. Ap. 1934  
no.4.

Journ. Washington Acad. Sci. (500W276J)

Berry, E. W.

A pine from the Potomac Eocene. Journ.  
Washington, Acad. Sci. 24:182-183. illus.  
Ap.15,1934. no.4.

*Pinus lynni* n. sp.

Berry, E. W.

Pliocene in the Cuenca Basin of Ecuador.  
Journ. Washington Acad. Sci. 24:184-186. illus.  
Ap.15,1934.

Griggs, R. F.

The problem of arctic vegetation. Journ.  
Washington Acad. Sci. 24:153-175. Ap.15,1934.  
no.4.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

Ueber *Mammillaria* (*Neomall.*) *jaliscana* Britt.  
& Rose. Kakteenk. Deut. Kakteen-Ges. 1934:75.  
illus. Ap.1934. no.4.

Kosmos (Stuttgart) (474K842)

Wulfert, K.

Das geheimnis des aronstabes. Kosmos 31:  
124-126. illus., col.pl. Ap.1934. no.4.  
*Arum maculatum*.



Landw. Jahrb. (Berlin) (18L23)

Dix, W.

Zuchtungsversuche mit getreide. Landw.  
Jahrb. 79:335-369. illus. 1934. no.3.

Profft, E. & Körting, A.

Untersuchungen über pyrethringehalt und insekt-  
izide wirkung von dalmatinischem Pyrethrum.  
Landw. Jahrb. 79:415-430. illus. 1934. no.3.

Madrono (San Francisco) 450M26)

Abrams, L.

The dwarf Gaultherias in California. Madrono  
2:121-122. Ap. 1934. no.15.

G. humifusa & G. ovatifolia.

Ball, C. R.

Teratology in willows. Madrono 2:122-123.  
Ap. 1934. no.15.

Ewan, J.

Anstruther Davidson: An appreciation. Ma-  
drono 2:124-128. port. Ap.1934. no.15.

Bibliography of the botanical writings of A.  
Davidson: p.126-128.

Meded. Boschbouwproefst. Nederl.-Indië (Botavia) (99.9Ea72)

Eidemann, F. E.

Kiemingsonderzoek bij een 55-tal wildhout-  
soorten en groenbemesters. Meded. Boschbouw-  
proefst. Nederl.-Indië no.26. 156 p. illus.  
1933.

Mid west dahlia news (80M585)

Allen, H. F.

Causes and effects of dahlia mosaic. Mid  
west dahlia news 2(3):6-8. illus. Ap.1934.

Möller's Deut. Gärtner-Zeit. (Erfurt) (80M73)

Rauhut, G.

Alpen-pflanzen und felsan-lagen. VI. (concl.)

Möller's Deut. Gärtner-Zeit. 49:90-91. Mr.21,  
1934. no.8.



Monatsh. Chem. (Vienna) (384M74)

Bisko, J. & Zellner, J.

Zur chemie der rinden. IX. mitteilung. Monatsh.  
Chem. 64: 12-16. Mr.1934. no.1.

Beiträge zur vergleichenden pflanzenchemie XXV.  
Zizyphus vulgaris, Fraxinus excelsior.

Brunner, O. & Wiedemann, G.

Ueber die inhaltsstoffe der weissbuchenrinde.  
Monatsh. Chem 63: 368-373. Ja. 1934. no.5/6.

Is no.I of his Zur chemie der rindenstoffe.

Brunner, O. & Wöhrle, R.

Zur chemie der rindenstoffe. II. Ueber die inhalts-  
stoffe der haselrinde. Monatsh. Chem. 64: 21-  
27. Mr. 1934. no.1.

Zellner, J.

Zur chemie der flechten III. Parmelia physodes.  
L. Monatsh. Chem. 64: 6-11. Mr. 1934. no.1.

Nature (London) (472N21)

Jane, F. W.

Terminal and initial parenchyma in wood. Nature  
1933: 534. Ap.7, 1934. no.3362.

In Cedrela odorata, Swietenia mahagoni and others.

Lang, W. D.

Dr. F.A. Bather, F.R.S. Nature 133: 485-486.  
Mr.31, 1934. no.3361.

Ledingham, G. A.

Zoospore ciliation in the Plasmodiophorales.  
Nature 122: 534. illus. Ap.7, 1934. no.3362.

Nature Mag. (Washington) 409.6N214)

Lovell, J. H.

Our honey plants. Some of the royalty that  
supply the bees. Nature Mag. 23: 231-234.

Illus. My.1934. no.5.

Pflanzenbau (Berlin) (18P48)

Sostarić-Pisarić, K, v.

Einfluss der wärme auf den keimungsprozess bei  
sudangras. Pflanzenbau. 10: 331-350. Mr.1934. no.9.



Philipp. Journ. Sci. (Manilla) (473P53)

Ames, O. & Quisumbing, E.

New or noteworthy Philippine orchids. IV.

Philipp. Journ. Sci. 52:443-473. 17 pl. (3 col.)

D. 1934. no.4.

Santos, J. K.

Morphology of the flower and mature grain of

Philippine rice. Philipp. Journ. Sci. 52: 475-

503. illus., 7 pl. D.1933. no.4.

Phytopath. (464.8P56)

Allen, T. C., Pinckard, J.A. & Riker, A.J.

Frequent association of *Phytophthora melophthora*,

with various stages in the life cycle of the apple

maggot, *Rhagoletis pomonella*. Phytopath. 24: 228-

238. illus. Mr.1934. no.3.

Burnett, G.

The longevity of the latent and veinbanding

viruses of potato in dried plant tissue. Phytopath.

24: 215-227. Mr. 1934. no.3.

Cochran, L. C.

The host specificity of *Septoria petroselini*

and *S. apii-graveolentis*. Phytopath. 24: 309-310.

Mr. 1934. no.3.

Dahl, A. S.

Snowmold of turf grasses as caused by *Fusarium*

*nivale*. Phytopath. 24: 197-214. illus. Mr.1934.

no.3.

Esau, K.

Cell degeneration in relation to sieve-tube

differentiation in curly-top beets. A preliminary

note. Phytopath. 24: 303-305. illus. Mr.1934.

no.3.

Ezekiel, W. N. & Taubenhaus, J.J.

Variety tests in the differentiation of two

cotton wilts. Phytopath. 24: 292-295. Mr. 1934.

no.3.

*Fusarium vasinfectum* and an apparently different

wilt designated temporarily as *Waxahachis*.

Fawcett, E. H. & Bryan, M. K.

Color in relation to virulence in *Aplanobacter*

*michiganense*. Phytopath. 24: 308-309. Mr.1934.

no.3.

1911  
No. 1000  
1000

1000  
1000

1000  
1000

1000  
1000

1000  
1000

1000  
1000

1000  
1000

1000  
1000

1000  
1000

Phytopath. (cont.)

Henderson, R. G.

Occurrence of tobacco ring-spot-like viruses  
in sweet clover. *Phytopath.* 24: 248-256.  
illus. Mr. 1934. no. 3.

Magistad, O. C. & Oliveria, J. M.

Changes in plant-food intake caused by a  
population of *Heterodera marioni* (Cornu) Goodey  
on *Ananas comosus*. *Phytopath.* 24: 276-283.  
illus. Mr. 1934. no. 3.

Mehrlich, F. P.

Control of *Phytophthora* heart rot of pineapple  
plants. *Phytopath.* 24: 173-196. illus. Mr.  
1934. no. 3.

Rumbold, C. T.

A new species of *Graphium* causing lumber stain.  
*Phytopath.* 24: 300-301. illus. Mr. 1934. no. 3.  
*G. rubrum* n. sp.

Small, C. G.

Quantitative determination of sulphur on  
leaves by titration. *Phytopath.* 24: 296-299.  
illus. Mr. 1934. no. 3.

Smith, C. O.

Olive knot on *Olea chrysophylla*. *Phytopath.*  
24: 307-308. illus. Mr. 1934. no. 3.

Walker, J. C. & Murphy, A.

Onion-bulb decay caused by *Aspergillus*  
*alliaceus*. *Phytopath.* 24: 289-291. illus.  
Mr. 1934. no. 3.

Causing decay of imported garlic bulbs, is also  
pathogenic to onion tho not found upon the latter  
in nature.

Weimer, J. L.

Studies on alfalfa mosaic. *Phytopath.* 24:  
239-247. illus. Mr. 1934. no. 3.

Winters, R. & Small, C. G.

An automatic moisture-recording device.  
*Phytopath.* 24: 284-288. Mr. 1934. no. 3.



Phytopath. (cont.)

Young, P. A.

Fungi and bacteria as indicators of the effects of petroleum oils on apple leaves. *Phytopath.* 24: 266-275. illus. Mr.1934. no.3.

Zeller, S. M. & Lund, W. T.

Yellow rust of *Rubus*. *Phytopath.* 24: 257-265. Mr. 1934. no.3.

Authors convinced it is caused by *Phragmidium rubi-ideai*.

*Planta Arch. Wiss. Bot.* (Berlin) (450P693)

Cholodny, N.

Ueber die bildung und leitung des wuchshormons bei den wurzeln. *Planta Arch. Wiss. Bot.* 21: 517-530. illus. Mr.8, 1934. no.4.

Experimente with *Avena* and *Zea mays*.

Czaja, A. T.

Untersuchungen über metachromatische färbungen von pflanzengewebe. II. Basische farbstoffe. *Planta Arch. Wiss. Bot.* 21: 531-601. illus. Mr.8, 1934. no.4.

Dahlgren, K. V. O.

Die embryosackentwicklung von *Echinodorus macrophyllus* und *Sagittaria sagittifolia*. *Planta Arch. Wiss. Bot.* 21: 602-612. illus. Mr.8, 1934. no.4.

Kerstan, G.

Eine methode zur bestimmung des glukosidzuckers und der ubrigen kohlehydrate in pflanzen, besonders in *Aesculus* und *Salix*. *Planta Arch. Wiss. Bot.* 21: 657-676. Mr.8, 1934. no.4.

Kerstan, G.

Zur physiologischen bedeutung der glukoside in *Aesculus* und *Salix* im rahmen der ubrigen kohlehydrate. *Planta Arch. Wiss. Bot.* 21: 677-698. Mr.8, 1934. no.4.

Polster, H.

Eine neue mikrozuckerbestimmungsmethode durch manometrische bestimmung der gärungskohlensäure nach Warburg. *Planta Arch. Wiss. Bot.* 21: 699-700. Mr. 8, 1934. no.4.



Planta Arch. Wiss. Bot. (cont.)

Winkler, H.

Ueber zwei Solanum-chimären mit burdönen-epidermis. Planta Arch. Wiss. Bot. 21: 613-656. illus. Mr.8, 1934. no.4.

Proc. Nat. Acad. Sci. (500N21P)

Allen, C. E.

A diploid female gametophyte of Sphaerocarpos. Proc. Nat. Acad. Sci. 20: 147-150. illus. Mr.1934. no.3.

Cooper, D. C.

Development of the embryo sac of Lilium henryi. Proc. Nat. Acad. Sci. 20: 163-166. illus. Mr. 1934. no.3.

East, E. M.

Norms of pollen-tube growth in incompatible matings of self-sterile plants. Proc. Nat. Acad. Sci. 20: 225-230. Ap.1934. no.4.

Experiments with Nicotiana sanderae, N. alata and their hybrids.

Proc. N.Y. State Hort. Soc. (81N484)

Gloyer, W. O.

Fruit diseases of the past season. Proc. N.Y. State Hort. Soc. 79(1934): 7-11. 1934.

Hamilton, J. M.

Further studies with fungicides for scab control in the Hudson Valley. Proc. N.Y. State Hort. Soc. 79(1934): 197-201. 1934.

Rankin, W. H.

Practical points on controlling diseases in raspberries. Proc. N.Y. State Hort. Soc. 79(1934): 182-186. 1934.

Rankin, W. H.

Raspberry disease control in the Hudson Valley, Proc. N.Y. State Hort. Soc. 79(1934): 276-282. 1934.

Quart. Journ. For. (London) (99.8Q2)

Day, W. R. & Peace, T. R.

Poplar canker: A preliminary note. Quart. Journ. For. 28: 32-43. illus. Ja.1934. no.1.

1911

(1911) 101

1911

1911

(1911) 101

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

1911

Rec. Trav. Néerl. (Amsterdam) (451N28R)

Abbema, T. v.

Das transfusionsgewebe in den blättern der  
Cycadinae, Ginkgoinae und Coniferae. Rec. Trav.  
Bot. Néerl. 31: 309-390. illus. 1934. no.1/2.

Bremekamp, C. E. B.

Notes on the Rubiaceae of Surinam. Rec. Trav.  
Bot. Néerl. 31: 248-308. illus. 1934. no.1/2.

Danser, B. H.

The Loranthaceae of the Oxford university  
expedition to Sarawak in 1932. Rec. Trav. Bot.  
Néerl. 31: 237-247. illus. 1934. no.1/2.

Danser, B. H.

Miscellaneous notes on Loranthaceae. 1-6.  
Rec. Trav. Bot. Néerl. 31: 223-236. illus. 1934.  
no.1/2.

Dijkman, M. J.

Wachsstoff und geotropische krummung bei  
Lupinus. Rec. Trav. Bot. Néerl. 31: 391-450  
illus. 1934. no.1/2.

Harreveld-Lako, C. H. van

Water-cultures with clay suspensions and with  
nutrient solutions. Rec. Trav. Bot. Néerl. 31:  
27-112. pl.ii-iv. 1934. no.1/2.

Pijl, L. van der

Ueber die polyembryonie bei Eugenia. Rec.  
Trav. Bot. Néerl. 31: 113-187. illus. 1934. no.1/2.

Pont, J. W.

Inverted polarity in *Salix babylonica* L.  
Rec. Trav. Bot. Néerl. 31: 210-222. pl.v-vi.  
1934. no.1/2.

Schoute, J. C.

Zur erinnerung an Heinrich Wydler, 24. April  
1800 - 6. Dezember 1883. Rec. Trav. Bot. Néerl.  
31: 1-26. pl.i (port) 1934. no.1/2.

Sobels, J. C.

Ueber die entwicklung und bewurzelung ruhender  
meristeme bei *Bryophyllum calycinum*, *B. crenatum*  
und *B. proliferum*. Rec. Trav. Bot. Néerl. 31:  
188-209. illus. 1934. no.1/2.

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..

... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..

... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

- Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)  
Cufodontis, G.  
Kritische revision von Senecio sectio Tephroser-  
is. (cont.) Repert. Spec. Nov. Beih. v.70, no.3.  
p.193-266. v. pl. D.31, 1934.
- Schlechter, R.  
Blütanalysen neuer orchideen. IV. Indische  
und malesische orchideen.heft.2. Repert. Spec.  
Nov. Beih. v.74. p.3-9. pl.49-85. F.15, 1934.
- Rep. Agri. Dept. Bihar & Orissa (22B48R)  
Bihar and Orissa, India. Agr. Dept.  
Note on work done by the imperial mycologist  
during the year ending 31st March 1933. In  
its Rep. 1932/33: 192-194. 1933.
- Rep. Dept. Agr. Gov't Res. Inst. Formosa (J22.5F764N)  
Sawada, K.  
Descriptive catalogue of the Formosan fungi.  
part.VI. Rep. Dept. Agr. Gov't Res. Inst. Formosa  
no.61. 99 p. illus., 2 pl. N.1933.  
Japanese.
- Rev. de Agr. (Piracicaba) (9.2R324)  
Krug, C. A.  
Pollenisacao controllada no milho. Rev. de  
Agr. (Piracicaba) 9:42-44. 4 pl. Ja./F. 1934.  
no.1/2.
- Wright, C. & Moreira, S.  
Experiencia de pulverizacao para se combater a  
verrugose da laranja doce (Sphaceloma fawcetti -  
var. viscosa) Rev. de Agr. (Piracicaba) 9: 3-9.  
Ja./F. 1934. no.1/2.
- Rev. Hort. (Paris) (80R32)  
Chevalier, C.  
A propos du Begonia scharffiana Reg. Rev.  
Hort. 106:66-68. Mr.16,1934. no.3.  
B. haageana = B. scharffiana.
- Evreinoff, V. A.  
Actinidia arguta Planch, nouvel arbuste  
fruitier. Rev. Hort. 106: 89-70. illus.  
Mr.16, 1934. no.3.
- Girard, H.  
Félicien Lesourd. Rev. Hort. 106: 51-52.  
Mr.16, 1934. no.3.

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

Rev. Hort. (cont.)

Jahandiez, E.

Les plantes grasses autres que les cactées.  
Les asclepiadacées. Rev. Hort. 106: 64-65,  
illus. Mr.16, 1934. no.3.

Riv. Patol. Veg. (Pavia) (464.8R52)

Verona, O.

Di una notevole infezione di Mycosphaerella  
brassicicola (Fr.) Lindau su cavolfiore. Riv.  
Patol. Veg. 24: 109-111. pl. Mr./Ap. 1934. no.3/4.

Rose Ann. Nat. Rose Soc. Gt. Brit. (84N21)

Bewley, W. F.

Rose disease investigations. Rose Ann. Nat. Rose  
Soc. Gt. Brit. 1934: 79-82.

School Sci. & Math. (275.8Sch63)

Hull, E. D.

Terraria and their plants. School Sci. & Math.  
34: 372-379. illus. Ap. 1934. no.4.

Schweiz. Landw. Monatsh. (Bern) (17Sch93)

Suter, P.

Erfolge systematischer baumbespritzung.  
Schweiz. Landw. Monatsh. 11: 269-277. illus. 1933.  
no.10.

Stain Techn. (442.8St1)

Margolena, L. A.

Bismarck brown for pollen grain walls.  
Stain Techn. 9: 71. Ap. 1934. no. 2.

Snyder, M. A.

A modification of the Dorner spore stain.  
Stain Techn. 9: 71-72. Ap. 1934. no.2.

Studies Plant Phys. Lab. Charles Univ. Prague. (451P88)

Němec, B.

Ueber bakteriensymbiose bei Ardisia crispa.  
Studies Plant Phys. Lab. Charles Univ. Prague  
v.4, no.3 23 p. illus. 1933.

Reprinted from Věstník K.České Společn. Nauk  
Tř. Mat.-Přír. II, 1932.

Svensk Bot. Tidskr. (450Sv2)

Dahlgren, K. V. O.

Die embryologie von Impatiens roylei. Svensk  
Bot. Tidskr. 28: 103-125. illus. Mr.19, 1934. no.1.  
English summary: p.123-124.



Svensk Bot. Tidskr. (cont.)

Ekman, E.

Contribution to the Draba flora of Greenland.  
VII. Svensk Bot. Tidskr. 28: 66-83. illus.  
Mr.19, 1934. no.1.

Erikson, J.

Albin Gottfrid Eliasson. 1860-1933. Svensk  
Bot. Tidskr. 28: 152-154. port. Mr.19, 1934. no.1.

Mauritzon, J.

Zur embryologie einiger Gruinales. Svensk.  
Bot. Tidskr. 28: 84-102. illus. Mr.19, 1934. no.1.

Skårman, J. A. O.

Havsstrandväxter vid Vänern och Göta Älv.  
Svensk Bot. Tidskr. 28: 34-65. illus. (maps)  
Mr.19, 1934. no.1.

Wistrand, G.

Bidrag till kännedomen om floran i Pite  
lappmarks barrskogsregion. Svensk Bot. Tidskr.  
28: 1-33. illus. Mr.19, 1934. no.1.

K. Svenska Vetensk. Akad. Handl. (Stockholm) (502St6H)  
Florin, R.

Studien über die Cycadales des mezozoikums  
nebst erörterungen über die spaltöffnungsapparate  
der Bennettitales. K. Svenska Vetensk. Akad.  
Handl. III, v.12, no.5. illus., 16 pl. Ap.12,  
1933.

Halle, T. G.

The structure of certain fossil spore-bearing  
organs believed to belong to Pteridosperms. K.  
Svenska Vetensk. Akad. Handl. III, v.12, no.6.  
illus., 15 pl. Je.1933.

Technol. Bull. Indian Centr. Cotton Comm. Ser. B.

Ahmad, N. & Sen, D. L.

A note on the wax content of Indian cottons  
with special reference to their feel. Technol.  
Bull. Indian Centr. Cotton Comm. Ser. B, 18. 6 p,  
D. 1933



Techn. Commun. Imp. Bur. Fruit Prod. (84Im72)

Akenhead, D.

The "degeneration" of the strawberry. I. The pomological aspect of strawberry degeneration.

Techn. Commun. Imp. Bur. Fruit Prod. 5:4-10.  
F.1934.

Berkeley, G. H.

The "degeneration" of the strawberry. III. The phenomenon of root rots in connection with strawberry degeneration. Techn. Commun. Imp. Bur.

Fruit Prod. 5: 16-19. F. 1934.

Harris, R. V.

The "degeneration" of the strawberry. II. Virus as one cause of strawberry degeneration. Techn.

Commun. Imp. Bur. Fruit Prod. 5: 11-15. F.1934.

La Terra Maroc. (Rabat) (24T44)

Miege, E.

Les Plantes fourragères du Maroc. (concl.)

La Terre Maroc. 4(52): 13-31. illus. Mr.15,1934.

Tijdschr. Plantenz. (464.8T44)

Buisman, C.

Verslag van de onderzoekingen over de iepenziekte, verricht in het Phytopathological laboratorium Willie Commelin Scholten te Baarn gedurende 1933.

Tijdschr. Plantenz. 40: 65-87. Mr.1934. no.3.

See also Korte verslag van het iepenziekte-onderzoek p.88-90.

Roepke, W. K. J.

Kort verslag van het iepenziekte-onderzoek verricht op het Laboratorium voor entomologie te

Wageningen gedurende het jaar 1933. Tijdschr.

Plantenz. 40: 91-93. Mr.1934. no.3.

Tropenpfl. (Berlin) (26T75)

Lange, F. J.

Ole und fette in der wirtschaft der eingeborenen tropisch-afrikas. I-III. Tropenpfl.

37: 93-125. Mr.1934. no.3.

I. Verbreitung der tierischen fette und ihre verwendung im eingeborenenhaushalt. II. Die verbreitung der fettpflanzen in tropisch-afrika. III. Die stellung der ölplanzen in der eingeborenenwirtschaft.



Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) (451R92P)

Bystrikov, F. V.

Len i ryzhik v bor'be za vlagu, svet i udobrenie (Flax and Camelina in their struggle for moisture, light and fertilizers) (Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 3: 115-130. illus. 1933.

Russian with English summary.

Krasnosel'skaia-Maksimova, T. A. & Kondo, I. N.

Fiziologicheskii analiz zakhvata pri pomoshchi ikusstvennogo sukhoveia (Physiological analysis of wind burn by means of artificial dry wind). Trudy Prikl. Bot., Gen. i Selek. Ser. III (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 3: 191-215. illus. 1933.

Russian with English summary.

Krasnosel'skaia-Maksimova, T. A., Brovtsyna, V. L. & Kotel'nikova, O. L.

Raspoznavanie ozimyykh i iarovyykh form khlebnykh zlakov v laboratornykh usloviyakh (Determination of winter and summer forms of cereals in laboratory conditions). Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 3: 165-170. 1933.

Russian with English summary.

Lebedintseva, E. V.

Znachenie dliny dnia dlia vykolashivaniia ozimyykh (The significance of the day length for the earing of winter cereals). Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 3: 141-154. 1933.

Russian with English summary.

Maksimov, N. A.

Ob upravlenii dlinoi vegetatsionnogo perioda u rastenii (On the regulation of the length of the vegetation period of plants) Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 3: 3-16. 1933.

Russian with English summary.



Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) (cont.)

Oleinikova, T. V.

K voprosu o vliianii dliny dnia i nochi na vremia vykolashivaniia u ozimyykh (A contribution to the question of the influence of the length of day and night on the heading of winter cereals). Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser. Phys., Biochem. & Anat. Plants) 3: 155-160. illus. 1933.

Russian with English summary.

Rasumov, V. I.

Znachenie kachestvennogo sostava sveta v fotoperiodicheskoi reaktsii (The significance of the quality of light in photoperiodical response). Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem. & Anat. Plants) 3: 217-251. illus. 1933.

Russian with English summary.

Richter, A.

K voprosu zasukhovynoslivosti podvoev plodovykh derev'ev (Contribution to the question of drought resistance of the stocks of fruit trees.) Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser. Phys., Biochem. & Anat. Plants) 3: 170-190. illus. 1933.

Russian with English summary.

Timofeeva, M. T.

Dinamika morozoustoichivosti ozimyykh rastenii v techenie zimy i kharakteristika morozovstoichivosti sortov ozimoi pshenitsy i osimoi rzhi (The dynamics of frost resistance in winter cereals and the characteristics of varieties from the point of view of their hardiness). Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys., Biochem & Anat. Plants) 3: 253-272. 1933.

Russian with English summary.

Volkov, I. A.

Vliianie prorashchivaniia v rastvorakh sakharov i glitserina na dal'neishee razvitie nekotorykh kul'turnyykh rastenii (The influence of germination in sugar solutions and in glycerine on the further development of some cultivated plants). Trudy Prikl. Bot., Gen. i Selek. Ser. III... (Bull. Appl. Bot., Gen. & Plant-breed. III. Ser., Phys. Biochem. & Anat. Plants) 3: 131-140. illus. 1933.

Russian with English summary.



Trudy Tsentr. Nauchno-Issl. Biokhim. Inst. Pishch. i Vkus. Promyshl. Nark. SSSR (Schrift. Zentr. Biochem. Forschungsinst. Nahr. u. Genussmittelind.) (Moskva) (389.9M85)

Obergrad, I. A. & Nechaev, D. A.

Materialy k polucheniiu letsitina iz soi (Beiträge zur gewinnung von lecithin aus soja). Trudy Tsentr. Nauchno-Issl. Biokhim. Inst. Pishch. i Vkus. Promyshl. Nark SSSR (Schrift. Zentr. Biochem. Forschungsinst. Nahr. u. Genussmittelind.) 2: 400-409. 1933. no.9.

Russian with German summary.

U.S. Dept. Agr. Circ. (1Ag84C)

Russell, P.

The oriental cherries. U.S. Dept. Agr. Circ. 313. 72 p. illus. Mr.1934(Ap.)

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)

Caldwell, J. S.

Hydriion concentration changes in relation to growth and ripening in fruits. U.S. Dept. Agr. Techn. Bull. 403. 53 p. F.1934.

Apples, citrus fruits, cherries, berries, tomatoes.

Stanton, T. R., Coffman, F. A. & Tapke, V. F.

Field studies on resistance of hybrid selections of oats to covered and loose smuts. U.S. Dept. Agr. Techn. Bull. 422. 9 p. Ap. 1934.

Věstník Českosl. Akad. Zeměd. (Prague) (19.5C332)

Čimelář, F. & Mostovoj, K.

Pokus o jarovisaci červeného jetele nízkou teplotou a použití nepřetržitého osvětlování pro jeho šlechtění. (Experiment about jarovization (vernalization) by means of low temperature and application of permanent light to selection of red clover). Věstník Českosl. Akad. Zeměd. 10: 157-163. illus. 1934. no.2/3.

English summary.

Stoklasa, J.

Nové objevy o fyziologickém působení draslíku na vitalní děje v bunce chlorofylové a chlorofylu prosté. (Neue entdeckungen über die physiologische wirkung des kaliums auf die vitalvorgänge der chlorophyllhaltigen und chlorophyllosen zelle) Vestník. Českosl. Akad. Zeměd. 10: 146-151. 1934. no.2/3.

German summary.



- Vestnik Dal'nev Fil. Akad. Nauk SSSR. (Bull. Far East. Br. Acad. Sci. OSSR) (511V843)  
Treumann, I.  
Problema dal'nevostochnogo agar-agara. (Agar-agar aus den rotalgen des kustengebietes des Fernen Ostens). Vestn. Dal'nev. Fil. Akad. Nauk SSSR (Bull. Far East. Br. Acad. Sci. UssR) 1933(1/3): 109-114.  
Russian with German summary.
- Vict. Nat. (Melbourne) (410V66)  
Coleman, E.  
Pollination of *Pterostylis acuminata* R. Br. and *Pterostylis falcata* Rogers. Vict. Nat. 50: 248-252. illus., pl. xl-xli. Mr.1934. no.11.
- Washington Hist. Quart. (Seattle) (134.8W27)  
Oliphant, J. O.  
The botanical labors of the Reverend Henry H. Spalding. Washington Hist. Quart. 25:93-102. Ap.1934. no.2.
- Reagan, A. B.  
Various uses of plants by West Coast Indians. Washington Hist. Quart. 25: 133-137. Ap.1934. no.2.
- Yearbk. Amer. Amaryllis Soc. (81Am394)  
Fischer, E. N.  
Origin of the Fisher (sic) color chart. Yearbk. Amer. Amaryllis Soc. 1:28-29. 1934.  
Adopted officially by Amer. Amaryllis Soc.
- Mead, T. L.  
Henry Nehrling as I knew him. Yearbk. Amer. Amaryllis Soc. 1:10-14. 1934.
- Shepardson, F. O.  
The Fisher (sic) color chart. Yearbk. Amer. Amaryllis Soc. 1: 29-30. 1934.
- Zeitschr. Forst- u. Jagdw. (Berlin) (99.9Z3)  
Röhde, T.  
Zur biologie der douglasienschütte. Zeitschr. Forst- u. Jagdw. 66: 151-156. Mr.1934. no.3.



Zhurn. Biobot, Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) (Kiev) (450J8212) Cholodny, N. G.

Materiali do kritika teorii fototropizmu Bliaŭ (Contributions to Blasauw's theory of phototropism) Zhurn. Biobot, Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 43-65. 1933.

Ukrainian with English summary.

Cholodny, N. G.

Problemi reguliuvannia zhitt'ovikh iavishch roslini (Probleme der regulierung der lebenserscheinungen bei den pflanzen) Zhurn. Biobot, Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 3-13. illus. 1933.

Ukrainian.

Kleopov, Iu. & Lavrenko, E.

Suchasniĭ stank kliāsifikatsiĭ Ukraïns'kikh stepiv (Ueber die gegenwärtige lage der klassifikation der Ukrainischen steppen) Zhurn. Biobot, Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(5/6): 7-21. 1933.

Ukrainian with German Summary.

Kleopov, Iu.

Zalishki stepovoï roslinnosti na kiivs'kii vi-sochini (Ueberreste einer steppenvegetation auf der sogenannten Kyjiwer anhöhe) Zhurn. Biobot, Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(5/6): 135-156. 1933.

Ukrainian with German summary.

Kolomiets, I. A.

V'ianennia u riznikh sortiv iarogo iachmeniu i sprobi kharakteristiki posukhovitrivalosti ikh (Welken bei verschiedenen sorten der sommergerste und versuch deren dürreresistenz zu charakterisieren) Zhurn. Biobot, Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 123-150. illus. 1933.

Ukrainian with German summary.

Kuz'menko, A. A.

Do metodiki vegetatsiinoï sprobi v zv'iazku z doslidzhenniami posukhovitrivalosti roslin (Zur methodik des vegetationsversuches im zusammenhang mit den untersuchungen über die dürreresistenz der pflanzen) Zhurn. Biobot, Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 105-111. illus. 1933.

Russian with German summary.



Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine (cont.))

Lavrenko, E. & Dokhman, G.

Roslinnist Starobil's'kikh stepiv (Die vegetation der Starobilsker steppen) Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(5/6): 23-133. illus. (incl. map) 1933.

Ukrainian with German summary.

Lazarenko, A. S.

Do briogeografiiï sikhidnoï Aziï (Zur bryogeographie Ostasiens). Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 177-184. 2 pl. 1933.

Ukrainian with German summary.

Levina, F.

Zalishki tsilinnoi stepovoï roslinnosti na kyp'ïanshchini u Velinko-burluts'komu raïoni (Ueberreste von neuland-steppen-vegetation im vormaligen bezirk Kupjansk (rayon Welykij-Burlitzk) Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(5/6): 185-200. 1933.

Ukrainian with German summary.

Liubins'kiï, M. A.

Novi dani do teoriiï i praktiki gorizental'nogo porometra v svitli zagal'nykh problem porometrichnoi metodiki (Beiträge zur theorie und praxis des horizontal-porometers im lichte der allgemeinen probleme der porometrischen methodik) Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk. (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 67-104. illus. 1933.

Ukrainian with German summary.

Margara, I. V.

"Stikannia" iak odnoa z prichin zmeshennia urozhainosti cernovykh kul'tur (Das abfliessen als eine der ursachen der ertragsabnahme bei gräsern) Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 15-28. illus. 1933.

Ukrainian with German summary.



Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk. (Journ. Cycle Bot. Acad. Sci. Ukraine (cont.)

Moissejewa, M. N.

Vplov zmini geotropichnogo polozhennia na rozpodil mitozuu koreni tsibuli (The effect of alterations of the root's geotropical position on the distribution of mitoses). Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 117-121. 1933.

Experiments with onion.

Ukrainian with English summary.

Oksner, A. N.

Novi vidi obrisnikiv z Aziï (Species lichenum novae ex Asia) Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 167-172. 1933.

Ukrainian with Latin diagnoses (Cetraria annae, C. potaninii, Buellia gorjaginii, Parmelia tominii, Aspicilia transbaicalica, also f. pallida of last named)

Oleksiiiv, A.

Stepovi tsilini Grishins'kogo raionu na Artemivshchini (Steppenland des rayons Grischin (des vormaligen bezirks Artemiw) Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(5/6): 201-206. 1933.

Ukrainian with German summary.

Votchak, E. P.

Rozpodil tsukru v elementakh riznykh tkanin tsukrov ykh buriakiv (Ueber die zuckerverteilung in verschiedenen gewebeelementen der zuckerrübe) Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 209-210. 1933.

Ukrainian.

Votchak, E. P.

Teoriia pokhodzhennia nevrozhaiu v umovakh posukhi ta posukhovitralist S.-G. roslin (Missernte als folge der dürre und die dürre-resistenz der landwirtschaftlichen gewächse). Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 207-208. 1933.

Ukrainian.



Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk. (Journ. Cycle Bot. Acad. Sci. Ukraine (cont.)

Zankevich, E. Kh.

Pro deiaki patologichni i fiziologichni iavishcha u Zygnemaceae sposterezhuvani v nezrivotovazhenikh rozchinakh solei (Ueber einige pathologische und physiologische erscheinungen bei zygnemaceen, die in nichtäquibrierten salzlösungen beobachtet wurden) Zhurn. Biobot. Tsiku Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 29-42. ii pl. 1933.

Ukrainian with German summary.

Zerov, D. K.

Do vivchennia sfagnovoi flori Usuriis'kogo kraiu (Zur kenntnis der torfmoose des Ussuri-gebiets).

Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukarine) 2(7/8): 173-176. 1933.

Ukrainian with German summary.

Zerova, M.Ia.

Khvorobi Scorzonera tau-saghyz Lipsch. et Bosse Ukraini (Ueber die krankheiten der Scorzonera tau-saghyz in der Ukraine). Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(7/8): 151-165. illus. 1933.

Ukrainian with German summary and Latin diagnoses of new species (Phyllosticta tau-saghyziana, Macrosporium tau-saghyzianum, Myrothecium transchelium)

Zoz, I.

Roslinnist Mikhailivs'koï tselini na Sumshchini (Die vegetation des Michailiwschen neulandes (vormals bezirk Sumy) Zhurn. Biobot. Tsiklu Vuan Vseukraïns. Akad. Nauk (Journ. Cycle Bot. Acad. Sci. Ukraine) 2(5/6): 157-184. 1933.

Ukrainian with German summary.

Der Züchter (Berlin) (442.8Z8)

Laibach, F.

Zum wachsstoffproblem. Der Züchter 6: 49-53. illus. Mr.1934. no.3.

Safta, I.

Ein beitrage zur züchtung des rotklees auf geringen blattverlust. Der Züchter 6: 61-62. Mr. 1934. no.3.



Der Züchter (cont.)

Schreiber, F.

Zur genetik der weissen samenfarbe bei  
*Phaseolus vulgaris*. Der Züchter 6: 53-61.  
illus. Mr. 1934. no.3.

Sengbusch, R.v.

Die prüfung des geschmacks und der giftigkeit  
von lupinen und anderen leguminosen durch tierver-  
suche unter besonderer berücksichtigung der züchter-  
isch brauchbaren methoden. Der Züchter 6: 62-72.  
illus. Mr.1934. no.3.

Expt. Stat. Publ.

Arizona agricultural experiment station.

Notes on plant diseases. In its Ann. Rep.  
44(1932/33(Aiding Arizona's agriculture): 73-75.  
1933. (100Ar4)

J.G. Brown plant pathologist.

Blodgett, F. M. & Howe, F. B.

Factors influencing the occurrence of potato  
scab in New York. Cornell Agr. Exp. Stat. Bull.  
581. 12 p. illus. F. 1934. (100N48C)

New Jersey agricultural experiment station - Dept.  
of plant pathology.

Leaf spot of *Aucuba*. Its Nursery Dis. Notes  
6: 35-36. Mr.1934. (464.9N46)

*Phyllosticta aucubae*.

New Jersey agricultural experiment station - Dept.  
of plant pathology.

White mold of sweet pea. Its Nursery Dis.  
Notes 6: 34-35. Mr.1934. (464.9N46) no.9.

*Cladosporium album*.

New Mexico agricultural experiment station.

Biology In its Ann. Rep. 44(1932/33): 36-  
44. 1933 (100N465)

Includes notes on diseases. R. F. Crawford  
biologist.

Shoemaker, J. S.

A note on the hardiness of buds of peach  
varieties. Ohio Agr. Exp. Stat. Bi-month.  
Bull. 19(166): 18-21. Ja./F.1934. (1000h3S)

Fairburn, D. C.

Growth responses of the gladiolus as influenced  
by storage temperatures. Iowa Agr. Exp. Stat. Res. Bull.  
170: 93-119. illus. F.1934(100Io9)



Expt. Stat. Publ. (cont.)

Sleeth, B.

*Fusarium niveum*, the cause of watermelon wilt.  
West Virginia Agr. Exp. Stat. Bull. 257. 23 p.  
illus. F.1934(100W52)

New Books

Baker, C. E.

Water conductivity in the apple tree as  
affected by pruning and drought. Urbana, Ill.,  
1933. (93.5B17)

Abstract of thesis (Ph.D) Univ. of Illinois, 1931.

Bukasov, S. M.

Revoliutsia v selektsii kartofelia [Revolution-  
ary methods in the breeding of potatoes] Lenin-  
grade, Izdanie Vsesoiuznogo instituta rasteniievod-  
stva, 1933. (75B86)

Russian.

Chardon, C. E. & Toro, R. A.

Exploraciones micologicas en Venezuela.

Caracas, Lit. y Tip. del Comercio, 1932. (Pamph.462.17C)

Reprinted from Bol. Soc. Venezolana de Cienc.

Nat. no.8. p.281-294.

Doak, C. C.

The long shoot and the dwarf shoot of pines.

Urbana, Ill., 1933 (463.5D65)

Summary of thesis (Ph.) Univ. of Illinois, 1933.

Dordevic, P.

Bolest brestova Slavovskim shumana [The elm  
disease in Slavonic forests] Beograd, 1933  
(464.07D72Bo)

Elves, H. J.

A supplement to Elves Monograph of the genus  
*Lilium* by A. Grove... illustrated by Lilian Snel-  
ling. pt.1. London, Dulau, J1. 1933 (f<sup>o</sup>452.3E18M)

Kirchner, O. von.

Lebengeschichte der blütenpflanzen Mittel-  
europas... Fortgeführt von W. Wangerin, C. Schröter  
... lfg. 46 (bd.1, abt.3: Iridaceae (schluss) von  
F. Buxbaum) Stuttgart, E. Elmer, 1934 (459K633)

Lemée, A.

Dictionnaire descriptif et synonymiques des  
genres de plantes phanérogames. v.5 (Pal-Sci)  
Brest, Imp. commerciale et administrative, 1934.  
(452L542)



New Books (cont.)

Patel, Z. H.

Cause of seed abortion in soybeans and other crop plants. Urbana, Ill., 1933 (60.3P272)

Abstract of thesis, Univ. Illinois.

Schenk, P. J.

Albumbladen van plantenziekten en -beschadigen. Haarlem, Floralia, 1930 (464.08Sch2)

Schnarf, K.

Embryologie der gymnospermen. Berlin, Borntraeger, 1933 (Handbuch der pflanzenanatomie... hrsg. von K. Linsbauer. II. Abt., 2.

teil, bd.10/2 (1fg.30) (463.4H194)

Shoemaker, J. S.

Small-fruit culture. Philadelphia, Blakiston 1934 (94Sh7)

Sinskaja, E. N..

Ekologicheskaja sistema selektsii kormovykh rastenii (Ecological system of breeding forage plants) Leningrad, Izdanie Vsesoiuznogo instituta rasteniévođstva, 1933. (60Si6)

Russian.

Sredneaziatskii nauchno-issledovatel'skii institut po khlopkovodstvu - Tsentral'naja selektsionnaja stantsiia.

Genetika, selektsiia i semenovodstvo khlopchatnika. Moskva, Leningrad, 1933. (72Sr22)

Russian.

Taylor, G.

An account of the genus Meconopsis. London, New Flora and Silva, 1934. (452.3121)

Non-current indexing.

Acta Horti Bot. Latv. (Riga) (451135)

Briedis, A.

Laboulbeniaceae in Latvia. Acta Horti Bot. Latv. 7: 131-133. 1932. no.1/3.

Preliminary note.



Non-current indexing. (cont.)

Acta Horti Bot. Latv. (cont.)

Malta, N.

A survey of the Australasian species of *Ulota*.  
Acta Horti Bot. Latv. 7: 1-24. illus. 1932.  
no.1/3.

*U. breviseta*, *U. laticiliata*, *U. bellii*, *U. dixonii* n.spp.

Mühlenbach, V.

Die adventivflora des Rigaer eisenbahn knotens.  
Acta Horti Bot. Latv. 7: 87-130. 1932. no.1/3.

Skuja, H.

Beitrag zur algenflora Lettlands. I.  
Acta Horti Bot. Latv. 7: 25-85. 1932. no.1/3.

Acta Soc. Bot. Polon. (Warsaw) (451Sol6)

Kozłowski, A.

Krystaliczny związek miedziowy glutationu.  
(A crystallized copper compound of the glutathion  
of yeast). Acta Soc. Bot. Polon. 8: 181-182.  
1931. no.3/4.

Very brief English summary: p.182.

Skupiński, F. X.

Influence du rouge neutre sur le développement  
de certain myxomycètes. Acta Soc. Bot. Polon.  
8: 133-140. 1931. no.3/4.

Szarska, S. C.

Uwagi o kilku krytycznych turzycach polskich.  
(Rémarques critiques sur quelques Carex polonais)  
Acta Soc. Bot. Polon. 8: 183-189. illus. 1931.  
no.3/4.

French résumé: p.188-189.

Szymańska, S.

Budowa aparatu szparkowego u Polytrichaceae.  
(Structure de l'appareil stomatique chez les  
Polytrichaceae). Acta Soc. Bot. Polon. 8: 141-  
156. illus. 1931. no.3/4.

French résumé: p.154-156.



Non-current Indexing. (cont.)

Acta Soc. Bot. Polon. (cont.)

Wiśniewska, E.

Rozwój ziarn pyłku u *Potamogeton perfoliatus* L.  
(Die entwicklung der pollenkörner bei *Potamogeton perfoliatus* L.) Acta Soc. Bot. Polon. 8: 157-174.  
illus. 1931. no.3/4.

German summary: p.171-174.

Wodziczko, A. & Pustolaja, B.

*Betula nana* L. in the district of Święciany  
(northeastern Poland). Acta Soc. Bot. Polon.  
8: 175-179. illus. 1931. no.3/4.

Wóycicki, Z.

O procesie kiełkowania nasion i o charakterze  
wyrodneinienia zarządków u *Haemanthus katharinae*.  
(Ueber den keimungsprozess der samen und den degene-  
rationscharakter der samenanlagen bei *Haemanthus*  
*katharinae*). Acta Soc. Bot. Polon. 8: 85-108.  
illus., pl. iii-iv. 1931. no.3/4.

German summary: p.103-108.

Rev. Col. Nac. Vicente Rocafuerte (Guayaquil) (516G93)  
Campos, R.F.

Afecciones vegetales el hongo *Ustilago maydis*  
(D.C.) Corda causante del "tizón" o "carbon" del  
maíz. Rev. Col. Nac. Vicente Rocafuerte 13(44):  
113-115. pl. 1931.

Harms, H.

Contribucion al conocimiento de *Lysiloma guachapeli*  
(H.B.K.) Benth. Rev. Col. Nac. Vicente  
Rocafuerte 12(42/43): 27-31. 1930.

*Pseudosamanea* nov.gen. *P.guachapeli*.

Sodirol, L.

*Sertula florae* ecuadorensis ser. 4a. Gramineas  
ecuatorianas. 2.parte. Rev. Col. Nac. Vicente  
Rocafuerte 12(40/41): 55-96. 4 pl. 1930.

Trudy Tomsk. Gosud. Univ. (Bull. Tomsk State Univ.) (511T59)  
Chekov, V. P. & Kartashova, N. N.

Karyo-sistematicheskoe issledovanie tribusov  
*Loteae* Benth. i *Phaseoleae* Bronn. sem. Leguminosae  
Juss. (Karyo-systematische untersuchung der tribus  
*Loteae* und *Phaseoleae*...) Trudy Tomsk. Gosud.  
Univ. (Bull. Tomsk State Univ.) 85: 1-22. 4 pl.  
1932.

Russian with German summary.



Non-current Indexing. (cont.)

Trudy Tomsk. Gosud. Univ. (Bull. Tomsk State Univ.) (cont.)

Chekov, V. P.

Luga reki Tomi i ikh khoziaistvennaia otsenka po dannym 1926 g. (Die wiesen des flusses Tomj und ihre wirtschaftliche abschätzung den ergebnisse des jahres 1926 nach) Trudy Tomsk. Gosud. Univ. (Bull. Tomsk State Univ.) 85: 36-44. 2 tab. 1932.

Russian.

Chekov, V.

Materialy po kharakteristike sortov tomat pri kul'ture ikh v usloviakh nechernozemnoi polosy Tomskogo raiona (Materialien über die charakteristik der tomatensorten bei ihrer kultur unter bedingungen keiner schwarzerdezone de bezirkkes von Tomsk) Trudy Tomsk. Gosud. Univ. (Bull. Tomsk. State Univ.) 85: 127-135. illus. 1932.

Russian with German summary.

From Botanicheskii sad T.G.U. (Signed V. Chekov, & N.N. Kartasheva)

Chekov, V. P. & Zameraeva, I.K.

Vliianie X luchei na rasteniia. Orientirovochnyi opyt leta 1930 g. (Einfluss der X-strahlen auf die pflanzen. (Orientierungsversuch des sommers 1930) Trudy Tomsk. Gosud. Univ. (Bull. Tomsk. State Univ.) 85: 23-35. 4 pl. 1932.

Russian.

Nikitina, E. V.

Botanicheskii analiz torfa iz torfianika Kuznetskogo uезда (Botanische torfanalyse eines torfmoors des Kusnetzker kreises). Trudy Tomsk. Gosud. Univ. (Trans. Tomsk. State Univ.) 75: 240-241. 1925.

Russian.

Reverdatto, V. V.

Lugovnaia rastitel'nost doluny r. Tomi v predelakh Kuznetskogo i Shcheglovskogo uездov (Die wiesenvegetation des tales des flusses Tomj innerhalb des Kusnetzker und Schtscheglovsker dreises). Trudy Tomsk Gosud. Univ. (Trans. Tomsk State Univ.) 74: 153-199. 3 pl. 1924.

Russian.



Non-current indexing. (cont.)

Trudy Tomsk. Gosud. Univ. (Bull. Tomsk. State Univ.) (cont.)  
Savostin, P. V.

O vliianii kisloroda na energiiu fotosinteza  
(Ueber den einfluss des sauerstoffes auf die ener-  
gie der photosynthese) Trudy Tomsk. Gosud. Univ.  
(Bull. Tomsk State Univ.) 85: 59-66. 1932.

Russian with German summary.

Tomsk. Gosudarstvennyi universitet - Kafedra selek-  
tsii tsitologii i genetiki rastenii TGU.

Vliianie X-lucheii na rasteniia (Einfluss der  
X-strahlen auf pflanzen) Trudy Tomsk. Gosud.  
Univ. (Bull. Tomsk. State Univ.) 85: 65-126. 5 pl.  
1932.

Kurzer vorläufiger bericht über arbeiten X,  
1930-x.1931) Vorstand des Katheders W. Tschechov  
(Chekov)

Russian with German summary.

Translations filed in Library of Bur. of plant industry.

Bos, H.

Het af- en insterven van bomen (The dying-down  
and in-dying of trees) Tijdschr. Plantenz. 30:  
132-142. 1924.

Buisman, C.

Overzicht van de soorten van iepen, in verband  
met het iepenziekteonderzoek (Survey of the elm var-  
ieties in connection with the elm disease investiga-  
tion) Tijdschr. Plantenz. 37: 111-116. 1931.

Cieslar, A.

Ueber das auftreten des hallimasch (Agaricus mel-  
leus Vahl) in laubholzwaldungen (On the appearance  
of the hallimasch (Agaricus melleus in hardwood for-  
ests) Centralbl. Ges. Forstw. 22: 19-26. 1896.

Dörries, W.

Ueber ein laubblatt-spektroskop (On a leaf spectro-  
scope) Ber. Deut. Bot. Ges. 50: 47-52. Mr.29, 1932.

Faes, H.

Les dommages causés aux cultures par les usines  
d'électro-chimie (Damage caused to cultures by electro-  
chemical factories) Lausanne, Payot &c, 1921.

Abstract in English.



# BOTANY

CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY

RECEIVED

★ MAY 21 1934 ★

U. S. Department of Agriculture

Vol. 16, no. 9.

Apr. 23-May 5, 1934.

Acta Bot. Fenn. (Helsingfors) (451H36A)

Lemberg, B.

Ueber die vegetation der flugsandgebiete an  
den küsten Finnlands. Acta Bot. Fenn. 12.  
143 p. illus., viii pl. 1933.

Acta Geographica (Helsingfors) (511H367A)

Auer, V.

Verschiebungen der wald- und steppengebiete  
Feuerlands in postglazialer zeit. Acta  
Geographica v.5, no.2. 313 p. illus., 10 pl.  
incl. map. 1933.

Acta Phytogeogr. Suecica (Upsala) (451Ac82)

Osvald, H.

Vegetation of the Pacific coast bogs of North  
America. Acta Phytogeogr. Suecica no.5. 32 p.  
illus. (incl. map), iv pl. on 2. 1933.

Peat bogs mainly in Fraser Riv. Valley, one in  
Whatcom Co., Washington and one on Vancouver Isl.  
near Somenos.

Addisonia (New York) (450Ad2)

Addisonia. v.18, no.3. col.pl. 593-600.

Mr. 1934.

Erythronium albidum, Jacquemontia reclinata,  
Hemerocallis exaltata, Cleistes divaricata, Samodia  
ebracteata, Parnassia caroliniana, P. grandifolia,  
Macleania cordifolia.

Agr. et Elev. Congo Belge. (26Ag84)

Wildeman, E. de

Le chaulmoogra et la lutte contre la lèpre.  
Agr. et Elev. Congo Belge 8: 56-57. Ap. 1934.  
no.4.

23

BRDA  
LIB

350-372



- Amer. Potato Journ. (75.8P842)  
 Stevenson, F.J. & Clark, C. F.  
 New potato varieties. Amer. Potato Journ.  
 11: 85-92. Ap.1934. no.4.
- Ann. Inst. Pasteur (Paris) (448.3An75)  
 Chargaff, E.  
 Etude des pigments caroténoïdes de quelques  
 bactéries. Ann. Inst. Pasteur 52: 415-423.  
 Ap. 1934. no.4.  
 Sixième communication sur la chimie des bac-  
 téries.
- Ann. Bot. (London) (450An7)  
 Adamson, R. S.  
 Anomalous secondary thickening in Compositae.  
 Ann. Bot. 48: 505-514. illus. Ap. 1934. no.190.  
 Shrubby members of Compositae from south-  
 western Cape region of South Africa.
- Barnes, B.  
 Spore discharge in *Basidiobolus ranarum* Eidam.  
 Ann. Bot. 48: 453-457. Ap. 1934. no.190.
- Berry, W. E. & Steward, F. C.  
 The absorption and accumulation of solutes by  
 living plant cells. VI. The absorption of potassium  
 bromide from dilute solution by tissue from various  
 plant storage organs. Ann.Bot. 48: 395-410.  
 illus. Ap. 1934. no.190.
- Carter, F. M.  
 Investigation of factors affecting advance of  
 certain 'apple-spot' fungi within the host tissue.  
 Ann. Bot. 48: 363-394. Ap. 1934. no.190.
- Cartwright, K. St.G. & Findlay, W.P.K.  
 Studies in the physiology of wood-destroying  
 fungi. II. Temperature and rate of growth. Ann.  
 Bot. 48: 481-495. pl.x. Ap. 1934. no.190.
- Crookall, R.  
 The relationship between the floras of the  
 British coal measures and those of the Stephanian  
 and Permian. Ann. Bot. 48: 433-439. Ap.1934.  
 no.190.



Ann. Bot. (cont.)

Duerden, H.

On the occurrence of vessels in Selaginella.

Ann. Bot. 48: 459-465. pl.ix. Ap.1934. no.190.

Haines, F. M.

Plegetropism and the statolith theory.

Ann. Bot. 48: 335-346. illus. Ap.1934. no.190.

Hicks, P. A.

Interaction of factors in the growth of Lemna.

V. Some preliminary observations upon the interaction of temperature and light on the growth of Lemna. Ann. Bot. 48: 515-525. Ap. 1934. no.190.

Lefebvre, C. L.

Penetration and development of the fungus, Beauveria bassiana, in the tissues of the corn borer. Ann. Bot. 48: 441-452. illus., pl.viii. Ap. 1934. no.190.

Levyns, M. R.

The cytology of Lobostemon and Echiostachys in relation to taxonomy. Ann. Bot. 48: 355-362. illus. Ap.1934. no.190.

Mason, T.G. & Phillis, E.

Studies on the transport of nitrogenous substances in the cotton plant. VI. Concerning storage in the bark. Ann. Bot. 48: 315-333. Ap.1934. no.190.

Parija, P. & Saran, A. B.

The effect of light on the respiration of starved leaves. Ann. Bot. 48: 347-354. illus. Ap. 1934. no.190.

Richards, F. J.

On the use of simultaneous observations on successive leaves for the study of physiological change in relation of leaf age. Ann. Bot. 48: 497-504. Ap. 1934. no.190.

Saxton, W. T.

Notes on conifers. VIII-IX. Ann. Bot. 48: 411-427, 429-431. illus. Ap.1934. no.190.

VIII. The morphology of Austrotaxus spicata Compton. IX. The ovule and embryogeny of Widdringtonia.



Ann. Bot. (cont.)

Woodhead, N.

Studies in growth and differentiation. V.  
Histological and metabolic changes during wound-  
healing in *Kleinia articulata* Haw. Ann. Bot.  
48: 467-480. illus. Ap. 1934. no.190.

Ann. Rep. Pom. & Fruit Grow. Soc. Quebec. (82Q3)

Hockey, J. F.

Some effects of sprays on apple quality.  
Ann. Rep. Pom. & Fruit Grow. Soc. Quebec 39(1932):  
49-55. [1933?]

Arch. Protistenk. (Jena) (439.8Ar2)

Bachmann, E.

Pilz-, tier- und scheingallen auf flechten.  
I. Arch. Protistenk. 82: 1-22. illus. 1934. no.1.

Bachmann, E.

Ueber den lagerbau moosbewohnender flechten. II.  
Arch. Protistenk. 82: 23-44. illus. 1934. no.1.

Geitler, L.

Beiträge zur kenntnis der flechtensymbiose.  
IV-V. Arch. Protistenk. 82: 51-85. illus., col.  
pl. 1934. no.1.

Wagner, J.

Beiträge zur kenntnis der *Nitzschia putrida*  
Benecke, insbesondere ihrer bewegung. Arch.  
Protistenk. 82: 86-113. illus. 1934. no.1.

Ark. Bot. (Stockholm) (451Sv2)

Redinger, K.

Die graphidineen der ersten Regnell'schen  
expedition nach Brasilien 1892-94. II. Graphina  
und Phaeographina. Ark. Bot. v.26, no.1.  
105 p. illus., 7 pl. 1934 (S.14,1933)

Austral. Journ. Exp. Biol. & Med. Sci. (Adelaide) (442.8Au7)

Dadswell, I. W.

The chemical composition of some plants used  
by Australian aborigines as food. Austral. Journ.  
Exp. Biol. & Med. Sci. 12: 13-18. Mr.16,1934.  
no.1.

Collected in neighborhood of Mt. Liebig, Northern  
Terr.



Biochem. Zeitschr. (Berlin) (384B522)

Blagowestschenski, A. V. & Schubert, T. A.

Bestimmung einiger aminosäuren in globulin  
der sonnenblumensamen. Biochem. Zeitschr.  
269: 375-378. Mr.31, 1934. no.4/5.

Olsen, C.

Ueber die manganaufnahme der pflanzen.  
Biochem. Zeitschr. 269: 329-348. illus. Mr.31,  
1934. no.4/6.

Der Biologe. (München) (442.8B527)

Eddelbüttel, H.

Ein einfaches atmometer für vegetationskund-  
liche schülerübungen. Der Biologie 3: 93-97.  
illus. Ap.1934. no.4.

Lehmann, E. & Maier, W.

Vererbungsversuche an pflanzen in der schule.  
Der Biologe 3: 98-101. Ap.1934. no.4.

Blumen u. Pflanzenb. (Berlin) (80B623)

Blossfeld, H.

Interessantes um die befruchtung bei Ficus  
elastica. Blumen u. Pflanzenb. 38: 185.  
illus. Ap.6, 1934. no.14.

Kache, P.

Zur eigenen anzucht von palmen. Blumen u.  
Pflanzenb. 38: 175-176. Ap.6, 1934. no.14.

Boll. R. Uffic. Serv. Agrari Tripolit. (24T733)

Cairno, V. di

Anguillula e mezzi di lotta. Boll. R. Uffic.  
Serv. Agrari Tripolit. 3: 95-98. Mr. 1934. no.3.

Bulet. Cult. și Ferm. Tutun. (Bull. Inst. Cult. & Ferm.  
Tabac) (Bucurest) (69.8B87)

Ghimpu, V.

Afecțiunile patologice și inamicii tutunului  
din România in 1933. (Les affections pathologiques  
et les ennemis des tabacs en Roumanie pendant  
l'année 1933) Bulet. Cult. și Ferm. Tutun.  
(Bull. Inst. Cult. & Ferm. Tabac.) 22: 396-401.  
O./D. 1933. no.4.

French résumé: p.400-401.



Hulet. Grad. Bot. Univ. Cluj (Roumania) (451C62)  
Borza, A.

Despre *Artemisia caucasica*, cu observatiuni  
critica asupra artemisiilor alpine eurasiatice.  
(*Artemisia caucasica*, nebst kritischen bemerkungen  
über eurasiatische hochgebirgsartemisien).  
Bulet. Grad. Bot. Univ. Cluj 13: 20-46. illus.,  
pl. ii-iv. 1934. no.1/4.  
German summary: p.43-46.

Borza, A.

*Mimulus moschatus* si *guttatus* in flora  
Romaniei. (*Mimulus moschatus* und *guttatus* in der  
flora Rumäniens). Bulet. Grad. Bot. Univ. Cluj  
13: 52-53. 1934. no.1/4.  
German summary: p. 53.

Buturá, V.

Plante de leac din reguinea Mocanilor de pe  
Aries. Notite etnobotanice. Bulet. Grad. Bot.  
Univ. Cluj 13: 106-110. 1934. no.1/4.

Homieu, V.

*Galinsoga parviflora* Cav. si *G. aristulata*  
Bickn. in România. (*Galinsoga parviflora* Cav. und  
*G. aristulata* Bickn. in Rumänien). Bulet. Grad.  
Bot. Univ. Cluj 13: 47-50. 1934.  
German summary: p.49-50.

Nyárády, E. J.

Adnotatiuni la flora României. VIII. (Glossary zur  
flora Rumänien. VIII) Bulet. Grad. Bot. Cluj  
13: 67-77. illus. 1934. no.1/4.

Nyárády, E. J.

Despre grupa "*Auricomus*" a genului *Ranunculus*.  
Bulet. Grad. Bot. Univ. Cluj 13: 85-101. illus.  
1934. no.1/4.

Nyárády, E. J.

Noutăți din Cheia Turzii. (Novitäten aus der  
Turdaer-schlucht). Bulet. Grad. Bot. Univ. Cluj  
13: 57-58. 1934. no.1/4.

Nyárády, E. J.

*Peloria la kickxia spuria* (L.) Dunn. din  
tinutul Clujului (*Pelorie* bei *Kickxia spuria*  
(L.) Dunn. aus der umgebung von Cluj) Bulet.  
Grad. Bot. Univ. Cluj 13: 54-56. illus. 1934.  
no.1/4.



Bulet. Grad. Bot. Univ. Cluj (cont.)

Pop, E.

Analize de polen in turba din Bucegi si Caeh-  
läu. (Analyse de pollen dans la Tourbe des Bucegi  
et du Caehläu). Bulet. Grad. Bot. Univ. Cluj

13: 1-19. pl. i (fold.tab.) 1934. no.1/4.

French summary: p.15-18.

Pop, E.

Equisetum maximum Lam. din Roumânia. Note sis-  
tematuce. I. Bulet. Grad. Bot. Univ. Cluj

13: 78-83. illus. 1934. no.1/4.

German summary: p.83-84.

Pop, E.

Notite teratologice. Bulet. Grad. Bot. Cluj

13: 102-106. illus. 1934. no.1/4.

German summary: p.105-106.

Wachner, H.

Ein fundort von Linaria alpina (L.) Miller in  
den rumänischen Karpathen. Bulet. Grad. Bot.

Univ. Cluj 13: 51-52. 1934. no.1/4.

Zahn, K. H.

Neue beiträge zur Hieracium-flora Rumaniens.

Bulet. Grad. Bot. Univ. Cluj 13: 59-67. 1934.  
no.1/4.

Bull. Agr. Congo Belge (Bruxelles) (24K83)

Lejeune, J.B.H.

Contribution à l'étude des plantes textiles  
cultivées au Congo Belge. Bull. Agr. Congo

Belge 24: 475-480. illus. D.1933. no.4.

Pynaert, L.

L'ambrevade. Bull. Agr. Congo Belge 24: 459-  
474. illus. D.1933. no.4.

Cajanus cajan.

Bull. Assoc. Chim. Sucrierie & Distill. France & Colon.

(Paris) (383As7)

Bougy, E.

Recherches sur des hybrides de betteraves 1925-  
1933. Bull. Assoc. Chim. Sucrierie & Distill.

France & Colon. 51: 25-33. Ja.1934. no.1.



Bull. Soc. Centr. For. Belgique (99.9B83)

Delevoy, G.

La nomenclature des essences forestieres.

Bull. Soc. Centr. For. Belgique 1934: 107-127.

Mr.1934. no.3.

Bull. Torr. Club (451T63B)

Baldwin, H. I.

Some physiological effects of girdling northern hardwoods. Bull. Torr. Club 61: 249-257. My.

1934. no.5.

Berry, E. W.

Pleistocene plants from Cuba. Bull. Torr. Club 61: 237-240. pl.14. My.1934. no.5.

Saeger, A.

Spirodela oligorrhiza collected in Missouri.

Bull. Torr. Club 61: 233-236. pl.13. My.1934. no.5.

Steinberg, R. A.

The so-called "chemical stimulation" of *Aspergillus niger* by iron, zinc, and other heavy metal poisons. Bull. Torr. Club 61: 241-248. My.

1934. no.5.

Thayer, G. B.

Inheritance of cotyledonary characters in *Cucurbita pepo*. Bull. Torr. Club 61:263-269. illus. My.1934. no.5.

Williams, L.

Field and herbarium studies. II. Bull. Torr. Club 61: 259-262. My.1934. no.5.

*Lepidium nelsonii*, *L. tenellum*, *L. tortum*, *Potentilla albiflora*, *P. rubida* and *Parosela paysoniae*, n.spp.

Bull. U.S. Golf Assoc. Green Sect. (Washington, D.C.) (60.18Un3)

Conover, T.

Weeding Bermuda grass out of creeping bent grass. Bull. U.S. Golf Assoc. Green Sect.

13: 179-182. illus. D.1933. no.6.

Dahl, A. S.

Relationship between fertilizing and drainage in the occurrence of brownpatch. Bull. U. S. Golf Assoc. Green Sect. 13: 136-139. O.1933. no.5.



Bull. U. S. Golf Assoc. Green Sect. (cont.)

Grau, F. V.

Use of sodium chlorate and other chemicals in  
controlling turf weeds. Bull. U.S. Golf Assoc.  
Green Sect. 13: 154-179. illus. D.1933. no.6.

Monteith, J. & Welton, K.

Use of peat and other organic materials on  
golf courses. Bull. U.S. Golf Assoc. Green Sect.  
13: 90-110. illus. Ag.1933. no.4.

Reid, M. E.

Effect of variations in concentration of  
mineral nutrients upon the growth of several types  
of turf grasses. Bull. U. S. Golf Assoc. Green  
Sect. 13: 122-131. illus. O.1933. no.5.

Reid, M. E.

Effects of shade on the growth of velvet bent  
and Metropolitan creeping bent. Bull. U. S. Golf  
Assoc. Green Sect. 13: 131-135. illus. O.1933.  
no.5.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

California cacti. XI. *Coryphantha*. Cactus  
& Succ. Journ. 5: 556-560. illus. Ap.1934. no.10.

Jones, M. E.

A new species of *Lophocereus*. Cactus &  
Succ. Journ. 5: 546. Ap.1934. no.10.  
*Lophocereus gatesii*.

Pierce, W. M.

Raising cacti from seed. Cactus & Succ.  
Journ. 5: 547-550. illus. Ap.1934. no.10.

Poindexter, R. W.

Some remarks on *Mesembryanthemums*. (cont.)  
Cactus & Succ. Journ. 5: 553-555. illus. Ap.  
1934. no.10.

Schnalge, K. G.

*Theolocactus ysabelae*, a new species.  
Cactus & Succ. Journ. 5: 551. illus. Ap.1934.  
no.10.



- Canad. Journ. Res. (Ottawa) (330.9C16C)  
Henry, A. W.  
Observations on the variability of *Polyspora lina* Lafferty. Canad. Journ. Res. 10: 409-413.  
ii pl. Ap.1934. no.4.
- McCalla, A. G.  
Amide nitrogen in germination seeds. Canad. Journ. Res. 10: 430-434. Ap.1934. no.4.
- Newton, R. & McCalla, A. G.  
Effect of frost on wheat at progressive stages of maturity. I. Physical characteristics of the kernels. Canad. Journ. Res. 10: 414-429.  
Ap.1934. no.4.
- Chinese Journ. Physiol. (Pieping) (447.8044)  
Kao, H.-C.  
Nitrogen distribution in the leaf proteins of Chinese cabbage during growth. Chinese Journ. Physiol. 7: 379-386. F.15, 1934. no.4.
- Tang, P.-S. & French, C. S.  
The rate of oxygen-consumption by *Chlorella pyronoidosa* as a function of temperature and of oxygen tension. Chinese Journ. Physiol. 7: 353-377. F.15, 1934. no.4.
- Compt. Rend. Acad. Sci. Paris (505P21)  
Dubois, G. & Dubois, C.  
Sur les modifications forestières flandriennes de la région parisienne. Compt. Rend. Acad. Sci. Paris 198: 1445-1446. Ap.16, 1934. no.16.
- Malençon, G.  
Nouvelles observations concernant l'étiologie du bayoud. Compt. Rend. Acad. Sci. Paris 198: 1367-1370. Ap.9, 1934. no.15.
- Moret, L.  
Sur les algues cariantes du groupe des cyanophycées à propos d'observations nouvelles faites au Lac de Marinnet, dans le massif de Chambeyron (Basses-Alpes) Compt. Rend. Acad. Sci. Paris 198: 1449-1451. Ap.16, 1934. no.16.
- Palfray, L. & Lepesqueur, A. M.  
Sur la constitution de l'essence de carotte. Compt. Rend. Acad. Sci. Paris 198: 1365-1367.  
Ap.9, 1934. no.15.



Compt. Rend. Acad. Sci. Paris (cont.)

Truffaut, G. & Pastac, S.

De l'influence sur les végétaux de l'application  
par contacts de courants électriques. Compt.  
Rend. Acad. Sci. Paris 198: 1363-1365. Ap.9,  
1934. no.15.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Gratia, A.

Identification sérologique et classification  
des virus des plantes. Distinction entre l'antigène  
mosaïque et l'antigène végétal. Compt. Rend.  
Soc. Biol. Paris 115: 1239-1241. 1934. no.11.

Current Science (Bangalore) (475Sci23)

Joshi, A. C.

Croton sparsiflorus reaches United Provinces.  
Current Science 2: 344-345. Mr. 1934. no.9.

Richharia, R. H.

The number of microsporangia in each stamen in  
Asclepiadaceae. Current Science 2: 340-342.  
Mr. 1934. no.9.

Seshadri, T. R.

Colour of cotton flowers. Current Science  
2: 343-344. Mr. 1934. no.9.

Tiwary, N. K. & Rao, V. S.

A preliminary note on the embryosac develop-  
ment of Callistemon linearis. Current Science  
2: 339-340. illus. Mr. 1934. no.9.

Deut. Landw. Presse (Berlin) (18D482)

Grosse, A.

Auf unkrautbekämpfung eingestellte bodenbear-  
beitung. Deut. Landw. Presse 61: 169. illus.  
Ap.7, 1934. no.14.

Blitzschäden im kartoffelfelde. Deut. Landw.  
Presse 61: 154. illus. Mr.31,1934. no.13.

Ulmentod noch nicht besiegt. Deut. Landw. Presse  
61: 154. Mr.31, 1934. no.13.

Deut. Zuckerind. (Berlin) (65.8D48)

Kaufmann, O.

Die verwendung von bor zur bekämpfung der  
herz- und trockenfäule der rüben. Deut. Zuckerind.  
1: 305-306. Ap.14, 1934. no.15.



Econ. y Técn. Agr. (Spain) (Madrid) (15Ec7)

García Romero, A.

Las semillas. IV. Determinación de su poder germinativo. Germinadores. Econ. y Técn. Agr. (Spain) 3: 87-90. illus. F.1934. no.22.

Erdész. Kisérl. (Hungary) (Sapron) (99.9Er22)

Fehér, D. & Besenyey, Z.

Minőségi és mennyiségi vizsgálatok az erdőtalaj makroszkopikus gombaflórájáról. II. (Qualitative und quantitative untersuchungen über die makroskopische pilzflora der waldböden). Erdész. Kisérl. (Hungary) 35: 261-278. 1934. no.3.

Kalabay, D.

Adatok a magyar erdők zuzmóflórájához. (Beiträge zu der flechten-flora der ungarischen wälder). Erdész. Kisérl. (Hungary) 35: 279-286. illus. 1934. no.3.

Die wälder der umgebung von Sopron.

German summary: p.285-286.

Magyar, P.

A homokfásítás és növényyszociológiai alapjai. (Die pflanzensoziologischen grundlagen der sandaufforstung). Erdész. Kisérl. (Hungary) 35: 139-227. illus. 1934. no.3.

German summary: p.199-227.

Ernähr. Pflanze (Berlin) (57.8Er6)

Loew, O.

Zur physiologie von kalium und kalzium.

Ernähr. Pflanze 30: 141-144. Ap.15, 1934. no.8.

Estate Mag. (10Es8)

Hodson, W. E. H.

Stem eelworm in potato. Estate Mag. 34: 275-276. Ap. 1934. no.4.

Flor. Exch. (N.Y.) (80F666)

Dorner, H. B.

Handling cut flowers to prolong their keeping qualities. I-II. Flor. Exch. 82(16): 15-16; 82(17): 16-23. port. Ap.21,28,1934.

Forstarchiv. (Hannover) (99.8F7723)

Liese, J.

Absterben von kiefernssämlingen durch Moniliopsis-befall. Forstarchiv. 10: 101-103. illus. Ap.1, 1934. no.7.

M.klebahni.



Forstarchiv. (cont.)

Wettstein-Westersheim, W. v.

Welche pappeln können zur forstlichen pflanzung  
illus. Ap.1, 1934. no.7.

Fruit Grow., Fruiterer, Flor. & Mark. Gard. (London) (80F941)

Wormald, H.

The incidence of plant diseases. Occurrences  
in 1933. Fruit Grow. Fruiterer, Flor. & Mark.  
Gard. 77: 649-650. Ap.12, 1934. no.2000.

Gard. Chron. (London) (80G162)

Bagenal, N. B.

Twenty-one years work at East Malling research  
station. I. History of the station. Gard. Chron.  
III, 95: 262. illus. Ap.21, 1934. no.2469.

Balls, E. K.

Plant collecting in Persia. VIII. Schir Kuh and  
Dionysias. Gard. Chron. III, 95: 246-247.  
illus. Ap.14, 1934. no.2468.

Claes, F.

The Arracacha. Gard. Chron. III, 95: 236.  
illus. Ap.7, 1934. no.2467.

Arracacha esculenta, or Peruvian carrot.

Claes, F.

The re-discovery of *Cattleya labiata* var.  
*autumnalis*. Gard. Chron. III, 95: 244-245.  
Ap.14, 1934. no.2468.

Friend, H.

Herbals and herbalists. VIII. The new age.  
Gard. Chron. III, 95: 264. Ap.21, 1934. no.2469.

Heaton, I. W.

Vegetative propagation of *Amaryllis*. Gard.  
Chron. III, 95: 229. Ap.7, 1934. no.2467.

Johnson, A. T.

Some Ericaceae in spring. Gard. Chron. III,  
95: 247-248. Ap.14, 1934. no.2468.

Redgrove, H. S.

Notes on artemisias, more especially those of  
economic importance. Gard. Chron. III, 95: 231-  
233. Ap.7, 1934. no.2467.



Gard. Chron. (cont.)

Schneider, C.

Dr. Fritz Count von Schwerin. Gard. Chron.  
III, 95: 238. Ap.7, 1934. no.2467.

Souillet, Abbé.

Lilium candidum and its varieties. Gard.  
Chron. III, 95: 230-231. illus. Ap.7, 1934.  
no.2467.

Stoker, F.

Lilium candidum. Gard. Chron. III, 95: 261.  
Ap.21, 1934. no.2469.

Comments on Abbé Souillet's article.

Todd, E. E.

Iris fontanesii, Godr., and other irises of  
the Xiphium group. Gard. Chron. III, 95:248-  
249. Ap.14, 1934. no.2468.

Ward, F. K.

Some new and rare gentians. Gard. Chron. III,  
95: 263-264. Ap.21, 1934. no.2469.

Gard. Illus. (London) (80G169)

Elliott, C.

Majorcan plants. Gard. Illus. 56: 212.  
illus. Ap.14, 1934. no.2875.

Gartenfl. (Berlin) (80G19)

Meyer, Fr.

Hellfarbige cypripedien. I. Paphiopedilum. Garten-  
fl. 83:92-98. illus. Ap.1934.

Gartn.-Tid. (København) (80G192)

Weber, A.

Den nye tulipansygd. Gartn.-Tid. 50: 209-  
212. illus. Ap.17, 1934. no.16.

Phytophthora cryptogea or P. erythroseptica.

De danske mycelium. Gartn.-Tid. 50: 218-220.  
illus. Ap.17, 1934. no.16.

Genetica (The Hague) (442.8G282)

Buchinger, A.

Vegetative spaltung an dem haferartbastard:  
Avena sativa L. x Avena strigosa Schreb. Genetica  
15: 393-424, incl. plates. 1934. no.5/6.

Haan, H. de

Gibt es polymere faktoren? Genetica 15:  
529-543. 1934. no.5/6.



Genetica (cont.)

Leliveld, J. A.

Cytological studies in the genus *Ulmus*. L.  
I. The supposed hybrid nature of the common Dutch  
elm. *Genetica* 15: 425-432. illus. 1934.  
no.5/6.

Medwedewa, G. B.

Zur zytologie des hanfes. Die pollenentwicklung  
beim italienischen hanfe. *Genetica* 15: 353-  
391, incl. plates. 1934. no.5/6.

Moffett, A. A.

Cytological studies in cultivated pears. *Genetica*  
15: 511-518. illus., pl. 1934. no.5/6.

Tammes, T.

Die übereinstimmung zwischen entwicklungs-  
stadien und phaenotypen verschiedener genotypen.  
*Genetica* 15: 519-528. illus. 1934. no.5/6.  
Experiments with *Linum usitatissimum*.

Gloucestershire Farmer. (10G512)

Marsh, R. W.

Apple scab. *Gloucestershire Farmer* 1: 103-  
105. Ap./Je.1933. no.2.

Redington, G.

Poisonous plants. I. *Gloucestershire*  
*Farmer* 2: 89-90. Ap./Je.1933. no.2.

House & Gard. (Greenwich, Conn.) (80H81)

Gabrielson, I. N.

The fire-born Cascades, where vast mountains  
give foothold to countless gem-like flowers.  
*House and Gard.* 65(5): 66-67, 92,94. illus.  
My.1934.

Indian For. (Dehra Dun) (99.8In2)

Parkinson, C. E.

On a botanical visit to Mulayit Peak, with a  
sketch of the vegetation of the Tenasserim hill-  
tops. *Indian For.* 60: 256-269. pl.25-26.  
Ap.1934. no.4.

Intern. Bull. Plant Prot. (464.8In8)

Gt. Britain. Ministry of agriculture and fisheries.

England and Wales: New and interesting phyto-  
pathological records for the year 1933. *Intern.*  
*Bull. Plant Prot.* 8: 51. Mr.1934. no.3.



- Journ. Agr. Res. (Washington, D.C.) (1Ag84J)  
Brewbaker, H. E.  
Self-fertilization in sugar beets as influenced  
by type of isolator and other factors. Journ.  
Agr. Res. 48:323-337. illus. F.15, 1934 (Rec'd  
Ap.24) no.4.
- Davis, R. L.  
Maize crossing values in second-generation  
lines. Journ. Agr. Res. 48: 339-357. F.15,  
1934. no.4. (Rec'd Ap.24)
- Holland, E. B. & Jones, C. P.  
The relation of "dark center" to the composition  
of rutabagas. Journ. Agr. Res. 48: 377-378.  
F.15, 1934(Rec'd Ap.24) no.4.
- Lauritzen, J. I. & Wright, R. C.  
Factors affecting gladiolus in storage.  
Journ. Agr. Res. 48: 265-282. F.1, 1934 (Rec'd  
Ap.24) no.3.
- McCall, M. A.  
Developmental anatomy and homologies in wheat.  
Journ. Agr. Res. 48: 283-321. illus., pl.1-2.  
F.15, 1934(Rec'd Ap.24) no.4.
- Thomas, H. E.  
Studies on *Armillaria mellea* (Vahl.) Quel.,  
infection, parasitism, and host resistance.  
Journ. Agr. Res. 48: 187-218. pl. 1-11. F.1,1934.  
no.3.
- Tysdal, H. M.  
Determination of hardiness in alfalfa varieties  
by their enzymatic responses. Journ. Agr. Res.  
48: 219-240. F.1, 1934(Rec'd Ap.24) no.3.
- Journ. Agr. Sci. (London) (10J822)  
Brady, J.  
Some factors influencing lodging in cereals.  
Journ. Agr. Sci. 24: 209-232. Ap.1934. no.2.
- Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)  
Mollett, C. E. & Christensen, B. V.  
*Coptis occidentalis* Salisbury (fam. Ranunculaceae)  
western *Coptis*, western goldthread. Journ.  
Amer.Pharm. Assoc. 23: 310-316. illus. Ap.  
1934. no.4.



- Journ. Amer. Pharm. Assoc. (cont.)  
Richards, L. W. & Lynn, E. V.  
An examination of *Ceanothus velutinus*.  
Journ. Amer. Pharm. Assoc. 23: 332-336.  
Ap.1934. no.4.
- Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)  
Brink, R. A.  
Self-incompatibility in yellow sweet clover,  
*Melilotus officinalis*. Journ. Amer. Soc. Agron.  
26: 307-312. Ap.1934. no.4.
- Coffman, F. A. & Davis, L. L.  
Heterosis or hybrid vigor in oats. Journ.  
Amer. Soc. Agron. 26: 318-327. Ap.1934. no.4.
- Koehler, B., Dungan, G. H. & Burlison, W. L.  
Maturity of seed corn in relation to yielding  
ability and disease infection. Journ. Amer. Soc.  
Agron. 26: 262-274. Ap.1934. no.4.
- Reynolds, E. B. & Rea, H. E.  
Effect of fertilizers on the yield of cotton  
and on the control of the root-rot disease of cotton  
on the Blackland Prairie soils of Texas. Journ.  
Amer. Soc. Agron. 26: 313-318. Ap.1934. no.4.  
No effect on the disease.
- Sutherland, J. L. & Jodon, N. E.  
Resistance of wheat varieties to bunt at  
Moccasin, Montana, and North Platte, Nebraska.  
Journ. Amer. Soc. Agron. 26: 296-306. Ap.1934.  
no.4.
- Journ. Arnold Arb. (Cambridge, Mass.) (451Ar6J)  
Faull, J. H.  
Blister rust of *Pinus longifolia* Roxb.  
Journ. Arnold Arb. 15: 154-157. Ap.1934. no.2.  
A review of K. Bagchee's Investigations on the  
infestation of *Peridermium himalayense*... The re-  
viewer thinks the correct name of the causal fungus  
should be *Cronartium opheliae* (Sydow) n.c.comb. not  
*Cronartium himalayense* as author has named it."
- Palmer, E. J.  
Notes on some plants of Oklahoma. Journ.  
Arnold Arb. 15: 127-134. Ap.1934. no.2.
- Rehder, A.  
Notes on the ligneous plants described by  
Leveille from eastern Asia. (cont.) Journ. Arnold  
Arb. 15: 91-117. Ap.1934. no.2.



Journ. Arnold Arb. (cont.)

Whelden, C. M.

Studies in the genus *Fraxinus*. I. A preliminary key to winter twigs for the sections *Melioides* and *Bumelioides*. Journ. Arnold Arb. 15: 118-126. illus., pl.87-89. Ap.1934. no.2.

Whitaker, T. W.

Chromosome constitution in certain monocotyledons. Journ. Arnold Arb. 15: 135-143. illus. Ap.1934. no.2.

Whitaker, T. W.

The occurrence of tumors on certain *Nicotiana* hybrids. Journ. Arnold Arb. 15: 144-153. illus. pl.90. Ap.1934. no.2.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)

Clarke, G. H.

Important weeds of South Australia. 4. The apple of Sodom. *Solanum sodamaeum*, L., var. *hermannii*, Dunal. Journ. Dept. Agr. So. Australia 37: 1015-1019. illus., col.pl. Mr.15, 1934. no.8.

Garrett, S. D.

The effect of crop rotation on the eelworm (*Heterodera schachtii*) disease of cereals. Journ. Dept. Agr. So. Australia 37: 984-987. illus. Mr.15, 1934. no.8.

Garrett, S. D.

Factors affecting the severity of take-all. 3. The climatic factor. Journ. Dept. Agr. So. Australia 37: 976-983. Mr.15, 1934. no.8.

Journ. Exp. Biol. (London)

Steward, F. C. & Berry, W. E.

The absorption and accumulation of solutes by living plant cells. VII. The time factor in the respiration and salt absorption of Jerusalem artichoke tissue (*Helianthus tuberosus*), with observations on ionic interchange. Journ. Exp. Biol. 11: 103-119. Ap.1934. no.2.

Journ. Pharm. Soc. Japan (J396.9P49)

Kariyone, T. & Kashiwagi, K.

Ueber die bestandteile von *Coriaria japonica* A. Gray. IV. Journ. Pharm. Soc. Japan 54: 31-32. Mr.1934. no.3.



Journ. Soc. Trop. Agr. Japan (Taiwan) (26Sol3)

Adachi, M.

Untersuchungen über die rhizosphäre der  
pflanzen. Journ. Soc. Trop. Agr. Japan  
5: 277-278. O.1933. no.3.

Vorläufige mitteilung.

Gotoh, K. & Okura, E.

A preliminary note on cytological studies of  
Oryza. Journ. Soc. Trop. Agr. Japan 5: 363-364.  
illus., pl. O. 1933. no.3.

Gotoh, K.

Sclerotium rolfsii Sacc. in perfect stage. II.  
(concl.) Studies on S. rolfsii of foreign origin  
in comparison with some strains of Formosa. Journ.  
Soc. Trop. Agr. Japan. 5: 374-382. illus. D.1933.  
no.4.

Hosokawa, T.

Notulae leguminosarum ex Asiae-orientali.V.  
Journ. Soc. Trop. Agr. Japan 5: 287-289. O.  
1933. no.3.

Ishii, M.

On the carotinoids of cane stem. Journ. Soc.  
Trop. Agr. Japan 5: 275-276. O.1933. no.3.  
Japanese.

Kanehira, R. & Sasaki, S.

An enumeration of Formosan trees in the  
Taihoku herbarium. VII-VIII. Journ. Soc. Trop.  
Agr. Japan 5: 302-307, 398-404. O., D., 1933.  
no.3,4.

Matsumoto, T., Yamamoto, W. & Hirane, S.

Physiology and parasitism of the fungi generally  
referred to as Hypochnus sasakii Shirai. II-III.  
Journ. Soc. Trop. Agr. Japan 5: 332-345, 367-373.  
illus. O., D.1933. no.3,4.

II. Temperature and humidity relations. III.  
Histological studies in the infection by the fungus.

Miyake, S. & Ohno, S.

Ueber den schleim von Ficus awkeotsang Makino.  
Journ. Soc. Trop. Agr. Japan 5: 270-272; O.1933.  
no.3.

Japanese.



Journ. Soc. Trop. Agr. Japan (cont.)

Ohno, S.

Ueber den schleim von *Machilus thunbergii* Sieb.  
et Zucc. Journ. Soc. Trop. Agr. Japan 5: 431-435.  
D.1933. no.4.  
Japanese.

Yamamoto, R. & Kato, A.

On the colouring matter of *Hibiscus sabdariffa*  
L. Journ. Soc. Trop. Agr. Japan 5: 273-274.  
O. 1933. no.3.  
Japanese.

Yamamoto, Y.

Observationes ad floram Formosanam. VIII-IX.  
Journ. Soc. Trop. Agr. Japan 5:346-356, 405-407.  
illus. O., D. 1933. No.3,4.

Kolloid-Beih. (384Z315K)

Samec, M. & Knop, L.

Studien über pflanzenkolloide. XXXV.  
Lösungszustand der iso-hexosane. Kolloid-Beih.  
39: 259-264. Ap.1, 1934. no.5/7.

Kühn-Arch. (Berlin) (105.8H15Ku)

Becker, H.

Zur immunitätszüchtung des weizens gegen  
*Puccinia glumarum* und *Puccinia triticina*. Kühn-  
Arch. 38: 293-305. 1933.

Fuchs, W. H.

Zur analyse des physiologischen zustandes der  
pflanzen im zusammenhang mit temperatureinflüssen.  
Kühn-Arch. 38: 232-236. 1933.

Kießling, L. E.

Biologische massnahmen zur unterdrückung des  
kartoffelschorfes. Kühn-Arch. 38:184-201.  
illus. 1933.

Krümmel, H.

Untersuchungen über die befruchtungsverhält-  
nisse bei kirschen. III. Kühn-Arch. 38: 202-222.  
1933.

Nicolaisen, W. & Isenbeck, K.

Probleme, methoden und ergebnisse der pflanzen-  
zuchtstation der universität Halle. Kühn-Arch.  
38: 306-377. 1933.



Kühn-Arch. (cont.)

Schreiber, F.

Resistenz-züchtung bei buschbohnen. Kühn-Arch. 38: 287-292. 1933.

Landbouwk. Tijdschr. Wageningen (105.2 Or3)

Koeslag, J. D.

De beteekenis van de phaenologie voor den landbouw. Landbouwk. Tijdschr. Wageningen 46: 230-241. Ap.1934. no.558.

Rozanova, M. A.

De jarowizatie der landbouwgewassen.

Landbouwk. Tijdschr. Wageningen 46: 224-229. Ap.1934. no.558.

Bull. Jarowizatsii, n.1,2,3. Odessa 1932.

(Russisch). Dr. H. Bos, "Het vegetatierhythme van de rogge", Landb. Tijdschr. no. 547,1933.

Latvijas Univ. Raksti Lauks. Fak. Ser. (Acta Univ. Latviensis Agron. Ord. Ser.) (Riga) (20L353)

Kiršteins, K. & Eiche, V.

Baltā skābarža (Carpinus betulus L.) dabiskā izplatība un oikoloģija Latvijā. (Das natürliche vorkommen und die ökologie der hainbuche (Carpinus betulus) in Lettland). Latvijas Univ. Raksti Lauks. Fak. Ser. (Acta Univ. Latviensis Agron. Ord. Ser.) 2: 343-448. illus. 1933. no.9/13.

German summary: p.436-448.

Leafl. West. Bot. (San Francisco) (450L47)

Abrams, L.

Notes on some type specimens of Arctostaphylos.

Leafl. West. Bot. 1: 84-87. Ja.30, 1934. no.9.

Bellue, M. K.

Centaurea iberica Trevir. Leafl. West. Bot.

1: 95-96. Ja.30, 1934. no.9.

Cockayne, L.

[Variability of Pittosporum tenuifolium].

Leafl. West. Bot. 1: 94. Ja.30, 1934. no.9.

Eastwood, A.

Cheiranthus grandiflorus, a correction.

Leafl. West. Bot. 1: 87-89. Ja.30, 1934. no.9.

Eastwood, A.

Escallonias in Golden Gate Park. II. (concl.)

Leafl. West. Bot. 1: 81-82. Ja.30, 1934. no.9.



Leafl. West. Bot. (cont.)

Eastwood, A.

*Gentiana copelandi* Eastwood, Proc. Calif.  
Acad. Sci. ser.4, 20: 150. 1931. Leafl. West.  
Bot. 1: 96. Ja.30,1934. no.9.

Name untenable, *G. eximia* substituted.

Eisen, G. A.

[*Ledum palustre*]. Leafl. West. Bot.  
1: 95. Ja.30, 1934. no.9.  
*Ledum* used in brewing beer.

Howell, J. T.

*Lepidium oreganum*, a hybrid-suspect. Leafl.  
West. Bot. 1: 92-94. Ja.30, 1934. no.9.

Keck, D. D.

A new *Penstemon* from Utah. Leafl. West. Bot.  
1: 82-83. Ja.30, 1934. no.9.  
*Penstemon bracteatus*.

Sutcliffe, D.

*Ricciocarpus natans* in California. Leafl.  
West. Bot. 1: 96. Ja.30, 1934. no.9.

Madras Agr. Journ. (22M262)

Dutt, N. L. & Krishnaswami, M. K.

The breeding of the thick type of canes for  
India. Madras Agr.Journ. 22: 93-96. Mr.1934.  
no.3.

Jacob, K. C.

South Indian bananas. Madras Agr.Journ.  
22: 41-57. F. 1934. no.2.  
Tentatively classified list of South Indian  
bananas so far studied: p.49-57.

Malayan Agr. Journ. (Kuala Lumpur) (22.5F312)

Henderson, M. R.

The sources of "tuba" in the Malay Peninsula.  
Malayan Agr. Journ. 22: 125-130. 2 pl. Mr.  
1934. no.3.  
Derris.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Beilmann, A. P.

How to feed a shade tree. Missouri Bot.  
Gard. Bull. 22: 113-126. illus.,pl.33-37.  
Ap. 1934. no.4.

Mitt. Landw. (Berlin) (18D48M)

Kaufman, O.

Die bekämpfung der herz- und trockenfäule der  
rüben mit bor. Mitt. Landw. 49: 304-305. illus.  
Ap.7,1934. no.14.



Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Fric, A. V.

Zur hormon-frage. Irrige auffassungen über  
den einfluss der wirkstoffe bei treib-pflanzen.  
Möller's Deut. Gärtn.-Zeit. 49:110. illus.  
Ap.11, 1934. no.10.

Liebe, C.

Der einfluss von hormonen auf die blüten-  
entwicklung. Möller's Deut. Gärtn.-Zeit. 49:  
73-74. Mr.1, 1934. no.7.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)  
Bremen, H.

Die mehlkrankheit der zwiebeln (*Sclerotium ce-  
pivorum* Berk.) Nachrichtenbl. Deut. Pflanz-  
schutzd. 14: 37-38. illus. Ap.1934. no.4.

Pfankuch, E.

Zur biochemie des kartoffelabbaues. I.  
Nachrichtenbl. Deut. Pflanzenschutzd. 14: 38.  
Ap.1934. no.4.

Nat. Hist. (N. Y.) (500N483J)

Alexander, E. J.

Water plants for home cultivation. Nat.  
Hist. 34: 207-220. illus. My./Je.1934. no.3.

Naturaliste Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne.  
(cont.) Naturaliste Canad. 61: 120-123. Ap.  
1934. no.4.

Index ... (*Abies*-*Bidens*)

Nature (London) (472N21)

Cockerell, T. D. A.

An ancient foxtail pine. Nature 133: 573-574.  
illus. Ap.14, 1934. no.3363.  
*Pinus aristata crossii*.

Darlington, C. D.

Determination of sex. Nature 133: 579.  
Ap.14, 1934. no.3363.

Prof. Sydney H. Vines, F.R.S. Nature 133: 558.  
Ap.14, 1934. no.3363.

Died Ap.4th.



New Flora & Silva (London) (80N422)

Bean, W. J.

Nothofagus, southern beeches. I. New  
Flora & Silva 6: 160-167. pl. lxi. Ap.  
1934. no.3.

Cox, E. H. M.

Sodium chlorate. New Flora & Silva 6: 213-  
216. Ap. 1934. no.3.

Dalrymple, G. H.

Auriculas. New Flora & Silva 6: 148-154.  
pl.lv-lvii. Ap.1934. no.3.

Johnson, A. T.

Notes on Vacciniums. New Flora & Silva 6:  
155-159. pl. lviii. Ap.1934. no.3.

Nelmes, E.

Cultivated plants and their introduction. I.  
Japan. (concl.) New Flora & Silva 6: 205-212.  
Ap.1934. no.3.

Unwin, C. W. J.

The modern trend in dahlias. New Flora &  
Silva 6: 178-183. pl. lxviii. Ap.1934. no.3.

Wyatt, J. W.

Notes on the flowering plants of East Jotunheim,  
Norway. New Flora & Silva 6: 168-176. pl. lxii-  
lxvii. Ap. 1934. no.3.

New Jersey Agr. (275.28N46)

Blake, M.A. & Nightingale, G. T.

Effects of temperature on apple trees.  
New Jersey Agr. 16(2): 2-3. Mr./Ap. 1934.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Aston, B. C. & Bruce, J. A.

The chemistry of weed-killers (cont.) New  
Zeal.Journ. Agr. 48: 172-173. Mr.20,1934. no.3.

Brien, R. M.

The fungi causing rots of stored apples in  
New Zealand. New Zeal. Journ. Agr. 48: 143-149.  
illus. Mr.20,1934. no.3.

Neill, J. C.

The control of stinking smut of wheat.  
Experiments on seed treatment with various dusts.  
New Zeal. Journ. Agr. 48: 170-171. Mr.20,1934.  
No.3.



New Zeal. Journ. Agr. (cont.)

Neill, J. C.

Effect of excess of disinfectant dusts on the field germination of seed wheat. New Zeal. Journ. Agr. 48: 174. Mr.20,1934. no.3.

Northwest Fruit Grower (Wenatchee) (80W48)

Overholser, E. L., Overley, F. L. & Claypool, L. L.

Factors affecting size of apples in 1933. Northwest Fruit Grower 6(1): 4,7. Ja.1934.

Notizbl. Bot.Gart.Berlin (451B45N)

Burret, M.

Palmae neogaeae. V. Notizbl. Bot. Gart. Berlin 11: 1037-1050. Ja.20, 1934. no.110.

Francey, P.

Uebersicht über die gattung Sessea. Notizbl. Bot. Gart. Berlin 11: 978-990. Ja.20,1934. no.110.

Fritsch, K.

Zur kenntnis der gattung Besleria. Notizbl. Bot. Gart. Berlin 11: 961-977. Ja.20,1934. no.110.

Knoblauch, E.

Eine neue oleaceen-gattung der Comoren. Notizbl. Bot. Gart. Berlin 11: 1032-1033. Ja.20, 1934. no.110.

Comoranthus obconica.

Knoblauch, E.

Neue und seltene oleaceen aus dem tropischen Afrika, Neu-Guinea, China und Indo-China. Notizbl. Bot. Gart. Berlin 11: 1027-1031. Ja.20, 1934. no.110.

Olea pervilleana, Linociera ovalis n.spp.

Knuth, R.

Ueber die gattung Asteranthos. Notizbl. Bot. Gart. Berlin 11: 1034-1036. Ja.20, 1934. no.110.

Establishes a new family, Asteranthaceae with Asteranthos as type.

Mansfeld, R.

Ueber die orchideengattung Pachites Lindl. Notizbl. Bot. Gart. Berlin 11: 1051-1057. Ja.20, 1934. no.110.

The history of the Royal Society of London, from its first institution in the year 1660, to the present time. In two volumes. The first volume contains the history of the society from its first institution to the year 1700. The second volume contains the history of the society from the year 1700 to the present time. The history is written in a clear and concise style, and is full of interesting details. The first volume is particularly interesting, as it contains the accounts of the first experiments and discoveries of the society. The second volume is also very interesting, as it contains the accounts of the many important discoveries and experiments of the society in the latter part of the 17th and 18th centuries. The history is written by a learned and impartial historian, and is a valuable work for all who are interested in the history of science and the Royal Society.

Notizbl. Bot. Gart. Berlin (cont.)

Mattick, F.

Die gattung *Astronium*. Notizbl. Bot. Gart.  
Berlin 11: 991-1012. Ja.20,1934. no.110.  
*A. gardneri*, *A. glaziovii* n.spp.

Melchior, H.

Die theaceen des tropischen Afrikas.  
Notizbl. Bot. Gart. Berlin 11: 1093-1100.  
Ja.20, 1934. no.110.  
*Ternstroemia polypetala*, *Adinandra schliebenii*  
n.spp.

Mildbraed, J.

Neue und seltene arten aus Ostafrika (Tangan-  
yika-Territ. mandat) leg. H.J. Schlieben. V.  
Notizbl. Bot. Gart. Berlin 11: 1058-1092. Ja.20,  
1934. no.110.

Sleumer, H.

Beiträge zur kenntnis der flacourtiaceen  
Südamerikas. I. Notizbl. Bot. Gart. Berlin  
11: 951-960. Ja.20, 1934. no.110.  
*Abatia canescens*, *Banara glabrata*, *B. magnifolia*  
n.spp. and seven new species of *Casearia*.

Sleumer, H.

Ueber die zugehörigkeit der gattung *Mesaulosperma*  
v. Slooten. Notizbl. Bot. Gart. Berlin  
11: 1024-1026. illus. Ja.20,1934. no.110.  
*Itoa orientalis* Hemsley (*Mesaulosperma vieil-*  
*lardii* (Gagnepain) v. Slooten; *I. stapfii* (*Mesaulo-*  
*sperma stapfii* (Koorders) v. Slooten.

Stojanoff, N. & Stefanoff, B.

*Sedum tuberiferum* Stoj. et Stef. sp. nova aus  
Bulgarien. Notizbl. Bot. Gart. Berlin 11: 1013-  
1023. illus. Ja.20, 1934. no.110.

Orchid Rev. (Richmond, Engl.) (80 Or15)

Cradwick, W.

Orchid growing in Jamaica. Orchid Rev. 42:  
115-119. illus. Ap.1934. no.490.

Hurst, C. C.

Unique collection of hybrid albino *Cattleyas*  
in the United States. Orchid Rev. 42: 108-111.  
Ap.1934. no.490.

Mousley, H.

*Habenaria orbiculata*. Orchid Rev. 42: 112-  
113. illus. Ap.1934. no.490.



Orchidee (Bandoeng) (80 Or18)

De oostersche Dendrobium weelde. Orchidee  
(Bandoeng) 3: 53-59. illus. Mr.1934. no.3.

L'ortofrutticoltura Italiana (80 Or32)

Curzi, M.

Il male del piombo da necrosi e carie del  
legno in Italia. L'ortofrutticoltura Italiana  
3: 45-51. illus. Mr.1934. no.3.

Papers Mich. Acad. Sci. (500M582)

Arnold, J. D.

A comparative taxonomic study of forms of *Collybia*  
*tuberosa* Fr. and *Collybia cirrata* Fr. Papers  
Mich. Acad. Sci. 19: 55-58. pl.i. 1934.

Clark, I. M.

Two new paleobotanical records for the Antrim  
shale of Michigan. Papers Mich. Acad. Sci. 19:  
59-64. pl. ii-iii. 1934.

*Callixylon erianum* Arnold?, *Bothrodendron antrim-*  
*ense*, sp.nov.

Baxter, D. V.

Some resupinate polypores from the region of the  
Great Lakes V. Papers Mich. Acad. Sci. 19: 305-  
332. pl. lviii-lxv. 1934.

Gustafson, F. G.

The effect of a decrease in the amount of trans-  
piration on the growth of certain plants. Papers  
Mich. Acad. Sci. 19: 65-82. pl.iv. 1934.

Jao, C.-C.

New *Oedogonia* collected in China. Papers Mich.  
Acad. Sci. 19: 83-92. pl.v-vii. 1934.

*O. spiralidens*, *O. orientale*, *O. costatosporum*,  
*O. excavatum*, n.spp.

Kanouse, B. B.

Notes on new or unusual Michigan Discomycetes I.  
Papers Mich. Acad. Sci. 19: 93-106. pl.viii-xii.  
1934.

*Psilopezia albida* n.sp.

Kenoyer, L. A.

Forest distribution in southwestern Michigan as  
interpreted from the original land survey (1826-32)  
Papers Mich. Acad. Sci. 19: 107-111. map. 1934.

LaRue, C. D. & MacNeill, M.

The behavior of decapitated seedlings. Papers  
Mich. Acad. Sci. 19: 113-131. 1934.



Papers Mich. Acad. Sci. (cont.)

Lohman, M. L.

A cultural and taxonomic study of *Hysteriumhyalinum*. Papers Mich. Acad. Sci. 19: 133-140. pl.xiii. 1934.

Suggests that *H. hyalinum* be accepted as valid name and that it be removed from synonymy of *Hysteroglyphium gloniopsis*.

Lowe, J. L.

Notes on some species of *Polyporus*. Papers Mich. Acad. Sci. 19: 141-148. pl.xiv-xv. 1934.

Merrill, E. D.

New Sumatran plants. I. Papers Mich. Acad. Sci. 19:149-203. pl.xvi-xxv. 1934.

Smith, A. H.

Unusual agarics from Michigan. Papers Mich. Acad. Sci. 19: 205-216. pl.xxxvi-xliv. 1934.

Taylor, W. R.

The fresh-water algae of Newfoundland. pt.I. Papers Mich. Acad. Sci. 19: 217-278. pl. xlv-lvii. 1934.

Thorpe, F. J.

Bryophytes from Greenland. Papers Mich. Acad. Sci. 19: 281-291. 1934.

Pharm. Zentralbl. (Dresden) (396.8P492)

Kolle, F. & Gloppe, K. E.

Ueber die alkalioide von *Narcissus poeticus* L. Pharm. Zentralh. 75: 237-239. Ap.12, 1934. no.15.

Phosphorsäure (57.8P562)

Höhne, E. & Chélaré, G.

Hat die düngung einen einfluss auf die schorfbildung bei kartoffeln? Phosphorsäure 4: 161-167. 1934. no.3.

Stoklasa, J.

Aufschliessung der rohhosphate durch die wurzelausscheidungen einzelner kulturpflanzen. Phosphorsäure 4: 129-148. 1934. no.3.

Phytopath. (464.8P56)

Blodgett, F. M. & Mader, E. O.

A method of recording the distribution of copper dusts or sprays on leaves. Phytopath. 24: 418-422. illus. Ap.1934. no.4.

By means of prints of sprayed leaves.



Phytopath. (cont.)

Burgert, I. A.

Some factors influencing germination of spores of *Phyllosticta solitaria*. *Phytopath.* 24: 384-396. Ap.1934. no.4.

Carter, W.

Mealy-bug wilt and green spot in Jamaica and Central America. *Phytopath.* 24: 424-426. Ap.1934. no.4.

Drayton, F. L.

The gladiolus dry rot caused by *Sclerotinia gladioli* (Massey) n.comb. *Phytopath.* 24: 397-404. illus. Ap.1934. no.4.

Grant, T. J.

The host range and behavior of the ordinary tobacco-mosaic virus. *Phytopath.* 24: 311-336. illus. Ap.1934. no.4.

Harris, M. R.

A phytophthora disease of snapdragons. *Phytopath.* 24: 412-417. illus. Ap.1934. no.4.  
"... organism here described is closely allied to if not identical with *Phytophthora cactorum* (Lebert & Cohn) Schrot."

Mains, E. B.

Host specialization of *Puccinia sorghi*. *Phytopath.* 24: 405-411. Ap.1934. no.4.  
*Andropogon* rust with aecia on *Oxalis*, which has been placed in *P. sorghi*, should be considered a race of *P. andropogonis*.

Shands, H. L.

Temperature studies on stripe of barley, *Phytopath.* 24: 364-383. illus. Ap.1934. no.4.

Tu, C.

Physiologic forms of *Puccinia graminis tritici* in Kwangtung, southern China. *Phytopath.* 24: 423-424. Ap.1934. no.4.

Wolf, F. A., Dixon, L. F., McLean, R. & Darkis, F.R.

Downy mildew of tobacco. *Phytopath.* 24: 337-363. illus. Ap.1934. no.4.



Phytopath. Zeitschr. (Berlin) (464.8P562)

Gassner, G. & Hassebrauk, K.

Der einfluss der mineralsalzernährung auf das anfälligkeitsverhalten der zur rassenbestimmung von getreiderosten dienenden standardsortimente.

Phytopath. Zeitschr. 7: 63-72. 1934. no.1.

Gassner, G. & Kirchhoff, H.

Einige vergleichende versuche über verschiebungen der rostresistenz in abhängigkeit vom entwicklungszustand der getreidepflanzen. Phyto-

path. Zeitschr. 7: 43-52. 1934. no.1.

Gassner, G. & Hassebrauk, K.

Zweijährige feldversuche über den einfluss der düngung auf die rostanfälligkeit von getreidepflanzen. Phytopath. Zeitschr. 7: 53-61. 1934.

no.1.

Jones, L. K., Anderson, E. J. & Burnett, G.

The latent virus of potatoes. Phytopath.

Zeitschr. 7: 93-115. illus. 1934. no.1.

Köhler, E.

Untersuchungen über die viruskrankheiten der kartoffel. III. Weitere versuche mit viren aus der mosaikgruppe. Phytopath. Zeitschr. 7: 1-30. il-

lus. 1934. no.1.

Petri, L.

Alcune considerazioni sopra i generi Deuterophoma e Blastophoma. Phytopath. Zeitschr. 7:

117-119. 1934. no.1.

Blastophoma-Deuterophoma.

Ronsdorf, L.

Ueber plasmolyse und vitalfärbung bei sporen und jungen keimschläuchen von getreiderostpilzen.

Phytopath. Zeitschr. 7: 31-42. illus. 1934. no.1.

Trifonova, V.

Die rotfleckenkrankheit der pflaume, Polystigma rubrum (Pers.) D.C. Phytopath. Zeitschr. 7: 73-

92. illus. 1934. no.1.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising) (464.8P88)

Korff, G. & Böning, K.

Die meerrettichschwärze und ihre bekämpfung.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. 33(n.s.

v.11): 273-277. illus. Mr.1934. no.12.



Proc. Ohio State Hort. Soc. (810h3)

Ballou, R. H. & Lewis, I. P.

Results of trials with spray and dust materials.  
Proc. Ohio State Hort. Soc. 67(1934): 66-83. 1934.

Dutton, W. C.

Early season spraying practices as related to  
scab control and spray injury. Proc Ohio State  
Hort. Soc. 67(1934): 63-66. 1934.

Hilbish, W. D.

Spraying costs and practices on a 200 acre  
apple orchard. Proc. Ohio State Hort. Soc.  
67(1934): 83-89. 1934.

Pierstorff, A. L.

Fire blight and its control - relation of  
pollinating insects to dissemination. Proc.  
Ohio State Hort. Soc. 67(1934): 47-50. 1934.

Under Ohio conditions beehive not a source of  
fire blight inoculum.

Pierstorff, A. I.

Lessons of 1933 in apple scab control and  
recommendations for 1934. Proc. Ohio State Hort.  
Soc. 67(1934): 28-31. 1934.

Young, H. C.

Review of fruit diseases in 1933. Proc.  
Ohio State Hort. Soc. 67(1934): 23-28. 1934.

Proc. Oklahoma Acad. Sci. (5000k42)

Barkley, F. A. & Barkley, E. A.

*Ephedra antisiphilitica* Meyer, establishing  
another order of plants for Oklahoma. Proc.  
Oklahoma Acad. Sci. 13: 11-12. 1933.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Hébrard, J.

La destruction des mauvaises herbes par certains  
procédés chimiques. Progr. Agr. & Vitic. 101:  
300-303. Ap.1, 1934. no.13.

Quart. Bull. State Bd. Agr. Delaware. (2D37B)

Adams, J. F.

Report of the plant pathologist for 1933.  
Quart. Bull. State Bd. Agr. Delaware v.24, no.1.  
15 p. Mr.31, 1934.



Queensl. Agr. Journ. (Brisbane) (23Q33)

Morwood, R. B.

Covered smut of barley. Queensl. Agr. Journ.  
41: 236-240. Mr.1, 1934. no.3.

Simmonds, J. H.

Bunchy top of the banana and its control.  
Queensl. Agr. Journ. 41: 241-244. illus. Mr.1,  
1934. no.3.

White, C. T.

Queensland weeds. Blue weed or Paterson's  
curse (*Echium plantagineum*). Queensl. Agr. Journ.  
41: 304-305. illus. Mr.1, 1934. no.3.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Pfalzgraf, H.

Die vegetation des Meissners und seine wald-  
geschichte. Repert. Spec. Nov. Beih. v.75.  
80 p. illus., iv pl., 4 fold.tab. Mr.15, 1934.

Schuster, K.

Orchidacearum iconum index. Zusammenstellung der  
in der literature erscheinenden tafeln und textabbild-  
ingen von orchideen. lfg. 4. Repert. Spec. Nov. Beih.  
60: 241-320. Mr.1,1934. no.4.

Sleumer, H.

Die pflanzenwelt des Kaiserstuhls. Repert.  
Spec. Nov. Beih. v.77. 170 p. illus. F.20,  
1934.

Rep. Dept. Agr. Centr. Prov. India (107.5N13A)

Central Provinces, India. Dept. of Agriculture.

Annual report of the mycological section for  
the year ending 31st March 1933. Its Rep. 1932/33:  
33-36. 1933.

Rev. Agr. Afrique Nord. (80R326)

Vivet, E.

Apoplexie et court-noue. Rev. Agr. Afrique  
Nord 32: 197-204. Mr.30, 1934. no.765.

Rev. Bot. Appl. (Paris) (26R323)

Chevalier, A.

Etudes sur les prairies de l'Ouest Africain.  
I. Les graminées (cont.) Rev. Bot. Appl. 14:  
109-137. F.1934. no.150.

Chevalier, A.

La patrie des divers Elaeis, les espèces et  
les variétés. Ou en est la sélection? Rev. Bot.  
Appl. 14: 187-196. Mr.1934. no.151.



Rev. Bot. Appl. (cont.)

Gard, M.

A propos du *Juglans sieboldiana* Maxim.

Rev. Bot. Appl. 14: 106-108. F.1934. no.150.

Quarré, P.

Deux plantes toxiques du Katanga. *Urginea altissima* Baker et *Spondianthus preusii* Engl.

Rev. Bot. Appl. 14: 211-214. Mr.1934. no.151.

Reznik, A.

Note sur le genre *Anadelphia* Hackel. (graminées)

Rev. Bot. Appl. 14: 197-201. Mr. 1934. no.151.

*A. triseta*, *A. chevalieri* n.spp.

Stoffels, E.

Contribution à l'étude de la sélection de l'*Elacis guineensis* à Sumatra. Rev. Bot. Appl. 14: 93-101. F.1934. no.150.

Vuillet, J.

Culture du *Kerstingiella geocarpa* au Soudan français. Rev. Bot. Appl. 14: 210-211. Mr. 1934. no.151.

Walker, A.abbé.

Plantes aromatiques offerte par les Gabonais aux manes de leurs ancêtres. Rev. Bot. Appl. 14: 102-106. F.1934. no.150.

Wildeman, E. de.

La théorie de l'hybridation et J.P. Lotsy (1867-1931). Rev. Bot. Appl. 14: 201-206.

Mr. 1934. no.151.

Rev. Gén. Bot. (Paris) (45OR326)

Côzic,

Etude biochimique de *Bacterium xylinum*. (cont.)

Rev. Gén. Bot. 46: 157-171. Mr. 1934. no.543.

Davy de Virville, A.

La flore et le climat d'un Vallon des Albères.

Rev. Gén. Bot. 46: 129-156. illus. (map), pl.ii-viii. Mr. 1934. no.543.

Teodoresco, E. C.

Le développement des algues et la réfrangibilité de la lumière. (cont.) Rev. Gén. Bot.

46: 172-192. illus. Mr. 1934. no.543.



Schrift. Naturw. Ver. Schleswig-Holst. (509K54)

Hoffmann, C.

Beiträge zur algenflora der westlichen Ostsee.

Schrift. Naturw. Ver. Schleswig-Holst. 20: 106-115.

illus. 1933. no.1.

Science (470Sci2)

Barnes, R. C.

The effect of heavy water of low concentration on Euglena. Science 79: 370. Ap.20, 1934. no.2051.

Deuber, C. G.

Methylene blue and gassed plants. Science 79: 389-390. Ap.27, 1934. no.2052.

Results of investigation are interpreted as indicating that methylene blue supplied to the roots is effective in aiding recovery of tomato plants that have been exposed to illuminating gas and to ethylene.

Hitchcock, A. S.

Taxonomy as a fundamental factor in botanical research. Science 79: 407-408. My.4, 1934. no.2053.

Jones, L. R.

The oldest known plant virus disease. Science 79: 385. Ap.27, 1934. no.2052.

Review of M.B. McKay and M.F. Warner's Historical sketch of tulip mosaic or "breaking".

Karling, J. S.

Resting sporangia of Cladochytrium. Science 79: 390. Ap.27, 1934. no.2052.

Kozlowski, A.

A simple method for the isolation of glutathione from yeast. Science 79: 388-389. Ap.27, 1934. no.2052.

Kramer, P. J.

Effects of soil temperature on the absorption of water by plants. Science 79: 371-372. Ap.20, 1934. no.2051.

Shantz, H. L.

Botanical research. Science 79: 351-355. Ap.20, 1934. no.2051.



Science (cont.)

Streets, R. B.

The treatment of deciduous fruit trees and nut trees infected by *Phymatotrichum omnivorum* with ammonium compounds. Science 79: 417-418. My.4, 1934. no.2053.

[The life span of cut flowers lengthened by use of copper containers] Science v.79, no.2053, Suppl. p.9. My.4,1934.

Discovery reported by John Ratsek, N.Y. state college of agriculture.

Science News Letter (470Sci24)

Chance big pears have double chromosome count. Science News Letter 25: 266. Ap.28, 1934. no.681.

Report from Dept. of genetics, Carnegie Inst. Washington, Cold Spring Harbor, N.Y., given at Nat'l. Acad. Sci. meetings.

Measure plant's carbon dioxide fixing efficiency. Science News Letter 25: 281. My.5, 1934. no.682.

Experiments with *Chlorella* reported by Prof. B.M. Duggar at the Nat'l Acad. of Sci. meetings.

Seed-fern fruits from southwest identified. Science News Letter 25: 280. My.5,1934. no.682.

Supaia described by Dr. David White at the Nat'l. Acad. Sci. meetings.

Sci. Papers Inst. Phys. & Chem. Res. (Tokyo) (513T577)

Takci, S., Miyajima, S. & Ono, M.

Ueber rotenon, den wirksamen bestandteil der derriswurzel. XIV-XVI. Sci. Papers Inst. Phys. & Chem. Res. (Tokyo) 24(494/498): 1-24. Ap.1, 1934.

Scient. Month. (470Sci23)

Fuller, G.D.

The plant communities of the dunes. Scient. Month. 38: 444-451. illus. My.1934. no.5.

Sitzungsb. Akad. Wiss. Wien Math.-Naturw.Kl. Abt.I. (510V67)

Fritsch, K.

Beobachtungen über blütenbesuchende insekten in Steiermark, 1914. Sitzungsb. Akad. Wiss. Wien Math.-Naturw. Kl. Abt.I,142: 243-262. 1933. no.8/10.



Sitzungsbk. Akad. Wiss. Wien Math.-Naturw. Kl. Abt.I. (cont.)  
Lämmermayr, L.

Floristische ergebnisse einer begehung der  
magnesitlagerstätten bei Dienten (Salzburg).  
Sitzungsbk. Akad. Wiss. Wien Math.-Naturw. Kl.  
Abt.I,142: 233-242. 1933. no.8/10.

Succulenta (Leeuwarden) (450Sul)

Houten, J. M. v.d.

Erfelijckheid en bastaardeering. III. Suc-  
culenta 16: 56-62. illus. Ap.1934. no.4.

Tischer, A.

Conophytum. N.E. Br. Succulenta 16: 54-56.  
illus. Ap.1934. no.4.  
C. terricolor n.sp.

Das Superphosphat (Berlin)

Eichinger, A.

Kartoffelschorf und düngung. IV. Das Super-  
phosphat 10: 1-8. illus. F.1934. no.1.

Tieteel. Julk. Suomen Suoviljelys (Vetensk. Skrift. Finska  
Mosskult.) (Helsinki) (20F493T)

Kotilainen, M. J.

Zur frage der pH-amplitude einiger moorpflanzen,  
kritische bemerkungen. Tieteel. Julk. Suomen  
Suoviljelys (Vetensk. Skrift. Finska Mosskult.)  
13. 44 p. 1933.

Page 33-40, Einige bemerkungen und ergänzungen  
von Gunnar Booberg und further word by author.

Torreya (450T63)

Arthur, J. C.

Another Aeschynomene rust. Torreya 34:  
46. Mr./Ap. 1934. no.2.  
Uredo posita n.sp.

Cockerell, T.D. A.

What is a binominal? What is a forma?  
Torreya 34: 42. Mr./Ap. 1934. no.2.

Mueller, C. H.

Some notes on plants of Trans-pecos Texas.  
Torreys 34: 40-41. Mr./Ap.1934. no.2.  
Thisos Mts.



Torreyia (cont.)

Osterhout, G. E.

A new *Cirsium* from South Dakota. *Torreyia*  
34: 45. Mr./Ap.1934. no.2.  
*C. coccinatum*.

Pratt, R.

Fruiting relations of some Mycetozaa.  
*Torreyia* 34: 37-39. Mr./Ap. 1934. no.2.

Tulloch, G. S.

A new record for *Leptomitus* from Alaska.  
*Torreyia* 34: 43-44. Mr./Ap. 1934. no.2.

Yuncker, T. G.

Some botanical aspects of the Hawaiian Islands.  
*Torreyia* 34: 29-36. Mr./Ap. 1934. no.2.

Trans. Illinois State Hort. Soc. (81116)

Anderson, H. W.

Some fundamental facts concerning apple scab  
and its control. *Trans. Illinois State Hort.*  
*Soc.* 67(1933): 451-462. 1934.

Dorsey, M. J.

The bud sport situation in pomology. *Trans.*  
*Illinois State Hort. Soc.* 67(1933): 212-224.  
1934.

Dorsey, M. J.

Relation of fruit bud formation and the set.  
*Trans. Illinois State Hort. Soc.* 67(1933): 466-477.  
1934.

Trop. Agriculture West Indies (Trinidad) (26T754)

Pyke, E. E.

Nitrogen and plant growth. *Trop. Agriculture*  
*West Indies* 11: 124-125. My.1934. no.5.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Darrow, G. M.

Notes on variegated leaf troubles of straw-  
berries. *U.S. Dept. Agr. Plant Dis. Rep.* 18:  
26-29. Ap.1,1934. no.3.

McWhorter, F. P.

English form of tomato spotted wilt found in  
Oregon greenhouse. *U.S. Dept. Agr. Plant Dis.*  
*Rep.* 18: 25-26. Ap.1,1934. no.3.



U.S. Dept. Agr. Plant Dis. Rep. (cont.)

Sprague, R.

Observations on diseases of Gramineae in Oregon and adjacent parts of Washington during the open winter of 1933-1934. U.S. Dept. Agr. Plant Dis. Rep. 18: 24-25. Ap.1, 1934. no.3.

Early records of cranberry false blossom. U.S. Dept. Agr. Plant Dis. Rep. 18: 29-33 illus. Ap.1, 1934. no.3.

Verh. Zool.-Bot. Ges. Wien. (410.9V67)

Lämmermayr, L.

Bericht über die floristische begehung zweier steirischer magnesitlager. Verh. Zool.-Bot. Ges. Wien 83: 202-210. 1933. no.3/4.

Kaswassergraben bei Gross-reifling und jasinggraben bei St. Michael.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Elssmann, E.

Bekämpfung der Septoria-blattfleckenkrankheit des sellerie. Mehrjährige spritzversuche mit kupferbrühen. I. Zeitschr. Pflanzenkr. 44: 192-205. illus. Ap.1934. no.4.

Husz, B.

Ueber die zugehörigkeit von Phellomyces sclerotiophorus Frank und dessen unterscheidung von Spondylocladium atrovirens Harz. Zeitschr. Pflanzenkr. 44: 186-191. illus. Ap.1934. no.4.

Zeitschr. Pilzk. (Leipzig) (450Z352)

Hintikka, T. J.

P.A.Karsten. Anlässlich seines 100. geburtstages. Zeitschr. Pilzk. 18(n.s.,13): 16-21. pl.i (port.) Mr. 1934. no.1.

Kärber, G.

Lorchel (*Helvella esculenta*)-vergiftung. (cont.) Zeitschr. Pilzk. 18(n.s.13): 24-27. Mr.1934. no.1.

Kallenbach, F.

Gallen am flachen porling (*Polyporus applanatus*) (schluss) Zeitschr. Pilzk. 18(n.s.,13): 21-22. Mr.1934. no.1.

Kallenbach, F.

Ein riesiger laubporling (*Polyporus frondosus*). Zeitschr. Pilzk. 18(n.s.,13): 22-24. pl.2-3. Mr.1934. no.1.



- Zeitschr. Zücht. A. Pflanzenzücht. (Berlin) (450Z36)  
Benl, G.  
Genanalyse bei *Zea mays*. I. Zeitschr.  
Zücht. A. Pflanzenzücht. 19: 235-297. Ap.  
1934. no.2.
- Breslavetz, L., Medwedowa, G. & Magitt, M.  
Zytologische untersuchungen der bastpflanzen  
(*Apocynum*, *Boehmeria*, *Hibiscus*, *Abutilon* und  
*Crotalaria*). Zeitschr. Zücht. A. Pflanzenzücht.  
19: 229-234. illus. Ap.1934. no.2.
- Jung, E.  
Ueber körnerausfall bei roggen. Zeitschr.  
Zücht. A. Pflanzenzücht. 19: 153-163. illus.  
Ap.1934. no.2.
- Kattermann, G.  
Zytologische notiz über weizen-roggen-bastarde.  
Zeitschr. Zücht. A, Pflanzenzücht. 19: 183-194.  
illus. Ap.1934. no.2.
- Mayr, E.  
Die bedeutung der alpinen getreidelandsorten  
für die pflanzenzüchtung und stammesforschung mit  
besonderer beschreibung der landsorten in Nordtirol  
und Vorarlberg. Zeitschr. Zücht. A, Pflanzenzücht.  
19: 195-228. illus. Ap.1934. no.2.
- Zimmermann, J. G.  
Anatomische und morphologische untersuchungen  
über die brüchigkeit der ährenspindel in der gat-  
tung *Triticum*. Zeitschr. Zücht. A, Pflanzenzücht.  
19: 164-182. illus. Ap.1934. no.2.
- Zentralbl. Bakt. Abt.II. (Jena) (448.3033)  
Reinking, O. A.  
Interesting new *Fusaria*. Zentralbl. Bakt.  
Abt.II, 89: 509-514. illus. Ap.4, 1934. no.25/26.  
*F. sublunatum*, *F. elongatum*, *F. concolor*, n.spp.  
Reinking, O. A. & Manns, M.M.  
Parasitic and other *Fusaria* counted in Columbia  
soils. Zentralbl. Bakt. Abt.II, 89: 502-509.  
Ap.4, 1934. no.25/26.
- Exp. Stat. Publ.  
Beach, G. A.  
A preliminary study of the fruiting habits of  
the black raspberry, *Rubus occidentalis*. Colorado  
Agr. Exp. Stat. Techn. Bull. 8. 18 p. illus.  
Mr.1934(100C71S)



Expt. Stat. Publ. (cont.)

Post, K.

Production of early blooms of chrysanthemums by the use of black cloth to reduce the length of day. Cornell Agr. Exp. Stat. Bull. 594. 30 p. illus. Ap.1934 (100N48C)

Georgia costal plain experiment station

Tobacco diseases. In its Ann. Rep. 13(1932, Bull.21): 94-99. Je.1933 (Rec'd F.1934) (100G292)

Wildon, C. E.

Garden flowers. Michigan Agr. Exp. Stat. Circ. Bull. 92 (rev.) 47 p. illus. F.1933. (100M58S)

Annual vines: p.40-41. Ornamental grasses: p.41-43.

Howlett, F. S.

Pollination of the apple in Ohio. Ohio Agr. Exp. Stat. Bimonth. Bull. 19: 65-70. Mr./Ap. 1934. no.167. (100Oh3S)

Completion of 10 consecutive years of apple pollination.

Ohio agricultural experiment station.

Botany and plant pathology. In its Ann. Rep. 52(1932/33) Bull.532: 33-38. illus. F.1934. (100Oh3S)

H.C. Young chief.

Wilson, J. D.

Cabbage clubroot in muck soils. Ohio Agr. Exp. Stat. Bimonth. Bull. 19: 58-65. illus. Mr./Ap.1934 (100Oh3S) no.167.

New Books.

Borodin, D. N.

Yarovization formulas for winter oats. N.Y., The author, 1934 (59.23B64)

Steyn, D. G.

The toxicology of plants in South Africa together with a consideration of poisonous food-stuffs and fungi. Johannesburg, Central news agency, 1934. (South African agricultural series Vol. XIII) (452.83St4)

Correction

v.16, no.7, p.17,18.

Dokl. Akad.Nauk SSSR

Entries should all have year date 1934, last entry on p.17 is in no.5; 4th and 5th on p.18, in no.3 and no.2 respectively.



lc  
**BOTANY**  
CURRENT LITERATURE

LIBRARY  
RECEIVED

★ MAY 26 1934 ★

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY U. S. Department of Agriculture  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 10.

May 7-19, 1934.

Abstr. Doctors' Diss. Ohio State Univ. (241.80h3)  
Ikenberry, G. J.

The relation of hydrogen-ion concentration to  
the growth and distribution of mosses. Abstr.  
Doctors' Diss. Ohio State Univ. 12: 115-124. 1933.

Yang, Y. K.

The relation of pseudo-starch to vigor in  
sweet corn (*Zea saccharata* Sturt). Abstr.  
Doctors' Diss. Ohio State Univ. 12: 296-313.  
1933.

Agr. Gaz. N.S.W. (Sydney) (23N472)  
Eastwood, H. W.

The Australian nut. A valuable industry  
awaiting development. Agr. Gaz. N. S. W. 45:  
203-209. illus. Ap.1, 1934. no.4.

Agron. Colon. (Paris) (26Ag812)  
Bouriquet, G.

Les maladies du caféier à Madagascar. (concl.)  
Agron. Colon. 23: 73-82, 109-118. pl. iii-iv.  
Mr., Ap. 1934. no.195,196.

Amer. Journ. Bot. (450Am36)

Griggs, R. F. & Ready, D.

Growth of liverworts from Katmai in nitrogen -  
free media. Amer. Journ. Bot. 21: 265-277.  
illus. My.1934. no.5.

"Liverworts, especially *Cephaloziella*, can grow  
on media lower in combined nitrogen than any ordi-  
nary plants."

Hicks, G. C. & Stebbins, G. L.

Meiosis in some species and a hybrid of *Paeonia*.  
Amer. Journ. Bot. 21: 328-241. illus. My.1934.  
no.5.

Kessler, E.v.

A preliminary study of varietal resistance  
in the pineapple to the root rot fungus *Nemato-*  
*sporangium rhizophthoron*. Amer. Journ. Bot. 21:  
251-260. My.1934. no.5.



Amer. Journ. Bot. (cont.)

Miner, E. L.

A new *Gleicheniopsis* from the upper cretaceous of western Greenland. Amer. Journ. Bot. 21: 261-264. illus. My.1934. no.5.

*G. erlansonii*.

Pearl, R., Edwards, T.I., Winsor, A.A. & Winsor, C.P.

Aeration and growth of canteloup seedlings, (*Cucumis melo*) Amer. Journ. Bot. 21: 242-250. illus. My.1934. no.5.

Peirce, G. J.

Observations on sap hydraulics. Amer. Journ. Bot. 21: 211-227. My.1934. no.5.

Reed, G. M.

Inheritance of resistance to loose and covered smut in hybrids of black Mesdag with Hull-less, Silvermine, and early Champion oats. Amer. Journ. Bot. 21: 278-291. My.1934. no.5.

Amer. Nat. (470Am36)

Edwards, T. I.

Seed frequencies in *Cytisus* and *Peltandra*. Amer. Nat. 68: 283-285. My./Je. 1934. no.716.

Ann. Tecn. Agr. (Roma) (16An73)

Alessandro, A. d'

Sulla struttura dei fasci fibrosi di alcune varietà di canapa. Ann. Tecn. Agr. (Rome) 7: 197-200. illus. Ap.1, 1934. no.2.

Cecchetti, A.

Osservazioni su di una grave malattia nei vivai di peri. Ann. Tecn. Agr. (Rome) 7: 164-182. Ap.1, 1934. no.2.

Physiological?

Curzi, M.

Le malattie da virus delle piante. Ann. Tecn. Agr.(Rome) 7:183-196. Ap.1, 1934. no.2.

Gustavo, A. de.

Frutticoltura industriale. Conclusione sulle sperimentazioni di fecondazione dei fruttiferi. Ann. Tecn. Agr. (Rome) 7: 125-163. pl. Ap.1, 1934. no.2.

La Notte, F. S.

Misure di accrescimento delle frutta. Ann. Tecn. Agr. (Rome) 7: 201-230. Ap.1, 1934. no.2.



Ann. Tecn. Agr. (Rome) (cont.)

Sallusto, F.

Del grasso contenuto nei gusci delle noci  
(*Juglans regia* L.) Ann. Tecn. Agr. (Rome)  
7: 236-241. Ap.1, 1934. no.2.

Ann. Rep. Conserv. Dept. N.Y. (279.9N48)

New York. Conservation dept.

White pine blister rust control [& forestry  
investigations] Its Ann. Rep. 23: 107-130.  
1934.

Balsam canker: p.126-129 (on balsam fir,  
*Cryptosporium macrosporium* isolated from cankers)

Arch. Bot. Sist., Fitogeogr. e Gen. (Forli) (450Ar24)

Cufodontis, G.

Risultati della spedizione biologica austriaca  
in Costarica nel 1930. Raccolte botaniche, terza  
parte. [1]. Descrizione di specie nuove e publica-  
zione di specie finora ignote della Costarica, con  
osservazioni critiche. Arch. Bot. Sist., Fito-  
geogr. e Gen. 10: 25-51. pl.i-ii. Ap.1934. no.1.

Landi, M.

Contributo alla flora della Sardegna.

Arch. Bot. Sist., Fitogeogr. e Gen. 10: 52-70.  
Ap. 1934. no.1

Luzzatto, G.

*Anemone hortensis* L., *A. pavonina* Lam., *A.*  
*fulgens* Gay e *A. regina* Risso. Studio sistematico  
e fitogeografici. (cont.) Arch. Bot. Sist.,  
Fitogeogr. e Gen. 10: 1-24. Ap.1934. no.1.

Morton, F.

Pflanzengeographische monographie der  
Quarnerinsel Cherso. (cont.) Arch. Bot. Sist.,  
Fitogeogr. e Gen. 10: 71-92. Ap.1934. no.1.

Arch. Exp. Zellforsch. Gewebezücht. (442.8Ar24)

Smith, J. H.

Remarks on the size of plant viruses. Arch.  
Exp. Zellforsch. Gewebezücht. 15: 454-456. 1934.  
no.2/4.

Smith, K. M.

The plant virus in the insect vector. Arch.  
Exp. Zellforsch. Gewebezücht. 15: 459. 1934. no.2/4.

Storey, H. H.

Studies on the mechanism of the transmission of  
plant viruses by insects. Arch. Exp. Zellforsch.  
Gewebezücht. 15: 457-458. 1934. no.2/4.



Arch. Suikerind. Nederl. Indië (Medcd.) (Soerabaja) (65.8Ar2)

Bremer, G.

De cytologie van het suikerriet. VII. Een cytologisch onderzoek van een vijftigtal in 1929-1930 op Java geïmporteerde rietsoorten. Arch. Suikerind. Nederl. Indië 1934, pt.2(Meded.5): 141-166. illus. 1934.

Ark. Bot. (Stockholm) (451Sv2)

Möller, H.

Grimmiaceae 2. Grimmia. Ark. Bot. v.26, no.2 138 p. illus., 7 pl. 1934(0.4, 1933)  
Lövmossornas utbredning i Sverige XII.

Rechinger, K. H.

Die süd- und zentralamerikanischen arten der gattung Rumex. Ark. Bot. v.26, no.3. 58 p. illus., 6 pl. 1934(N.16, 1933)

Vorarbeiten zu einer monographie der gattung Rumex III.

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. (Rome) (507R66)

Curzi, M.

La Phytophthora (Blepharospora) cambivora Petri sul noce. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 18: 587-592 D.17, 1933. no.12.

Better Fruit. (Portland, Ore.) (80B46)

Tukey, H. B.

Winter injury and the treatment. Better Fruit 28(11): 12. My.1934.

Blumen u. Pflanzenb. (Berlin) (80B623)

Meyer, F.

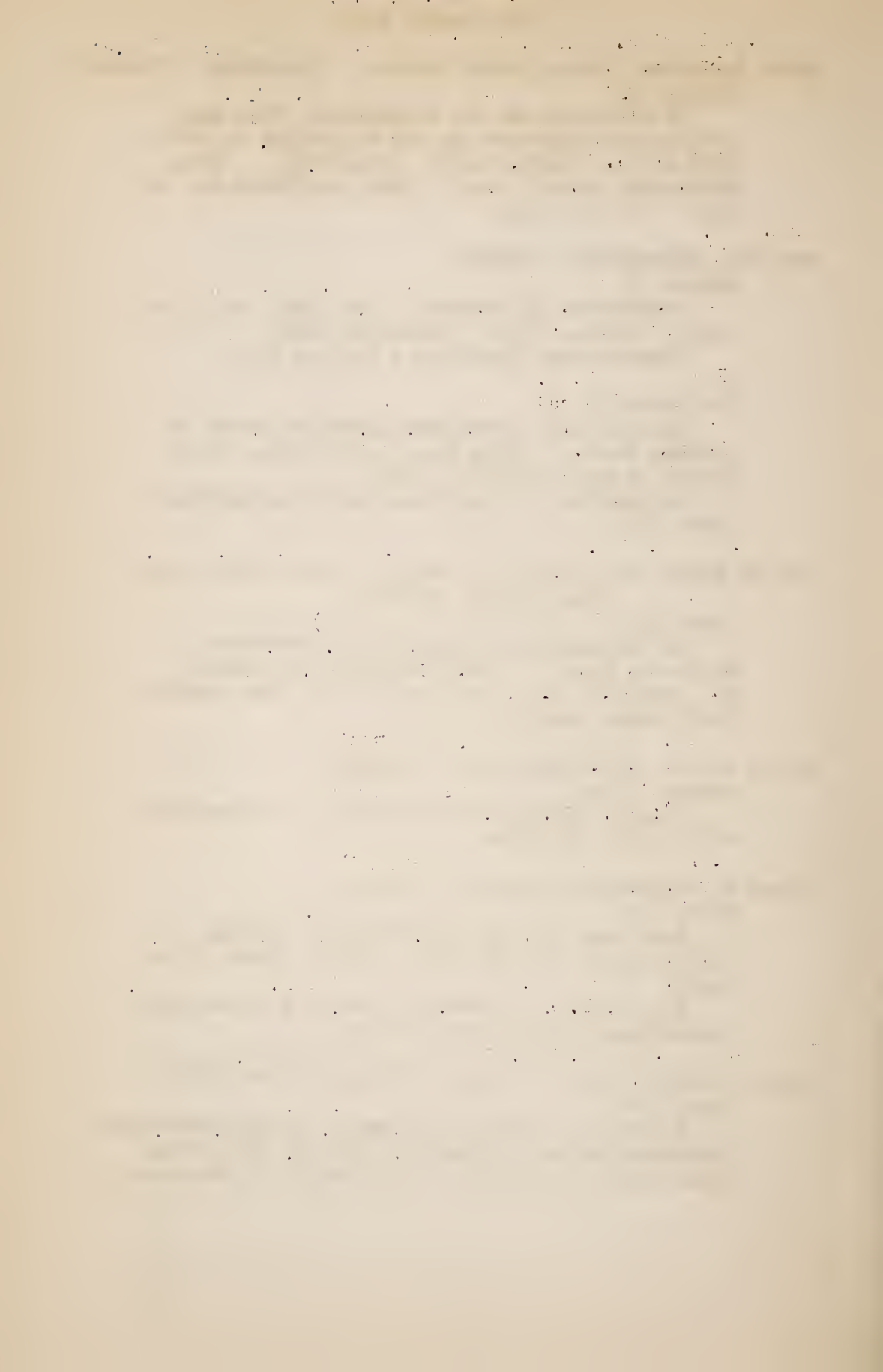
Drei neue varietäten der fichte. Blumen u. Pflanzenb. 38: 206-207. illus. Ap.20, 1934. no.16.

P. glauca var. candelabriformis, P. glauca var. procumbens, P. abies var. agnesiae.

Boll. R. Staz. Patol. Veg. Roma (Firenze) (464.9R662)

Curzi, M.

De fungis et morbis africanis. II. De Pseudomonas plantarum parasitis Somaliae. Boll. R. Staz. Veg. Roma n.s., 14: 173-184. pl.xii-xiii. 1934. no.1.



Boll. R. Staz. Patol. Veg. Roma (cont.)

Curzi, M.

Lo Stereum purpureum Pers. nel mal del piombo in Italia. Boll. R. Staz. Patol. Veg. Roma n.s., 14: 117-124. illus., pl.ix. 1934. no.1.  
Brief English summary: p.124.

Gigante, R.

Ricerche sulla morfologia, la biologia e la posizione sistematica del fungo che è stato descritto come *Macrophoma dalmatica*. Boll. R. Staz. Patol. Veg. Roma n.s., 14:125-172. illus., pl. x-xi. 1934. no.1.

*M. dalmatica* a stage of *Sphaeropsis dalmatica*.

Petri, L.

Rassegna dei casi fitopatologici osservati nel 1933. Boll. R. Staz. Patol. Veg. Roma n.s., 14: 1-78. illus. 1934. no.1.

Savastano, G.

Ricerche fisiologiche sul raggrinzimento delle drupe dell'olivo. Boll.R.Staz. Patol. Veg. Roma n.s.,14: 79-116. illus.,pl.i-viii. 1934. no.1.  
English summary: p.112-113.

Boll. Soc. Ital. Biol. Sper. (Napoli) (442.8Sol2)

Baldacci, E., & Ciferri, R.

Intorno alla patogenicità di alcuni batterii dell'uomo per il frutto del pomodoro. I-II.  
Boll. Soc. Ital. Biol. Sper. 9: 197-202. Mr. 1934. no.3.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Anes, O., Hubbard, F. T. & Schweinfurth, C.

Three polymorphic alliances in *Epidendrum*.  
Bot. Mus. Leafl. Harvard Univ. 2: 41-71. My.12, 1934. no.4.

Bryologist (Pittsburgh) (450B84)

Clark, L. & Frye, T. C.

Liverworts new to the northwestern states.  
Bryologist 37: 1-2. Ja.F. 1934. no.1.

Knobloch, I. W.

A few liverworts unreported from western New York. Bryologist 37: 10-11. Ja./F. 1934. no.1.

AND OF THE  
ACADEMY OF SCIENCES  
AND ARTS OF BERLIN

IN THE  
SEVENTEENTH AND EIGHTEENTH CENTURIES

BY  
JOHN DE LAET

AND  
J. VAN DER HAEGHE

TRANSLATED  
FROM THE  
DUTCH

BY  
J. VAN DER HAEGHE

AND  
J. VAN DER HAEGHE

AND  
J. VAN DER HAEGHE

AND  
J. VAN DER HAEGHE

Bryologist (cont.)

Plitt, C. C.

Albert Schneider. Bryologist 37: 5-8.  
port. Ja./F. 1934. no.1.

List of papers and books by Dr. Schneider: p.8

Trotter, L. B. C.

Plagiothecium denticulatum B. & S. forma  
propagulifera Ruthe, C. Fr., in Britain.  
Bryologist 37: 9-10. illus. Ja./F.1934. no.1

Bull. Écon. Indochine (22.5In2)

Angenot, P.

Premiers travaux d'amélioration de l'Hevea  
brasiliensis en Indochine, pollinisation artifici-  
elle. Bull. Écon. Indochine 37: 19-43. 7 pl.  
Ja./F. 1934.

Bull. Gard. Club Amer. (90.32G16)

Allard, H. A.

The magic influence of length-of-day in the  
flowering responses of plants. Bull. Gard.  
Club Amer. 5(9): 120-123. illus. My.1934.

Noyes, J. N.

A botanic garden in Washington. Bull. Gard.  
Club Amer. 5(9): 74-75. My.1934.

Bull. Mens. Soc. Nat. Hort. France (Paris) (86Sol3)

Duvernay, J. M.

Résumé des travaux de la commission des Iris  
pendant l'année 1933. Bull. Mens. Soc. Nat.  
Hort. France 1: 133-143. 4 pl. Mr.1934.

Bull. Missouri State Mus. (Jefferson City) (500M692)

Scott, I. T.

Woody plants of Missouri. Bull. Missouri  
State Mus. no.7. xxxii p. F.1934.  
Mimeographed.

Bull. Soc. Hist. Nat. Afr. Nord (Alger) (410.9Sol25)

Maire, R. & Werner, R. G.

Contribution à la flore cryptogamique du Maroc.  
IV. Bull. Soc. Hist. Nat. Afr. Nord 25: 40-60.  
F.1934. no.2.



Bull. Soc. Nat. Acclim. France (Paris) (410.9P21)

Chouard, P.

La multiplication végétative et le bourgeonnement chez les plantes vasculaires. III. Connaissances sur les mécanismes du bourgeonnement. Bull. Soc. Nat. Acclim. France 81: 118-132. illus. Mr.1934. no.3.

Canad. Hort. (Peterboro, Ont.) (80G16)

Chamberlain, G. C.

Cultural practices and disease in the orchard. Canad. Hort. 57:123. illus. My.1934. no.5.

Webster, J. L.

Bud mutations in apples. Canad. Hort. 57: 120-121. illus. My.1934. no.5.

Cane Grow. Quart. Bull. Queensl. (65.9Q30)

Bell, A. F.

What are the losses due to red stripe (top rot) disease? Cane Grow. Quart. Bull. Queensl. 1: 35-37. O.1, 1933. no.2.

Cottrell-Dormer, W.

The control of diseases in young plant cane. Cane Grow. Quart. Bull. Queensl. 1: 49-52. O.1, 1933. no.2.

Cottrell-Dormer, W.

The selection of disease-free cane plants. Cane Grow. Quart. Bull. Queensl. 1: 121-125. illus. Ap.1, 1934. no.4.

Mungomery, R. W. & Bell, A. F.

The spread of Fiji disease by insects. Cane Grow. Quart. Bull. Queensl. 1: 20-23. illus. Jl.1, 1933. no.1.

Citrus Riv. Camera Agrum. Messina (236.83M56)

Petri, L.

Per la lotta obbligatoria contro "il mal secco" degli agrumi nelle provincie di Messina e di Catania. Citrus Riv. Camera Agrum. Messina II, 20: 51. Mr.1934. no.3.

Ronchi, C.

"Il mal secco" degli agrumi in Provincia di Catania. Citrus Riv. Camera Agrum. Messina II, 20: 47-50. Mr.1934. no.3.



Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)

Branas, J. & Dulac, J.

Nouvelle contribution à l'étude du mode d'action des bouilles cupriques. Compt. Rend. Acad. Agr. France 20: 500-505. Ap.25, 1934. no.14.

Compt. Rend. Acad. Sci. Paris (505P21)

Dangeard, P.

Sur le bourgeonnement des nucléoles observé chez le *Lathraea clandestina* et chez quelques plantes à prochromosomes. Compt. Rend. Acad. Sci. Paris 198: 1627-1629. Ap.30, 1934. no.18.

Ikeno, S.

Hérédité de la gynodioecie chez le *Petasites japonicus*. Compt. Rend. Acad. Sci. Paris 198: 1471. Ap.23, 1934. no.17.

Maige, A.

Conditions physicochimiques de formation des vacuoles amylogènes dans les plastes. Compt. Rend. Acad. Sci. Paris 198: 1537-1539. Ap.23, 1934. no.17.

Moreau, F. & Moruzi, C.

Sur les réactions sexuelles entre ascomycètes d'espèces différentes. Compt. Rend. Acad. Sci. Paris 198: 1533-1535. Ap.23, 1934. no.17.

Neurospora.

Reed, H. S. & Dufrenoy, J.

Détection histochimique du fer et du zinc dans les feuilles de citrus. Compt. Rend. Acad. Sci. Paris 198: 1535-1537. illus. Ap.23, 1934. no.17.

Reed, H. S. & Dufrenoy, J.

Méthodes de calcul de la courbe théorique de la croissance des sarments de vigne. Compt. Rend. Acad. Sci. Paris 198: 1624-1627. Ap.30, 1934. no.18.

Reilhaes, R.

Modifications des concrétions lipidiques (stérinoplastes de Mirande) dans le bulbe de *Lilium candidum* suivant la température. Compt. Rend. Acad. Sci. Paris 198: 1629-1631. Ap.30, 1934. no.18.



Compt. Rend. Acad. Sci. Paris (cont.)

Varitchak, B.

Sur la formation des organes de la reproduction sexuelle chez une espèce du genre *Saprolegnia* dans les cultures in vitro. Compt. Rend. Acad. Sci. Paris 198: 1531-1533. Ap.23, 1934. no.17.  
*S.dioica*.

Viala, P. & Marsais, P.

Sur la biologie du *Pumilus medullae*, cause du court-noué parasitaire de la vigne. Compt. Rend. Acad. Sci. Paris 198: 1557-1560. Ap.30, 1934. no.18.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Allain, A.

La formation des oeufs du *Phytophthora cambivora* en culture pure. Compt. Rend. Soc. Biol. Paris 115: 1521-1523. illus. 1934. no.13.

Lenoir, M.

Interaction des phénomènes de polarisation observés pendant la synizèse, dans les cellules mères primordiales des spores, chez l'*Equisetum variegatum* Schl. Observation vitale. Compt. Rend. Soc. Biol. Paris 115: 1452-1454. 1934. no.12.

Contr. Arnold Arb. (451Ar6C)

Raup, H. M.

Phytogeographic studies in the Peace and upper Liard river regions, Canada with a catalogue of vascular plants. Contr. Arnold Arb. no.6. 230 p. ix pl., fold.map. 1934.

Country Gentleman (Philadelphia)

Burton, W. E.

Watch your elms. Country Gentleman 104(6): 7,75. illus. Je. 1934.

Cyprus Agr. Journ. (21C992)

Nattrass, R. M.

Diseases of cereals. II. The flag or leaf smut of wheat. Cyprus Agr. Journ. 29: 9-13. illus. Mr.1934. no.1.

Dansk Skovforen. Tidsskr. (København) (99.8D23)

Jørgensen, C. A.

Bøgens kimbladskimmel og dens bekaempelse. Dansk Skovforen. Tidsskr. 4: 123-127. Ap.1934.  
*Phytophthora fagi*.



Desert (Pasadena) (450D45)

Brown, J. R.

The Greenovias of the Canary Islands.

Desert (Pasadena) 6:10-11. illus. My.1934.  
no.1.

Higgins, E. B.

An unusual aspect of a common plant. Desert  
(Pasadena) 6: 6-7. illus. My.1934. no.1.

*Opuntia subulata*.

Tyler, J.

The root-knot of nematode. Desert (Pasadena)  
6: 3-4. My. 1934. no.1.

Difesa Piante Torino (464.9D56)

Bongini, V.

Essiccamento anulare del fusto in piantoni dei  
vivai. Difesa Piante Torino 11: 62-67. illus.  
Ap.1934. no.2.

Diseases of *Sophora*, *Cytisus*, *Robinia* &  
*Laurocerasus*, caused by *Botrytis vulgaris* or *B.*  
*cinerea*.

Servazzi, O.

Note riassuntive sui parassiti e la patologia  
dei pioppi. II-III. Difesa Piante Torino 11: 41-  
62. Ap.1934. no.2.

II. I funghi parassiti. III. Batteriosi del  
pioppo canadese.

Servazzi, O.

Su alcune *Pestalotia* parassite facoltative  
di piante ornamentali. Difesa Piante Torino  
11: 16-35. illus. F.1934. no.1.

On *Arbutus unedo*, *rhododendron*, *Araucaria* &  
orchids (*P. conspicua* n.sp. on latter)

Entom. & Phytopath. Hangchow, China. (C423.92En8)

Chu, V., Tsui, P. & Yen, C.

The damage from corn smut in the vicinity  
of Hangchow, 1933. Entom. & Phytopath. Hangchow,  
China 2:42. Ja.21, 1934. no.3.

Chinese.

Ergebnisse Biol. (Berlin) (442Er3)

Du Buy, H. G. & Nuernbergk, E.

Phototropismus und wachstum der pflanzen. II.  
Ergebnisse Biol. 10: 207-322. illus. 1934.



Ergebnisse Biol. (cont.)

Wetzel, K.

Die chemischen vorgänge beim biologischen kohlehydratabbau. II. Die oxydoreduktive phase. Ergebnisse Biol. 10: 323-565. 1934.

Ernähr. Pflanze (Berlin) (57.8Er6)

Eglits, M.

Die empfänglichkeit des winterroggens für Puccinia dispersa in abhängigkeit von der mineral-salzernährung. Ernähr. Pflanze 30: 167. My. 1, 1934. no.9.

Faserforsch. (Leipzig) (73.8F26)

Robinson, B. B.

Versuche mit faserflachs-varietäten in Amerika. Faserforsch. 11: 12-19. Ap.14,1934. no.1.

Schilling, E.

Zur lage der deutschen flachszüchtung. Faserforsch. 11: 7-12. Ap.14, 1934. no.1.

Stephan, J.

Stimulationsversuche mit Cannabis sativa. II. Faserforsch. 11: 47-57. Ap.14, 1934. no.1.

Forstarchiv. (Hannover) (99.8F7723)

Rohde, T.

Kann man Rhabdocline pseudotsugae durch aushieb vertilgen? Forstarchiv 10: 123. Ap.15, 1934. no.8.

Gard. Chron. (London) (80G162)

Ball, E. K.

Plant collecting in Persia. IX. Mount Elwend. Gard. Chron. III, 95: 278-279. illus. Ap.28,1934. no.2470.

Beaumont, A.

The control of tulip "fire". Gard. Chron. III, 95: 277. Ap.28,1934. no.2470.

Boothman, H. S.

Aquilegias. (cont.) Gard. Chron. III, 95: 281. Ap.28,1934. no.2470.

Hutchinson, J.

A new Boothii rhododendron. Gard. Chron. III, 95: 276. illus. Ap.28, 1934. no.2470. R. chrysodoron.

Dear Mr. [Name]

I have your letter of July 18, 1957, regarding the matter of [Subject].

(S-1234) (P-5678)

The information provided in your letter has been reviewed and the following action is being taken:

(S-1234) (P-5678)

1. The matter is being referred to the appropriate department for their consideration.

2. A copy of your letter is being furnished to the relevant authorities.

3. You will be kept advised of any further developments.

(S-1234) (P-5678)

4. Your patience is appreciated and we thank you for your cooperation.

(S-1234) (P-5678)

5. If you have any further questions, please do not hesitate to contact us.

(S-1234) (P-5678)

6. We are sorry for any inconvenience caused and appreciate your understanding.

(S-1234) (P-5678)

7. Your attention is directed to the fact that [Additional Information].

(S-1234) (P-5678)

8. We are sure that you will find this information helpful.

(S-1234) (P-5678)

Gartenbauwiss. (Berlin) (80G195)

Gassner, G. & Hassebrauk, K.

Beiträge zur kenntnis des spargelrostes. Gartenbauwiss. 8: 455-476. illus. Ap.19, 1934. no.3.

Hoser, P.

Heterosis bei einem ppropfbastard von *Syringa vulgaris*. Gartenbauwiss. 8: 451-454. illus. Ap.19, 1934. no.3.

Kausche, K. A.

Ueber wachstums- und verwachsungserscheinungen oculationen von *Hevea brasiliensis*. Gartenbauwiss. 8: 411-450. illus. Ap.19, 1934. no.3.

Moog, H.

Beiträge zur ampelographie. V. Gartenbauwiss. 8: 365-384. illus. Ap.19, 1934. no.3.

Pape, H.

Neue wirtspflanzen ber blattälchen *Aphelenchus ritzembosi* Schwartz und *Aphelenchus olesistus* Ritz.-Bos. Gartenbauwiss. 8: 477-487. illus. Ap.19, 1934. no.3.

Traub, H. P.

Satsuma orange maturity and quality. Gartenbauwiss. 8: 385-393. Ap.19, 1934. no.3.

Uphof, J. C. T.

Wissenschaftliche beobachtungen und versuche an agrumen. VI. Einiges über die blütenverhältnisse (1.) Gartenbauwiss. 8: 394-410. illus. Ap.19, 1934. no.3.

Gartn.-Tid. (København) (80G192)

Fich, C.

Om kunstigt naeringsmateriale for champignon. Gartn.-Tid. 50: 283-240. My.1, 1934. no.18.

Hojas Divulg. Serv. Publ. Agr. Dir. Gen. Agr. y Montes. Spain  
(15H68)

Pozo Pelayo, C. del

Las "monas" del maiz. Hojas Divulg. Serv. Publ. Agr. Dir. Gen. Agr. y Montes. Spain 28(3): 10-12. illus. F.1934.



Indian Journ. Agr. Sci. (Calcutta) (22Ag831)

Afzal, M. & Iyer, S. S.

A statistical study of the growth of main stem in cotton. Indian Journ. Agr. Sci. 4: 147-165. F. 1934. no.1.

Ayyangar, G. N. R. & others.

Inheritance of characters in sorghum, the great millet. IV-VI. Indian Journ. Agr. Sci. 4: 81-89. 90-95, 96-99. pl.viii-x (2 col.) F. 1934. no.1.

IV. Brown grains. V. Linkage between sheath, glume and dry anther, grain colours. VI. Pearly and chalky grains.

Dastur, J. F.

Cotton anthracnose in the central provinces. Indian Journ. Agr. Sci. 4: 100-120. illus., pl. xi-xii. F. 1934. no.1.

Dutt, N. L. & Subba Rao, K. S.

A preliminary note on the membranous body in the cytoplasm as characteristic of the indigenous Indian canes. Indian Journ. Agr. Sci. 4: 228-230. pl. xvi-xvii. F.1934. no.1.

Hector, G. P., Sharngapani, S. G., Roy, K. P. & Chakravarty, S. C.

Varietal characters and classification of the rices of eastern Bengal. Indian Journ. Agr. Sci. 4: 1-80. pl.i-vii. F.1934. no.1.

Luthra, J. C. & Sattar, A.

Some experiments on the control of loose smut, *Ustilago tritici* (Pers.) Jens., of wheat. Indian Journ. Agr. Sci. 4: 177-199. illus. F.1934. no.1.

Viswa Nath, B., Ayyar, T. S. R. & Varahalu, T.

First year (1932-33) ripening tests with sugarcane x sorghum crosses. Indian Journ. Agr. Sci. 4: 210-227. F.1934. no.1.

Intern. Bull. Plant Prot. (464.8In8)

Stevens, N. E.

United States of America: Bacterial wilt of maize. Intern. Bull. Plant Prot. 8: 74-76. Ap. 1934. no.4.



Ital. Agr. (Milan) (16It1)

Baldacci, E. & Ciferri, R.

Il "marciume apicale" dei frutti di pomodoro.

Ital. Agr. 71: 277-282. illus. Ap.1934. no.4.

Dansi, A.

L'assorbimento delle sostanze organiche azotate da parte delle piante superiori. Ital. Agr. 71: 272-276. Ap.1934. no.4.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Montfort, C.

Farbe und stoffgewinn im meer. Untersuchungen zur theorie der komplementären farbenanpassung nordischer meeresalgen. Jahrb. Wiss. Bot. 79: 493-592. illus. Ap.1934. no.4.

Seybold, A.

Ueber die lichtenergiebilanz submerser wasserpflanzen, vornehmlich der meeresalgen. Jahrb. Wiss. Bot. 79: 593-554. illus. Ap.1934. no.4.

Jardinage (Paris) (80J282)

Davet, J.

Les charbons des renouées. Jardinage 22(183): 26-27. illus. My.1934.

Ustilago bistortarum, U. marginalis, Sphacelotheca alpina, S. polygoni-alpini & c. on species of Polygonum.

Journ. Amer. Chem. Soc. (381Am33J)

Jones, H. A.

Lonchocarpic acid, a new compound from a species of Lonchocarpus. Journ. Amer. Chem. Soc. 56: 1247-1248. My.1934. no.5.

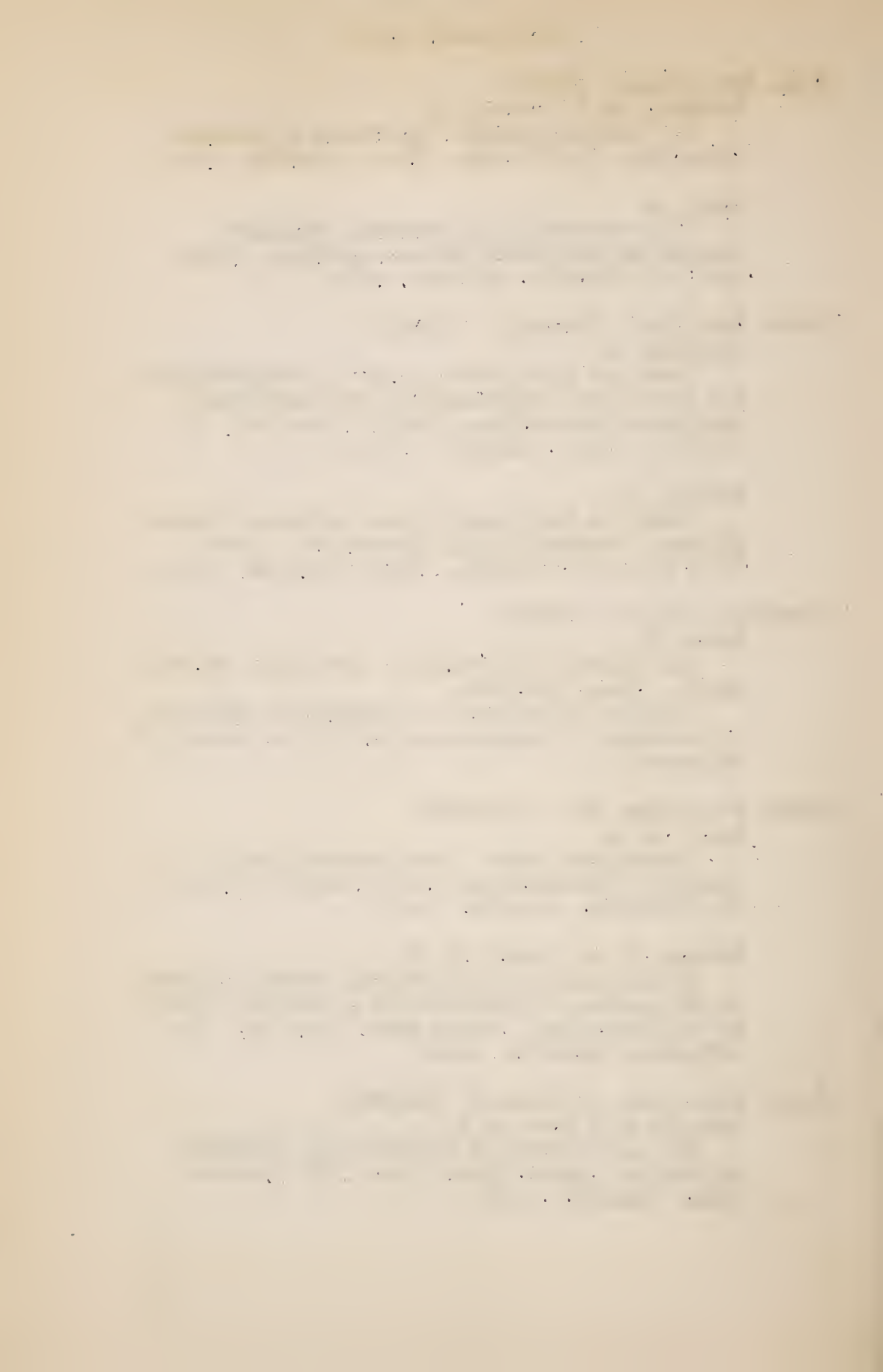
Waksman, S. A. & Smith, H. W.

Transformation of the methoxyl group in lignin in the process of decomposition of organic residues by microorganisms. Journ. Amer. Chem. Soc. 56: 1225-1229. My.1934. no.5.

Journ. Biol. Chem. (Baltimore) (381J824)

Chen, K. K. & Chen, A. L.

The constituents of be-still nuts, Thevetia nerifolia. Journ. Biol. Chem. 105: 231-240. illus. My.1934. no.2.



Journ. Elisha Mitchell Sci. Soc. (Chapel Hill, N.C.) (500E14)  
Rankin, D. E.

The life history of *Polypodium polypodioides*  
Hitch., especially spermatogenesis. Journ.  
Elisha Mitchell Sci. Soc. 49: 303-328. pl.23-26.  
Ap. 1934. no.2.

Waynick, M.

A rot of pear caused by the red bread-mold  
fungus. Journ. Elisha Mitchell Sci. Soc. 49:  
285-288. illus. Ap.1934. no.2.

*Neurospora sitophila*.

Journ. Fac. Sci. Hokkaido Imp. Univ. Ser. V, Bot. (Sapporo)  
(451H68)

Haga, T.

The comparative morphology of the chromosome  
complement in the tribe Parideae. Journ. Fac.  
Sci. Hokkaido Imp. Univ. Ser. V, Bot. 3: 1-32.  
illus., pl. Mr.1934. no.1.

*Trillium & Paris*.

Yamada, Y.

The marine Chlorophyceae from Ryukyu, especial-  
ly from the vicinity of Nawa. Journ. Fac. Sci.  
Hokkaido Imp. Univ. Ser. V, Bot. 3: 33-88. illus.  
Mr.1934. no.2.

Journ. For. (Washington, D. C.) (99.8F768)

Control of the white pine blister-rust.

Journ. For. 32: 590-593. My.1934. no.5.

Sub-committee report to New England section,  
Society of American foresters, John S. Boyce, chair-  
man.

Siggers, P. V.

Observations on the influence of fire on the  
brown-spot needle blight of longleaf pine seedlings.  
Journ. For. 32: 556-562. My.1934. no.5.

Journ. Landw. (Berlin) (18J825)

Blanck, E. & Giesecke, F.

Zweiter beitrage zur frage nach dem zeitlichen  
verlauf der nährstoffaufnahme des hafers. Journ.  
Landw. 82: 33-59. 1934. no.1.

Journ. Mysore Agr. & Exp. Union (22M993)

Badami, V.

Sugarcane breeding work in Mysore. Journ.  
Mysore Agr. & Exp. Union 14: 29-36. [1933?] no.1.



Journ. N.Y. Bot. Gard. (89N48J)

Alexander, E. J.

Report of the southern Appalachian expedition.

I. Journ. N.Y. Bot. Gard. 35: 105-113,

illus. My.1934. no.413.

Howe, M. A.

Elizabeth Gertrude Britton. Journ. N.Y.

Bot. Gard. 35: 97-103. port. My.1934. no.413.

McLean, F. T. & Woodward, C.H.

California wild flowers exhibited by the garden at the international flower show.

Journ. N.Y. Bot. Gard. 35: 88-94. illus. Ap.

1934. no.412.

Journ. Washington Acad. Sci. (500W276J)

Berry, E. W.

A walnut from the Chesapeake Miocene. Journ.

Washington Acad. Sci. 24: 227-229. illus. My.15,

1934. no.5.

*Juglans calvertiana* n.sp.

Landbouw. Nederl.-Indië (Buitenzorg) (22.5L23)

Mol, G. A.de

Gambircultuur en gambirbereiding in de onderafdeelingen Sekadau en Sintang van West-Borneo.

(Cultivation and manufacture of gambier in West-Borneo) Landbouw, Nederl.-Indië 9: 336-370.

illus. Ja. 1934. no.7.

English summary: p.369-370.

Louisiana Conserv. Rev. (New Orleans) (279.9L93C)

Stephens, E. L.

"I saw in Louisiana a live oak growing."

Louisiana Conserv. Rev. 4(2): 17-22. illus.

Ap.1934.

Maataloustiet. Aikak. [Agric. Mag.] (Helsingfors) (20Su7M)

Kujala, V.

Tutkimuksia peltorikkaruhojen sienienien säilymisestä itukykyisinä maassa. (Untersuchungen über das fortbestehen der keimfähigkeit von unkraut-samen im ackerboden). Maataloustiet. Aikak.

[Agric. Mag.] 6:1-22. 1934. no.1.

German summary: p.20-22.

The first part of the document discusses the general principles of the proposed system. It is intended to be a practical guide for the management of the various departments of the government. The system is designed to be simple and efficient, and to be adapted to the needs of the country.

The second part of the document describes the organization of the government. It is divided into three main branches: the executive, the legislative, and the judicial. Each branch is further divided into various departments and offices. The executive branch is headed by the President, and the legislative branch is headed by the Congress. The judicial branch is headed by the Supreme Court.

The third part of the document discusses the powers and duties of the various branches and departments. It is intended to provide a clear and concise statement of the powers and duties of each branch and department. The powers and duties are defined in a way that is consistent with the principles of the proposed system.

The fourth part of the document discusses the methods of selecting the various officers and officials of the government. It is intended to provide a clear and concise statement of the methods of selection for each office. The methods are designed to be fair and equitable, and to be adapted to the needs of the country.

The fifth part of the document discusses the methods of financing the government. It is intended to provide a clear and concise statement of the methods of financing for each department and office. The methods are designed to be efficient and economical, and to be adapted to the needs of the country.

The sixth part of the document discusses the methods of enforcing the laws of the government. It is intended to provide a clear and concise statement of the methods of enforcement for each branch and department. The methods are designed to be effective and efficient, and to be adapted to the needs of the country.

The seventh part of the document discusses the methods of improving the government. It is intended to provide a clear and concise statement of the methods of improvement for each branch and department. The methods are designed to be practical and effective, and to be adapted to the needs of the country.

Mém. Soc. Hist. Nat. Afr. Nord. (410.9S0125M)

Maire, R.

Études sur la flore et la végétation du Sahara central. I-II. Mém. Soc. Hist. Nat. Afr. Nord. no.3. 272 p. illus., 38 pl. (2 col.) 1933.

I. Catalogue raisonné des plantes du Sahara central. II. Vocabulaire botanique Tamachek.

Mitt. Landw. (Berlin) (18D48M)

Berkner, F. W.

Eisenfleckigkeit bei kartoffeln. Wesentliche sortenunterschiede, abhängigkeit der befallstärke von fahreswitterung und boden. Mitt. Landw. 49:378-380. My.5, 1934. no.18.

Bockman, H.

Fusskrankheiten, eine folge verstärkten weizenanbaues. Mitt. Landw. 49: 365-366. Ap.28,1934. no.17.

*Cercosporella herpotrichoides*.

Nicolaisen, W.

Neue aufgaben in der gerstenzüchtung. Steigerung der standfestigkeit, vermindern der auswuchsenneigung, steigerung des eiweissgehalts der futtergersten, züchtung auf glattgrannigkeit. Mitt. Landw. 49: 355-357, 376-377. illus. Ap.28,My.5, 1934. no.17,18.

Rademacher, B.

Krankheiten und schädlinge der runkelrübe, Mitt. Landw. 49: 342-343. Ap.21, 1934. no.16.

Wehfang, O.

Bekämpfung der wiesen- und weideunkräuter. Mitt. Landw. 49: 361-362. Ap.28, 1934. no.17.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Liebe, C.

Zur hormonfrage. Möller's Deut. Gärtn.-Zeit. 49: 124-125. illus. Ap.21,1934. no.11.

Nat. & Appl. Sci. Bull. Univ. Philipp. (475P532)

Quibilan, G. Q. & Santos, A. C.

Ambaline, a new alkaloid from *Pycnarrhena manillensis* Vidal. Nat. & Appl. Sci. Bull. Univ. Philipp. 3: 353-364. D.1933. no.4.

The first part of the report deals with the general situation of the country and the progress of the work done during the year. It is followed by a detailed account of the various projects and the results achieved. The report concludes with a summary of the work done and a list of the names of the staff members who have been engaged in the work.

The second part of the report deals with the financial statement of the organization. It shows the income and expenditure for the year and the balance sheet at the end of the year. It also shows the details of the various items of income and expenditure and the names of the persons who have contributed to the income.

The third part of the report deals with the accounts of the various projects and the results achieved. It shows the progress of the work done and the results achieved in each project. It also shows the names of the persons who have been engaged in the work and the names of the persons who have contributed to the income.

The fourth part of the report deals with the accounts of the various projects and the results achieved. It shows the progress of the work done and the results achieved in each project. It also shows the names of the persons who have been engaged in the work and the names of the persons who have contributed to the income.

The fifth part of the report deals with the accounts of the various projects and the results achieved. It shows the progress of the work done and the results achieved in each project. It also shows the names of the persons who have been engaged in the work and the names of the persons who have contributed to the income.

The sixth part of the report deals with the accounts of the various projects and the results achieved. It shows the progress of the work done and the results achieved in each project. It also shows the names of the persons who have been engaged in the work and the names of the persons who have contributed to the income.

The seventh part of the report deals with the accounts of the various projects and the results achieved. It shows the progress of the work done and the results achieved in each project. It also shows the names of the persons who have been engaged in the work and the names of the persons who have contributed to the income.

Nature (London) (472N21)

Moss, E. H.

Rings of cork in the wood of herbaceous perennials. Nature 133: 689. My.5, 1934. no.3366.

Newman, I. V.

Polyspermy and the endosperm. Nature 133: 650-651. illus. Ap.28, 1934. no.3365.  
In *Acacia baileyana*.

Russell-Wells, B.

Chemistry of the red and brown algae. Nature 133: 651. Ap.28, 1934. no.3365.  
Presence of cellulose established.

Weiss, F. E.

Prof. S. H. Vines, F.R.S. Nature 133: 675-677. My.5, 1934. no.3366.

Naturwissensch. (Berlin) (474N213)

Gruber, F.

Selbststerilität und selbstfertilität bei *Antirrhinum*. Naturwissensch. 22: 268-270. Ap.27, 1934. no.17/18.

Hartmann, M.

Erwin Baur. Naturwissensch. 22: 258-260. Ap.27, 1934. no.17/18.

This number of Naturwissenschaften (v.22, no. 17/18) is "Dem andenken an Erwin Baur."

Husfeld, B. & Scherz, W.

Rebenzüchtung. Naturwissensch. 22: 285-288. Ap.27, 1934. no.17/18.

Kuckkuck, H.

Baurs versuche über artkreuzungen in der gattung *Antirrhinum*. Naturwissensch. 22: 266-268. Ap.27, 1934. no.17/18.

Kuckkuck, H.

Züchterische und genetische versuche mit gerste. Naturwissensch. 22: 276-287. Ap.27, 1934. no.17/18.

Ossent, H. P.

Roggenzüchtung. Naturwissensch. 22: 271-274. Ap.27, 1934. no.17/18.

Rosenstiel, K. v.

Weizenzüchtung. Naturwissensch. 22: 274-276. Ap.27, 1934. no.17/18.



V.16,no.10,p.19.

Naturwissensch. (cont.)

Schick, R.

Funfundzwanzig jährige koppelungsuntersuchungen bei *Antirrhinum majus*. Naturwissensch. 22: 264-266. Ap.27,1934. no.17/18.

Sengbusch, R.v.

Die geschichte der güsslupinen. Naturwissensch. 22: 278-281. Ap.27,1934. no.17/18.

Stubbe, H.

Entwicklung und stand der mutationsforschung in der gattung *Antirrhinum*. Naturwissensch. 22: 260-264. Ap.27,1934. no.17/18.

Ufer, M.

Futterpflanzenzuchtung. Naturwissensch. 22: 281-283. Ap.27,1934. no.17/18.

Ufer, M.

Genetische untersuchungen an *Pelargonium* und *Cleome*. Naturwissensch. 22: 271. Ap.27,1934. no.17/18.

New Zeal. Jour. Sci. & Techn. (Wellington) (514N48)

Calder, R. A. & Doak, B. W.

Rape (*Brassica napus*.) The types offered in New Zealand: Their behaviour and chemical compositions. New Zeal. Journ. Sci. & Techn. 15: 332-344. illus. Mr.1934. no.5.

Notes R.Bot. Gard.Edinb. (89Ed4)

Biswas, K.

A comparative study of Indian species of *Avicannia*. Notes. R. Bot. Gard. Edinb. 18: 159-166. pl.ccxliiii-ccxlvi. Ap.1934. no.89.

Cowan, J. M.

Generis *wendlandiae* additamenta. (cont.)

Notes R. Bot. Gard. Edinb. 18: 183-188. Ap.1934. no. 89.

*W. syringoides* n. sp.

Edinburgh, Royal botanic garden.

Diagnoses specierum novarum in herbario Horti regii botanici Edinburgensis cognitarum DLXX-DC, DCI-DCXIII. Species asiaticae (cont.) Notes. R. Bot. Gard. Edinb. 18: 189-217, 221-249. illus. Ap.1934. no.89.



Notes R. Bot. Gard. Edinb. (cont.)

Evans, W. E.

George Don's Herbarium britannicum. Notes  
R. Bot. Gard. Edinb. 18: 167-172. Ap.1934.  
no.89.

Nelson, A. & Munro, J. M.

The germination of *Spartina townsendii*.  
Notes R. Bot. Gard. Edinb. 18:173-180. Ap.1934.  
no.89.

Tagg, H. F.

Three *Rhododendron* species. Notes R. Bot.  
Gard. Edinb. 18: 218-220. Ap.1934. no.89.  
*R. auritum*, *R. recurvoides*, *R. venator* n.spp.

Nuovo Giorn. Bot. Ital. (Firenze) (45ON92)

Bolzon, P.

Contributo alla flora dell'Alto adige.IX.  
Nuovo Giorn. Bot. Ital. 40: 553-559. 1933(Mr.10,  
1934.) no.4.

Chiarugi, E. M.

Formazione di pistilli accessori in *Actaea*  
*spicata* L. Nuovo Giorn. Bot. Ital. 40: 531-535.  
pl.xv. 1933 (Mr.10,1934.) no.4.

Chiarugi, E. M.

Sulla ecologia della *Saxifrage cernua* L. al  
limite meridionale dell' area geografica. Nuovo  
Giorn. Bot. Ital. 40: 572-575. pl.xvii. 1933.  
(Mr.10,1934) no.4.

Chiarugi, A.

Tronchi silicizzati di un' alga arborea  
silurico-devoniana: *Nematophyton saharianum* n.sp.,  
nel Deserto Libico presso le oasi di Cufra.  
Nuovo Giorn. Bot. Ital. 40: 590-595. 1933 (Mr.10,  
1934) no.4.

Chiosi, R.

Cenni su alcune escursioni botaniche nella  
Valle del Marecchia. Nuovo Giorn. Bot. Ital.  
40: 536-538. 1933. (Mr.10,1934) no.4.

Chiosi, R.

Nuovo avanzi di abete bianco in Italia.  
Nuovo Giorn. Bot. Ital. 40: 551-552. 1933(Mr.10,  
1934) no.4.



Nuovo Giorn. Bot. Ital. (cont.)

Chiosi, R.

Il *Paspalum distichum* L. var. *paspalodes* Thell.  
lungo l'alveo dell' Arno e dei suoi affluenti.  
Nuovo Giorn. Bot. Ital. 40: 570-571. 1933(Mr.10,  
1934) no.4.

Mattirolo, O.

Nuovo documento che illustra l'opera di  
Giuseppe Bartolomeo Cassia (1732). Nuovo Giorn.  
Bot. Ital. 40: 548-550. 1933(Mr.10,1934) no.4.

Milan, A.

Delle infezioni per *Ustilago tritici* (Pers.)  
Jens e di una facile procedura per ottenerle  
artificialmente. Nuovo Giorn. Bot. Ital. 40:  
539-547. pl.xvi. 1933(Mr.10,1934) no.4.

Montelucci, G.

Contributo alla flora del valdarno superiore  
piante raccolte nei dintorni di rignano sull' Arno.  
Nuovo Giorn. Bot. Ital. 49: 479-530. illus.(map)  
1933(Mr.10,1934) no.4.

Pardi, P.

Contributo all'embriologia delle *Asclepiadaceae*.  
Nuovo Giorn. Bot. Ital. 40: 560-569. illus. 1933  
(Mr.10,1934) no.4.

Pardi, P.

Studi sulla cariologia delle *Asclepiadaceae*.  
Nuovo Giorn. Bot. Ital. 40: 576-589. illus.  
1933(Mr.10,1934) no.4.

Rivera, V.

Influenza a distanza dei metalli sopra lo  
sviluppo di organismi vegetali inferiori. Nuovo  
Giorn. Bot. Ital. 40: 475-478. illus. 1933(Mr.10,  
1934) no.4.

Effect of lead, iron and zinc on *Penicillium*  
*crustaceum*.

Obst- u. Gemuseb. (Berlin) 80P7750)

Jordan, E.

Zur gemüsesamenbeizung. Obst- u. Gemüseb.  
80; 54-55. Ap.15,1934. no.4.

Ochrana Rostlin. (Prague) (464.80c3)

Baudys, E.

Fytopathologické poznámky VIII (za rok 1932).  
(Phytopathologické poznámky VIII. (das J. 1932  
betreffend). Ochrana Rostlin 13: 90-102.  
illus. 0.1933. no.3/4.



Ochrana Rostlin (cont.)

Baudys, E.

Za inženýrem Josefem Ríhou. Ochrana Rostlin 13: 73-79. port. O.1933. no.3/4.

Blatný, C.

Jde u mosaiky révy vinné o jediný virus? (Wird das mosaik der weinrebe durch einzigen virus bemirkt?) Ochrana Rostlin 13: 104-115. illus. O.1933. no.3/4.

German summary: p.114-115.

Neuwirth, F.

Houba Phoma betae Frank a její význam pri chorobách vzchazející Yepy. Ochrana Rostlin 13: 115-135. illus. O.1933. no.3/4.

Ríha, J.

Některé nové poznatky v potírání strupovitosti a mekrosy dužiny u bramboru. Ochrana Rostlin 13: 80-83. O.1933. no.3/4.

Vielwerth, V.

Mosaika Americké révy vinné. (Ueber das mosaik der Amerikanischen weinreben). Ochrana Rostlin. 13: 83-90. O.1933. no.3/4.

German summary: p 89-90.

Onze Ploeg Landb. Maandschr. (Leuven) 130n9)

Wonterghem, J. v.

De wintervastheid der tarwe. Onze Pleog. Landb. Maandschr. 13: 109-113. illus. Ap.1934. no.4.

Conclusies uit een onderzoek in 1929 en 1934 op het Veredelingsstation van den Boerenbond, te Heverlee.

Pharm. Weekbl. (Amsterdam) (396.8P4922)

Parijs, J. P.

Bijdrage tot de kennis van de oost-indische damarhars. Pharm. Weekbl. 71: 354-367, 410-419. illus. Ap.7,21, 1934. no.14,16.

Philipp. Journ. Agr. (25P543)

Royes, G. M.

The black smut, or bunt, of rice (*Oryza sativa* Linnaeus) in the Philippines. Philipp. Journ. Agr. 4: 241-270. vii.pl. 1933. no.4.



Philipp. Journ. Sci. (Manila) (475P53)

Fajardo, T. G.

Plant-disease problems confronting truck farmers in Trinidad Valley and the vicinity of Baguio, Mountain Province, Philippine Islands. Philipp. Journ. Sci. 53: 67-95. 25 pl. Ja. 1934. no.1.

Proc. Conn. Pomol. Soc. (810765)

Burrell, A. B.

Baldwin spot, phoma fruit spot, cork, and drought spot of apples. Proc. Conn. Pomol. Soc. 43(1933): 45-58. 1934.

Stoddard, E. M.

Brown rot infection of peaches in 1933 and report of the Committee on fruit diseases. Proc. Conn. Pomol. Soc. 43(1933): 41-44. 1934.

Stoddard, E. M.

Progress report of investigations on a new peach trouble. Proc. Conn. Pomol. Soc. 43(1933): 115-117. 1934.

Proc. Crop Sci. Soc. Japan. (22.5088)

Matsudam, H.

Behaviors of chromosomes in triploid Petunia. Proc. Crop. Sci. Soc. Japan. 6: 53-62. illus. Mr. 1934. no.1. Japanese.

Miura, S.

Effect of the air in the culture media upon the growth of roots in rice plant. Proc. Crop Sci. Soc. Japan. 6: 44-52. illus. Mr.1934. no.1. Japanese.

Onodera, J.

On the experiments of germination and absorption-power of water in the seeds as methods for estimation of drought-resistance among the varieties of rice plants. Proc. Crop Sci. Soc. Japan. 6: 20-43. Mr. 1934. no.1.

Japanese with English résumé: p.41-43.

Takahashi, N. & Hoshino, T.

Natural crossing in *Setaria italica* (Deauv.) Proc. Crop. Sci. Soc. Japan 6: 3-19. Mr.1934. no.1.



V.16, no.10, p.24.

Proc. Imp. Acad. Tokyo (513<sup>T</sup>576)

Watanabe, K.

Entstehung des floralpolsters von *Mitrastemon yamamotoi*. Proc. Imp. Acad. Tokyo 10: 177-179. illus. Mr.1934. no.3.

Publ. Inst. Belge Amél. Betterave (66.9In7)

Decoux, L., Van der Waeren, J. & Roland, G.

La végétation de la betterave en Belgique au cours de l'année 1932. Publ. Inst. Belge Amél. Betterave 6: 267-283. N.1933.

Les maladies; p.277-280.

Quart. Journ. Pharm. & Pharmacol. (London) (396.8Q2)

Dewar, T.

The histology of the leaves of *Digitalis lutea*. Quart. Journ. Pharm. & Pharmacol. 7: 1-22. illus. Ja./Mr. 1934. no.1.

Stephen, F.

The isolation of the active principles of *Urginea burkei* Bkr. Quart. Journ. Pharm. & Pharmacol. 7: 57-62. Ja./Mr. 1934. no.1.

Rec. Trav. Bot. Néerl. (Amsterdam) (451N28R)

Danser, B. H.

*Thaumasianthes*, eine neue loranthaceengattung aus den Philippinen. Rec. Trav. Bot. Néerl. 30:464-481. illus. Jl.1933. no.2/4.

DuBuy, H. G.

Ueber wachstum und phototropismus von *Avena sativa*. Rec. Trav. Bot. Néerl. 30: 798-925. illus. Jl.1933. no.2/4.

Haan, I. de

Protoplasmaquellung und wasserpermeabilität. Rec. Trav. Bot. Néerl. 30: 234-335. illus. Jl. 1933. no.2/4.

Mekel, J. C.

Die entwicklung des stammes von *Matteuccia struthiopteris*, insbesondere die der höhlungen. Rec. Trav. Bot. Néerl. 30: 627-724. illus., pl. iii-vii. Jl.1933. no.2/4.

Ooststroom, S. J. van

Neue und kritische *Convolvulaceae* aus Peru. Rec. Trav. Bot. Néerl. 30: 192-211. illus. Jl. 1933. no.2/4.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author outlines the various methods used to collect and analyze the data. This includes both primary and secondary data collection techniques. The primary data was gathered through direct observation and interviews, while secondary data was obtained from existing reports and databases.

The third section details the statistical analysis performed on the collected data. This involves the use of descriptive statistics to summarize the data and inferential statistics to test hypotheses. The results of these analyses are presented in a clear and concise manner, highlighting the key findings of the study.

Finally, the document concludes with a discussion of the implications of the findings. It suggests that the results have significant implications for the field of study and provides recommendations for further research. The author also acknowledges the limitations of the study and offers suggestions for how these can be addressed in future work.

Rec. Trav. Bot. Néerl. (cont.)

Overbeek, J. van

Wuchsstoff, lichtwachstumsreaktion und phototropismus bei Raphanus. Rec. Trav. Bot. Néerl. 30: 537-626. illus. Jl.1933. no.2/4.

Pulle, A. ed.

Notitates taxonomicae. I. ex Herbario academiae Rheno-Traiectinae. Rec. Trav. Bot. Néerl. 30: 163-184. illus. Jl.1933. no.2/4.

Plants described by various authors. In I are mainly from Surinam (Dutch Guiana)

Ruinen, J.

Life cycle and environment of *Lochmiopsis sibirica* Woron. Rec. Trav. Bot. Néerl. 30: 725-797. illus., pl. viii. Jl. 1933. no.2/4.

Slyper, E. J.

Bestimmungstabelle für rezente und fossile coniferenholz nach mikroskopischen merkmalen. Nach angaben in der literatur zusammengestellt. Rec. Trav. Bot. Néerl. 30: 482-513. illus. Jl. 1933. no.2/4.

Tammes, P. M. L.

Observations on the bleeding of palm trees. Rec. Trav. Bot. Néerl. 30: 514-536. illus., pl.i-ii. Jl. 1933. no.2/4.

Uittien, H.

Cyperaceae surinamenses novae vel criticae. Rec. Trav. Bot. Néerl. 30: 135-191. illus. Jl.1933. no.2/4.

Weevers, T.

Die pflanzenalkaloide phytochemisch und physiologisch betrachtet. Rec. Trav. Bot. Néerl. 30: 336-463. Jl. 1933. no.2/4.

Repert. Spec. Nov. Fedde (Berlin) (450R29)

Anselmino, E.

Geschichtliche übersicht der stellung der olacaceen beiden verschiedenen systematikern. Repert. Spec. Nov. Fedde 33: 285-297. Mr.31, 1934. no.18/25.



Repert. Spec. Nov. Fedde (cont.)

Diapulis, C.

Die flora von Andros. Repert. Spec. Nov.  
Fedde 33(Repert. Europ. & Med. 3,53/57): 340-  
341. Mr.31, 1934. no.18/25.

Diapulis, C.

Zur kenntnis der gattung Rhamnus. Repert.  
Spec. Nov. Fedde 33(Repert. Europ. & Med. 3,53/57):  
338-340. Mr.31,1934. no.18/25.

R. macedonica n.sp.

Fedde, F.

Ergänzungen zu der sammlerliste der Papavera-  
ceae, teil I in Englers Pflanzenreich IV, 134  
(1909). Repert. Spec. Nov. Fedde 33: 297-302.  
Mr.31, 1934. no.18/25.

Gyelnik, V.

Lichenes argentinenses a professore C.C.  
Hosseus collecti. Repert. Spec. Nov. Fedde  
33: 302-309. Mr.31, 1934. no.18/25.

Hruby, J.

Beiträge zur systematik der gattung Rubus L.  
Repert. Spec. Nov. Fedde 33(Repert.Europ. & Med.  
3,53/57): 379-383. Mr.31,1934. no.18/25.

Huber, J. A.

Ein neues Sempervivum aus Spanien. Repert.  
Spec. Nov. Fedde 33(Repert. Europ. & Med., 3,  
53/57): 363-366. pl. cxl. Mr.31, 1934. no.18/25.  
Sempervivum cantabricum.

Klemm, M.

Verzeichnis der in der Burjato-Mongolei  
gesammelten pflanzen. Repert. Spec. Nov. Fedde  
33: 309-314. Mr.31, 1934. no.18/25.

Krause, K.

Beiträge zur flora Kleinasiens. VI. Die in der  
Türkei vorkommenden bäume und sträucher. (cont.)  
Quercus L. bearb. von O. Schwarz. Repert. Spec.  
Nov. Fedde 33(Repert. Europ. & Med., 3,53/57): 321-  
338. Mr.31, 1934. no.18/25.



Repert. Spec. Nov. Fedde (cont.)

Rechinger, K. H., jr.

Beiträge zur kenntnis von Rumex sekt. Lapathum.

IV. Repert. Spec. Nov. Fedde 33(Repert. Europ. & Med. 3, 53/57): 353-363. Mr.31, 1934. no.18/25.

Rothmaler, W.

Systematische vorarbeiten zu einer monographie der gattung Alchemilla. L. I- Repert. Spec. Nov. Fedde 33(Repert. Europ. & Med. 3, 53/57): 342-350. Mr.31, 1934. no.18/25.

Schack, H.

Hieracia nova Europae mediae. Repert. Spec. Nov. Fedde 33(Repert. Europ. & Med. 3, 53/57): 366-378. Mr.31, 1934. no.18/25.

Schulz, O. E.

Beiträge zur kenntnis der gattung Nasturtium R.Br. II. Repert. Spec. Nov. Fedde 34: 131-136. N.25, 1933. no.1/9.

Singer, R.

Russula variata Bann. und Russula lactea Fr. Repert. Spec. Nov. Fedde 33(Repert. Europ. & Med. 3, 53/57): 350-352. Mr.31, 1934. no.18/25.

Trelease, S. F.

Quercus generis species novae mexicanae. Repert. Spec. Nov. Fedde 33: 314-319. Mr.31, 1934. no.18/25.

Rep. Waite Agr.Inst. Univ. Adelaide (109Ad32R)

Samuel, G.

Plant pathology. Rep. Waite Agr.Inst. Univ. Adelaide 1925/32): 67-74. 1934.

Rev. Hort. (Paris) (80R32)

Arnaud, G.

Traitements de printemps des arbres fruitiers. Rev. Hort. 106: 82-84. illus. Ap.16, 1934. no.4.

Jahandiez, E.

Les plantes grasses autres que les cactées. Les asclépiadacées (cont.) Rev. Hort. 106: 86-90. illus. Ap.16, 1934. no.4.



Rhodora (Boston) (45OR34)

Fernald, M. L.

Four forms of Massachusetts plants. Rhodora  
36: 194-195. My.1934. no.425.

Xyris caroliniana forma phyllolepis, Salix  
tristis forma curtifolia, S. tristis forma festiva,  
Apios americana forma cleistogama n.form.

Kelso, E. H.

Notes on Rocky Mountain plants. (cont.)  
Rhodora 36: 195-196. My. 1934. no.425.

Salix pseudolapponum var. subincurva, S.  
brachycarpa var. alticola, S. lutea var. desolata,  
var.nov.

Lynge, B.

Some general results of recent Norwegian  
research work on Arctic lichens. Rhodora 36:  
131-171. illus. (maps), pl.284-285. My.1934. no.425.

Malte, M. O.

Critical notes on plants on Arctic America.  
Rhodora 36: 172-193. My. 1934. no.425.

Muenschler, W.C.

The occurrence of *Littorella americana* in New  
York. Rhodora 36: 194. My.1934. no.425.

Schweiz. Zeitschr. Forstw. (Bern) (99.8Sch9)

Becherer, A.

Der wissenschaftliche name der fichte und der  
weisstanne. Schweiz. Zeitschr. Forstw. 85: 5-8.  
Ja. 1934. no.1.

Schröter, C.

Uebersicht über die modifikationen der fichte.  
Schweiz. Zeitschr. Forstw. 85: 33-46. illus.  
F. 1934. no.2.

Schröter, C.

Uebersicht über die mutationen der fichte  
nach wuchs und rinde. Schweiz. Zeitschr. Forstw.  
85: 46-60. illus. F. 1934. no.2.

REPUBLIC OF THE UNITED STATES

OF AMERICA

FROM 1776 TO 1863

BY

W. H. RICHMOND

NEW YORK

1863

Published by

Science (470Sci2)

Foster, A. S.

Foliar determination in angiosperms. Science  
79: 429-430. My.11, 1934. no.2054.

Moldavan, A.

Isotopic CO<sub>2</sub> and O<sub>2</sub> in plants? Science 79:  
455. My.18, 1934. no.2055.

So. African Gard. (Johannesburg) (80So87)

Plants new or noteworthy. South African plants  
cultivated in the National botanic gardens, Kirst-  
enbosch, and in our readers' gardens. So. African  
Gard. 24: 100-101, 106. illus. Ap.1934. no.4.

Gladiolus geardii var. uitenhagensis n.var.,  
Stapelia beukamanii, Pectinaria tulipiflora n.spp.

Sovetsk. Subtrop. (Suchum) (20Sul)

Gutiev, G. T.

Avokado. Sovetsk. Subtrop. 1934: 25-42.  
illus. no.1/2.

Russian with English summary.

Petiãev, S. I.

Tung - vazhmeishaiã industrial'naiã kul'tura  
vlazhnykh subtropikov (Tung oil tree, the leading  
industrial culture of U.S.S.R.) Sovetsk. Sub-  
trop. 1934: 138-184. illus. no.1/2.

Russian with English summary.

There appear to be two summaries, one with title  
as given above, on leaf tipped in; the other on p.  
184 has title: Conditions of the efficient pollina-  
tion of tung-oil tree.

Ustinov, A. A.

Bor'ba s kornevoi nematodoi pri pomoshchi sevo-  
borotov (The control of root nematodes through crop  
rotation) Sovetsk. Subtrop. 1934: 227-232.  
no.1/2.

Russian.

Vorontsov, V.

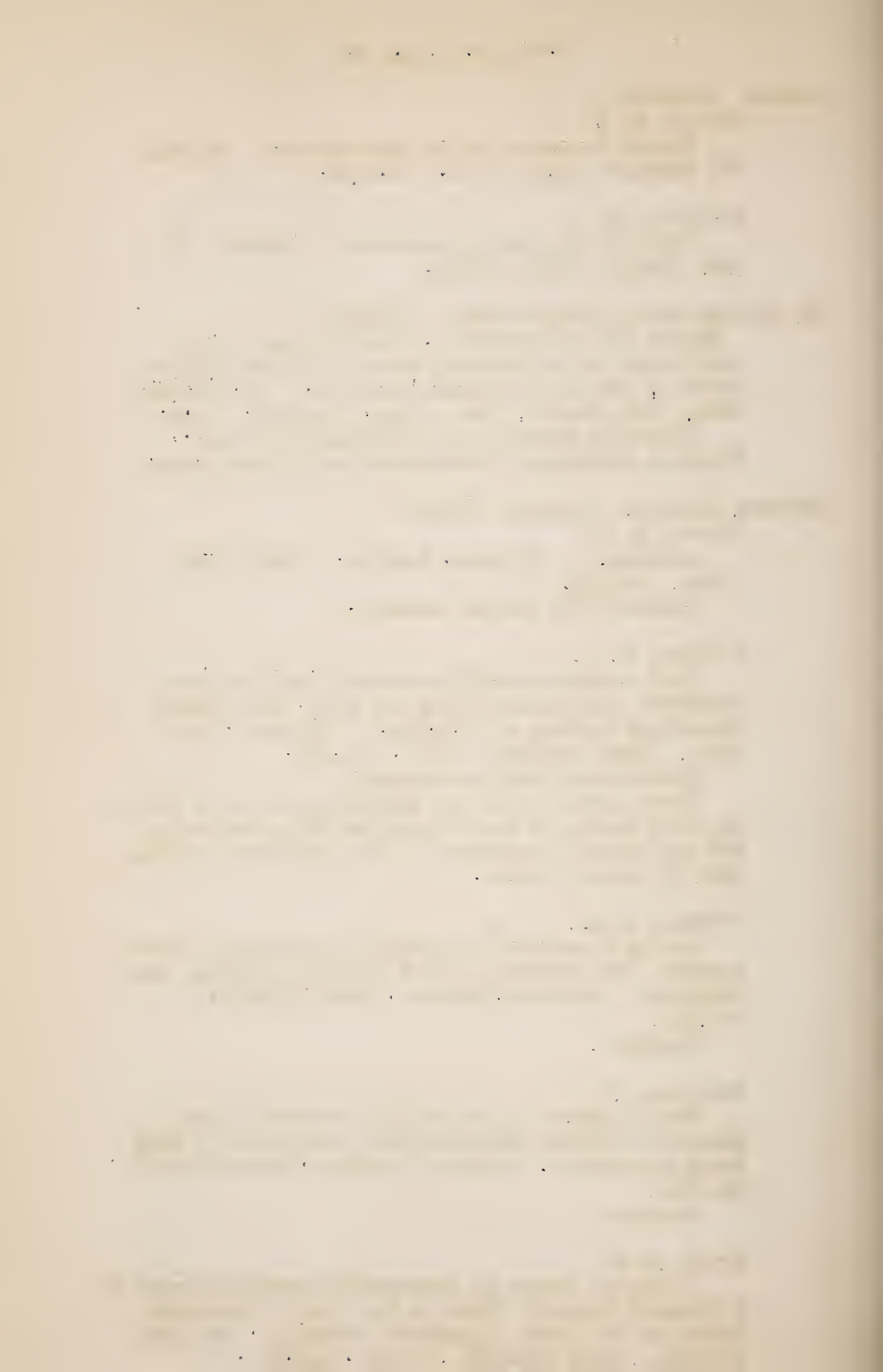
Fiziologichesk ie usloviã sozrevaniã semian  
Aleurites cordata (Physiological conditions of tung  
seeds maturing). Sovetsk. Subtrop. 1934: 185-190.  
no.1/2.

Russian.

Zorin, F. M.

Nekotorye dannye po izucheniiu mandarina Unshiu na  
Sochinskoï stantsii (Data on the study of mandarin  
Unshiu at the Sochi experiment station). Sovetsk.  
Subtrop. 1934: 126-137. illus. no.1/2.

Russian.



Succulenta (Leeuwarden) (450Sul)

Houten, J. M. v.d.

Erfelijkheid en bastaardeering. 4.

Succulenta 16: 79-83. illus. My.1934. no.5.

Sver. Utsädesför. Tidskr. (Svalof) (61.9Sv23)

Sylvén, N.

Om "skalade frön" hos timotejen. (Hulless seeds of timothy) Sver. Utsädesför. Tidskr. 44: 13-58. illus. 1934. no.1.

Tijdschr. Plantenz. (464.8T44)

Schreven, D.A. van

Uitwendige en inwendige symptomen van borium- gebrek bijtabak. (External and internal symptoms of boron deficiency in tobacco). I. Tijdschr. Plantenz. 40: 97-112. Ap./My. 1934. no.4/5.

Trop. Agr. (26T751)

Pieris, W. I.

Notes on cross-pollination of rubber (*Hevea brasiliensis*) in Ceylon. Trop. Agr. 82: 147-151. pl. Mr.1934. no.3.

Trudy Prikl. Bot., Gen.i Selek. Ser. II. (Bul. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Breed. & Cytol.) (451R92Ge)

Barulina, E. I.

Sravnitel'no-geneticheskoe izuchenie vidov *Triticum* (Comparative genetic study of the species of *Triticum*). I. Trudy Prikl. Bot., Gen.i Selek. Ser. II (Bul. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen. Pl. Breed. & Cytol.) 5: 127-165. 1933.

Russian with English summary.

I. Inheritance of the ligule in wheat species with different chromosome numbers: *Tr. vulgare* Vill., *Tr. compactum* Host., *Tr. durum*, Desf.

Ezig, S. A.

Opytny mezhduvidovoi gibrizatsii v rode *Nicotiana* III. (Experiments on interspecific hybridization in the genus *Nicotiana* III). Trudy Prikl. Bot., Gen. i Selek. Ser. II (Bull. Appl.Bot., Gen. & Plant-breed. II.Ser. Gen. Pl. Breed.&Cytol.) 5: 77-125. illus., col.pl. 1933.

Russian with English summary.



Trudy Prikl. Bot., Gen. i Selek. Ser. II. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Breed. & Cytol. (cont.) Kostov, D.

Cytogenetic studies of the triple fertile hybrid *Nicotiana tabacum* x (*N. sylvestris* x *N. rusbyi*) - *N. triplex*. Trudy Prikl. Bot., Gen. i Selek. Ser. II. (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Breed. & Cytol.) 5: 167-204. illus. 1933.

Sapegin, A. A.

Lev Andreevich Sapegin (L.A. Sapehin) Trudy Prikl. Bot., Gen. i Selek. Ser. II (Bull. Appl. Bot. Gen. & Plant-breed. II. Ser., Gen. Pl. Breed. & Cytol.) 5: 3-4. port. 1933.

Russian with English summary (Sapegin died Sept. 21, 1931)

Sapegin, L. A.

Geny reduktsionnogo deleniia (The genes of the reduction division) Trudy Prikl. Bot., Gen. i Selek. Ser. II (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen., Pl. Breed. & Cytol.) 5: 5-75. 1933.

Russian with English summary.

Yakoleva, S. V.

Kariologicheskie issledovaniia nekotorykh vidov *Salvia* (Karyological investigation of some *Salvia* species) Trudy Prikl. Bot., Gen. i Selek. Ser. II (Bull. Appl. Bot., Gen. & Plant-breed. II. Ser., Gen. Pl. Breed. & Cytol.) 5: 207-213. 1933.

Russian with brief English summary.

U.S. Dept. Agr. Misc. Publ. (1Ag84M)

Warner, M. F., Sherman, M. A. & Colvin, E. M.

A bibliography of plant genetics. U. S.

Dept. Agr. Misc. Publ. 164. 552 p. Ap. 1934.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Winter injury to fruit crops. U. S. Dept. Agr. Plant Dis. Rep. 18: 34-38. My. 1, 1934. no. 4.

Valt. Maatalouskoet. Tiedon.

Pesola, V. A.

Sampo-vehnä. Sampo-wheat, a new Finnish winter wheat variety. Valt. Maatalouskoet. Tiedon. 73.

6 p. illus. 1934.

English summary.



Vict. Nat. (Melbourne) (410V66)

Willis, J. H.

The Agaricaceae or "gilled fungi". Some species common in Victoria. Vict. Nat. 50: 264-298. illus., pl. xlii-xlv. (2 col.) Ap.1934. no.12.

Willis, J. H.

"Beef-steak", "punk", and "blackfellows' bread". Vict. Nat. 50:298-301. illus., pl. xlvi-xlvii. Ap. 1934. no.12.

Fistulina hepatica, Fomes robustus, Polyporus eucalyptorum, P. mylittae.

Willis, J. H.

"Vegetable caterpillars". Vict. Nat. 50: 302-304. illus. Ap.1934. no.12.

Cordyceps.

Zeitschr. Indukt. Abstamm. u. Vererbungs1. (Leipzig) (442.8Z34)

Beisser, E.

Zytologisch-genetische untersuchungen an dem bastarden *Nicotiana tabacum* x *N. rusbyi* und ihren rückkreuzungen zu *N. rusbyi* und *N. silvestris*. I. Die nachkommen aus reduzierten eizellen. Zeitschr. Indukt. Abstamm. u. Vererbungs1. 67:115-151. illus. 1934. no.1.

Darlington, C. D.

The origin and behaviour of chiasmata. VII. *Zea mays*. Zeitschr. Indukt. Abstamm. u. Vererbungs1. 67: 96-114. illus. 1934. no.1.

Manton, I.

The problem of *Biscutella laevigata* L. Zeitschr. Indukt. Abstamm. u. Vererbungs1. 67: 41-57. illus. (incl. map) 1934. no.1.

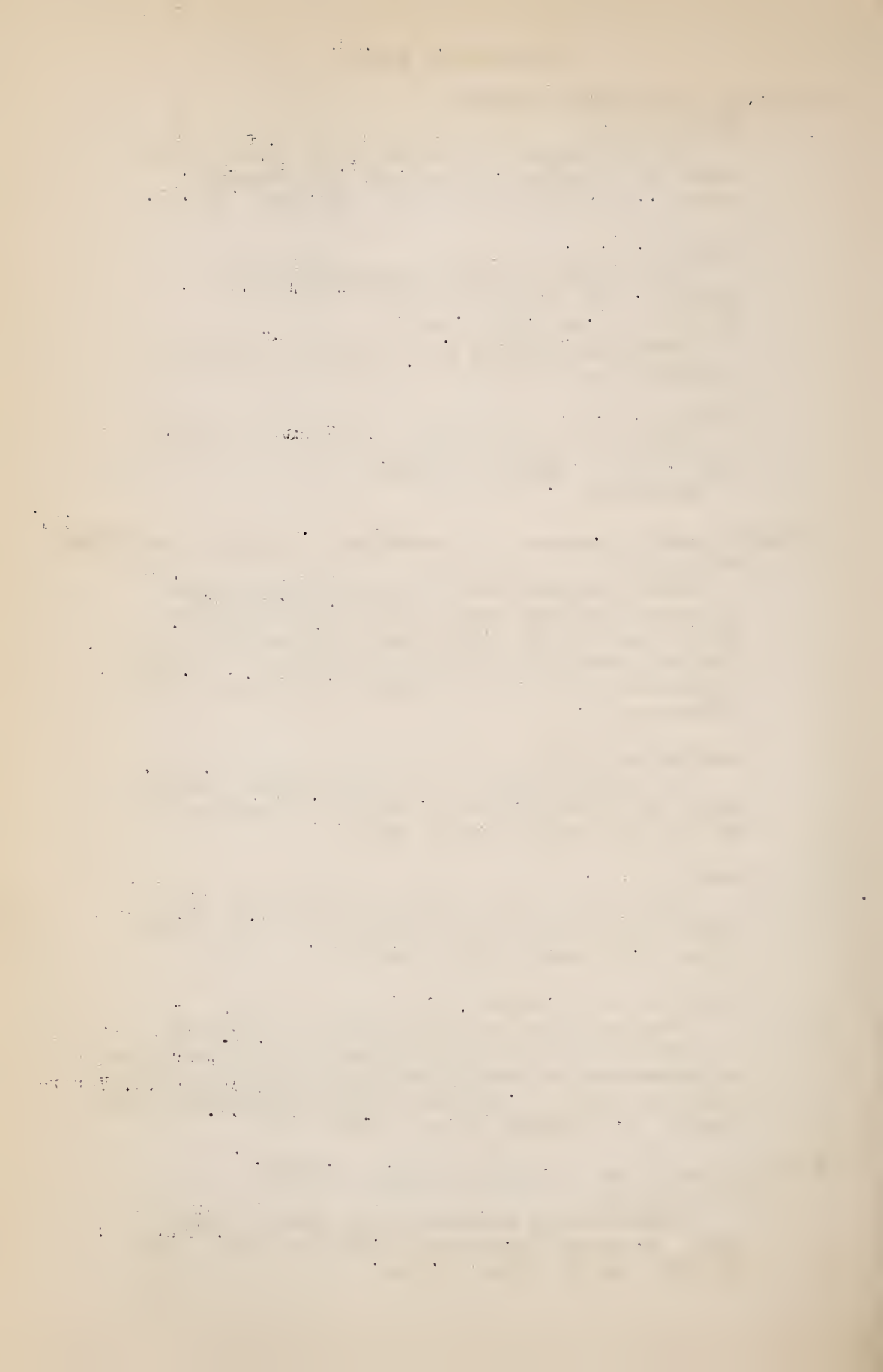
Noethling, W. & Stubbe, H.

Untersuchungen über experimentelle auslösung von mutationen bei *Antirrhinum majus*. V. Die auslösung von genmutationen nach bestrahlung reifer männlicher gonien mit licht. Zeitschr. Indukt. Abstamm.u. Vererbungs1. 67: 152-172. illus. 1934. no.1.

Zeitschr. Zuckerind. Cechoslovak. Rep. (66.8Z3)

Neuwirth, F.

Schädlinge und krankheiten der rübe im jahre 1933. Zeitschr. Zuckerind. Cechoslovak. Rep. 58: 273-276. Ap.20, 1934. no.34.



Zentralbl. Bakt. Abt.II. (Jena) (448.3033)

Reinking, O. A.

Parasitic and other Fusaria counted in Costa Rica and Panama soils. Zentralbl. Bakt. Abt.II 90: 4-17. Ap.27, 1934. no.1/4.

Stapp, C. & Bortels, H.

Mikrobiologische untersuchungen über die zersetzung von waldstreu. I- Zentralbl. Bakt. Abt.II, 90: 28-66. illus., pl.i-ii. Ap.27, 1934. no.1/4.

Wollenweber, H. W. & Richter, H.

Melanogone, eine neue gattung der dematiaceen. Zentralbl. Bakt. Abt.II, 90: 74-76. illus. Ap.27, 1934. no.1/4.  
M. puccinioides.

Exp. Stat. Publ.

Anderson, P. J.

How to prevent "green mold" or "moss" in the seed beds. Connecticut Agr. Exp. Stat. Bull. 359: 354. F.1934 (100C76St)

Use of formaldehyde dust to control the so-called green mold (a green alga) in tobacco seed beds.

Anderson, P. J.

Pythium damping-off and rootrot in the seed bed. Connecticut Agr. Exp. Stat. Bull. 359: 356-354. illus. F.1934(100C76St)

Clinton, G. P.

Plant pest handbook for Connecticut. II. Diseases and injuries. Connecticut Agr. Exp. Stat. Bull. 358: 153-329. illus. F.1934 (100C76St)

Westcott, C.

Brand canker of rose, caused by Coniothyrium wernsdorffiae Laubert. Cornell Agr. Exp. Stat. Mem. 153. 39 p. illus., v. pl. F.1934 (100N48C)

Maine agricultural experiment station

Plant pathology. In its Summary report of progress 1933 (Bull. 369): 558-581. D.1933 (Rec'd My.1934) (100M28S)

D. Folsom in charge.

1870

...

...

...

...

...

...

...

...

...

...

...

Exp. Stat. Publ. (cont.)

Schultz, E. S., Bond, R. & Raleigh, W. P.

Isolated tuber-unit seed plots for the control of potato virus diseases and blackleg in northern Maine. Maine Agr. Exp. Stat. Bull. 370. 32 p. illus., 8 pl. Ja. 1934 (100M28S)

Bergman, H. F.

Cooperative cranberry investigations. Ann. Rep. Mass. Agr. Exp. Stat. 1932/33(Bull.305): 24-25. Mr. 1934(100M38H)

Osmun, A. V.

Dept. of botany. Ann. Rep. Mass. Agr. Exp. Stat. 1932/33(Bull. 305): 17-22. Mr.1934 (100M38H)

Stroman, G. M.

Cotton breeding investigations, 1928 to 1932. New Mexico Agr. Exp. Stat. Bull. 217. 39 p. illus. Ja.1934 (100N465)

Richards, B. L. & Evans, R. J.

Bacterial wilt of alfalfa. Utah Agr. Expt. Stat. Leaflet. 10. [4] p. illus. Mr. 1934 (100Utl)

New Books

Arni, H.

Beitrag zur kenntnis der pflanzenphosphatide. Weida i Thür, Druck von Thomas & Hubert, 1933. (463.2Ar6) Promotionsarb. Eidgenoss. Techn. Hochsch. Zürich nr. 734.

Bitancourt, A. A.

Manual de citricultura. II. parte. Doencas, pragas e tratamentos. São Paulo, Edição da "Chacaras e quintaes", 1933. (93.33N22) Doenças dos citrus; p.1-78.

Hustedt, F.

Die kieselalgen... 2. teil, lfg. 4. Leipzig. D.1933 (Dr. L. Rabenhorst's Kryptogamen-flora von Deutschland, Oesterreich und der Schweiz VII bd.) (461R11)

Konrad, P. & Maublanc, A.

Icones selectae fungorum. fasc.8. Paris, Lechevalier, 1934 (462K83)



New Books (cont.)

Lecomte, H.

Flore générale de l'Indo-Chine t.6, f.5.

Paris, Masson et cie., F. 1934.

Orchidacées (fin) par F. Gagnepain et A. Guillaumin; Apostasiacées, iridacées, amaryllidacées, taccacées, par Gagnepain; Hémodoracées, par L. Rodriguez; Dioscoréacées, par L. Prain et L. H. Burkill (460.13L49)

Mills, F. W.

An index to the genera and species of the Diatomaceae and their synonyms 1816-32. pt.10-11. London, Wheldon & Wesley, Mr.-Ap.1934 (461.44M621)

Das pflanzenreich heft 98h: Radlkofer, L. Sapindaceae VIII (schluss) p.1435-1539. F.27,1934. (452En3P)

Schmidt, A.

Atlas der diatomaceenkunde. h. 97/98 Vorläufige erlauterungen ... hrsg. von F. Hustedt. Leipzig, O.R. Reisland, F. 1934 (f0461.44Sch5A)

Correction

v.16, no.8, p.21.

Nature

vol. no. should be 133 in all cases.

Non-current indexing.

Acta Biol. Exp. (Varsovie) (442.8Ac8)

Wolánski, Al.

Studja nad reakcja Manojłowa i niektóremi innemi reakcjami kolorymetrycznymi na p/lec u ludzi, zwierząt i róslin (Studies on the Manoiloff reaction and some other colorimetric sex-reactions in man, animals and plants. Acta Biol. Exp. 6: 173-207. col.pl. 1931.

Arch. de Bot. Caen Mém. (450Ar25M)

Benoist, R.

Les bois de la Guyane française. Arch. de Bot. Caen Mém. v.5, no.1. 291 p. illus., 58 pl. 1931.



Non-current indexing (cont.)

Arvernia Biol. (Clermont-Ferrand) (442.9Ar8)

Dusseau, A.

Les blés d'Auvergne. Essai sur la culture du blé et particulièrement des poulards d'Auvergne dans le Puy-de-Dôme. Arvernia Biol. fasc.5. 320 p. viii pl. on 4 (incl.maps) My.1931.

At head of title: Contribution a l'étude écologique du blé.

Thèse - Clermont.

Ber. Ohara Inst. Landw. Forsch. (Kurashiki) (107.6Oh1)

Nisikado, Y., & Matsumoto, H.

Weitere, vergleichende untersuchungen über die durch Lisea fujikuroi Sawada und Gibberella moniliformis (Sh.) Wineland verursachten gramineenkrankheiten. Ber. Ohara Inst. Landw. Forsch. 5: 481-500. pl. xliii-xlv. 1933. no.3/4.

Godishn.Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia, V, Fac. Agron.) (21So6)

Atanasov, D. & others

Novi parazitni gubi za Bulgariia (Parasitic fungi new for Bulgaria) III. Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) 10: 341-366. 1932.

Bulgarian with English summary.

Bacillus (Erwinia) papaveri Christoff sp.n.

Kostov, D.

Ekspperimentalno dobivane na rasteniia s novi belezi (Experimentelle erzeugung der pflanzen mit neuen merkmalen) Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac.Agron.) 10: 64-81. 1932.

Bulgarian with German summary.

Staikov, T.

Prevrushtane na zakharite pri zrëneto na nekoi plodove (Die umwandlung der zuckerarten beim reifen einiger obstarten) Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) 10: 155-166. 1932.

Bulgarian with German summary.



Non-current indexing (cont.)

Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia, V. Fac. Agron.) (cont.)

Stefanov, B.

Sistenatischi i geografiski prouchvaniia vŭrkhu Mediteransko-orientalskite vidove na roda *Hypericum* L. (Systematische und geographische studien über die mediterran-orientalischen arten der gattung *Hypericum* L.) Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) 10: 19-63. illus. 1932.

Bulgarian.

Stoianov, N. A.

Dokladi vŭrkhu trudovetŭ na g. D-r Doncho Kostov (Rapports sur les travaux de Dr. Dontcho Kostoff) Godishn. Sofiisk. Univ. V. Agron. Fak. (Annuaire Univ. Sofia V. Fac. Agron.) 10: 483-512. 1932.

Bulgarian.

Memor. Soc. Fauna & Flora Fenn. (Helsingfors) (511H365Me) Buch, H.

Vorarbeiten zu einer lebermoosflora Fennoscandias. 1. Memor. Soc. Fauna & Flora Fenn. 8: 282-297. illus. 1933.

1. Ein versuch zur aufteilung der gattungen *Lophozia* Dum. und *Sphenolobus* Steph.

*Isopaches*, *Leiocolea*, *Saccobasis*, *Orthocaulis* n.gen.

Cedercreutz, C.

Die characeen Finnlands. Memor. Soc. Fauna & Flora Fenn. 8: 241-254. 1933.

Eklund, O.

Beiträge zur bryologie Südwest-Finnlands. 1. Das zentrale Schärenmeer mit besonderer berücksichtigung des kirchspieles Korpo. Memor. Soc. Fauna & Flora Fenn. 8: 32-77. 1932.

Marklund, G.

Ueber *Potentilla argentea* L. und *P. impolita* Wahlenb. Memor. Soc. Fauna & Flora Fenn. 8: 2-13. 1932.

Pettersson, B.

Beiträge zur kenntnis der *Taraxacum*-flora des südwestfinnländischen Schärenarchipels. Memor. Soc. Fauna & Flora Fenn. 8: 303-316. 1933.



Non-current indexing. (cont.)

Memor. Soc. Fauna & Flora. Fenn. (cont.)

Pettersson, B.

The action of extreme temperatures on species of *Viola* and *Lamium*. Memor. Soc. Fauna & Flora Fenn. 8: 79-97. 1932.

Puolanne, M.

Helsingin ja sen lähiseudun kasvisto. 1. *Taraxacum*-lajit. (Die flora von Helsinki nebst umgebung. 1. Die *Taraxacum*-arten) Memor. Soc. Fauna & Flora Fenn. 8:136-181. 1933.

German summary: p.181.

Räsänen, V.

Jäkäläsuku *Usnea* Hoffm. ja sen läheiset sukulaiset. (Die Flechtengattung *Usnea* Hoffm. und ihre nächsten verwandten). Memor. Soc. Fauna & Flora Fenn. 8: 185-188. 1933.

Brief German summary: p.188.

*U. leucostictoides*, *U. ramulosa* n.spp.

Railonsala, A.

Niinimaan suedun putkilokasvisto. Memor. Soc. Fauna & Flora Fenn. 8: 199-222. 1933.

In Finnish.

Rasanen, V.

Joitakin uusia jäkälälajeja ja toisintoja maalemme. (Einige für Finnland neue flechtenarten und -varietäten). Memor. Soc. Fauna & Flora Fenn. 8: 182-185. 1933.

Brief German summary: p.185.

Valle, K. J.

Kasvitietoja Petsamosta. Memor. Soc. Fauna & Flora Fenn. 8: 259-274. 1933.

In Finnish.

Proc. Biol. Soc. Washington (500W272)

Ames, O.

An addition to the flora of Honduras. Proc. Biol. Soc. Washington 44: 43-44. My.22, 1931.

*Lepanthes hondurensis*.

Proc. California Acad. Sci. (500C12P)

Howell, J. T.

The genus *Mollugo* in the Galapagos Islands. Proc. California Acad. Sci. 21: 13-23. Mr.14, 1933. no.3.

The Templeton Crocker expedition of the California academy of science, 1932. no.3.

*M. striata*, *M. insularis*, *M. crockeri*, n.spp.



Non-current indexing. (cont.)

Proc. Florida State Hort. Soc. (81F66)

Dahlberg, K.

Landscape material indigenous to tropic  
Florida. Proc. Florida State Hort. Soc.  
44(1931): 62-68. 1931.

Fairchild, D.

Some plant introduction experiences. Proc.  
Florida State Hort. Soc. 44(1931): 54-58. 1931.  
In regard to mango.

Robinson, T. R.

New citrus hybrids for Florida. Proc.  
Florida State Hort. Soc. 44(1931): 110-116. 1931.

Stahl, A. L.

Composition of Florida avocados. Proc.  
Florida State Hort. Soc. 44(1931): 81-86, 158-162.  
1931.

Swingle, W. T. & Robinson, T. R.

The Silverhill: a promising and apparently  
hardy strain of Satsuma orange. Proc. Florida  
State Hort. Soc. 44(1931): 201-202. 1931.

Sci. Bull. Lingnan Univ. (Canton, China) (513L64)

Groff, G. W.

Plants of Lungt'aushan and vicinities, North  
River area, Kwangtung Province, China. Sci. Bull.  
Lingnan Univ. 2. 138 p. pl. (map) Je. 1930.

McClure, F. A.

Plants of Lantau Island, Kwangtung. I.  
Sci. Bull. Lingnan Univ. 3. 44 p. pl. (map)  
My.1, 1931.

Sci. Rep. Nat. Centr. Univ. Nanking Ser. B, Biol. Sci. (513N15)

Wang, C.-C.

Notes on some sub-aerial Myxophyceae of Nanking.  
Sci. Rep. Nat. Centr. Univ. Nanking Ser. B, Biol.  
Sci. 1(1): 59-65. illus. Ap.1930.

Keng, Y. L.

A manual of grasses of Kiangsu (with the tribe  
Bambuseae excluded). Sci. Rep. Nat. Centr. Univ.  
Nanking Ser. B, Biol. Sci. v.1, no.2. 119 p. 33 pl.  
D. 1930.



Non-current indexing. (cont.)

Zeitschr. Immunitätsforsch. (Jena) (448.8Z42)

Kostoff, D.

Studies on the acquired immunity in plants induced by grafting. Zeitschr. Immunitätsforsch. 74: 339-346. 1932.

Experiments with Nicotiana.

Translations filed in Library of Bur. of Plant Industry.

Davendamm, W.

Ueber das vorkommen und den nachweis von oxydasen bei holzerstörenden pilzen. (On the presence and detection of oxidases in wood-destroying fungi). Zeitschr. Pflanzenkr. 38: 257-276. S./O. 1928.

Curtin, L. P.

Réactions chimiques des champignons qui attaquent le bois. (Chemical reactions of wood-destroying fungi). Bull. Inst. Pin Bordeaux 1929: 209-213. 1930.

Freisenleben, R.

Ueber experimentelle mykorrhiza-bildung bei ericaceen (Experimental mycorrhiza formation in Ericaceae). Ber. Deut. Bot. Ges. 51: 351-356. N.23, 1933.

Heinricher, E.

Ueber bau und biologie der blüten von Arceuthobium oxycedri (DC.) MB. (On the structure and biology of the blossoms of Arceuthobium oxycedri (DC.) MB.) Sitzungsber. K. Akad. Wiss. Wien Math.-Naturw. Kl. Abt. I, 124: 481-504. 1915.

Houben, J. & Wollenweber, H. W.

Hexylresorcin und phenyläthylresorcin gegen pflanzenpathogene pilze. (Hexyl-resorcin and phenyl-ethyl-resorcin as remedies against plant-pathogenic fungi). Biochem. Zeitschr. 204: 448-455. Ja.14, 1929.

Janse, J. M.

Des endophytes radicaux de quelques plantes javanaises. (The root endophytes of some Javanese plants). Ann. Jard. Bot. Duitenzorg 14: 53-202. 1897.



lc

# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY  
RECEIVED

★ JUN 18 1934 ★  
U. S. Department of Agriculture

Vol. 16, no. 11.

May 21-Je.2, 1934.

Acta Phytochim. (Tokyo) (451Ac8)

Shibata, K. & Tamiya, H.

Weitere untersuchungen über die bedeutung des  
cytochroms in der physiologie der zellatmung.  
(cont.) Acta Phytochim. 7: 191-231. D. 1933.  
no.2.

Tamiya, H. & Yamagutchi, S.

Systematische untersuchungen über das cyto-  
chromspektrum von verschiedenen mikroorganismen.  
Acta Phytochim. 7: 233-244. D. 1933. no.2.

Tamiya, H. & Yamamoto, A.

Ueber ein neues mikrokalorimeter zur messung  
der wärmeabgabe von schimmelpilzkultur. Acta  
Phytochim. 7: 245-263. illus. D. 1933. no.2.

Acta Soc. Bot. Polon. (Warsaw) (451Sol6)

Gołaszewska, Z.

Rozwój pyłku oraz analiza garnituru chro-  
mozomów u *Aspidistra elatior*. (La formation du  
pollen et le garniture des chromosomes chez  
*l'Aspidistra elatior*). Acta Soc. Bot. Polon.  
11: 85-102. illus., pl. 1934. no.1.  
French résumé: p.101-102.

Gorczyński, T.

Zytologische analyse einiger pollenentwicklungs-  
vorgänge bei der apfelsorte "Schöner von Boskoop".  
Acta Soc. Bot. Polon. 11: 103-118. illus. 1934.  
no.1.

Snieszko, S.

Doświadczenia nad bakterjami rozkładającymi  
błonnik w warunkach tlenowych (Some experiments  
on the aerobic cellulose decomposing bacteria).  
Acta Soc. Bot. Polon. 11: 51-84. illus. 1934.  
no.1.

English summary: p.83-84.



Acta Soc. Bot. Polon. (cont.)

Szynał, T.

Etudes biométriques sur les racines. Acta Soc. Bot. Polon. 11: 1-3. 1934. no.1.

Trela, J.

Fragment z polodowcowego rozwoju lasów południowo-wschodniej części puszczy Sandomierskiej w świetle analizy pyłkowej. (Die postglaziale waldentwicklung des süd-östlichen teiles des Sandomierien-urwaldes auf grund der pollenanalytischen untersuchung). Acta Soc. Bot. Polon. 11: 5-18. illus. 1934. no.1.  
German summary:17-18.

Wysocka, H.

Materiały do flory desmidyj z okolic Warszawy. (Contribution a la flore des desmidiees aud environs de Varsovie). Acta Soc. Bot. Polon. 11: 119-137. illus. 1934. no.1.  
French résumé: p.136-137.

Agricultura (Mexico) (8Ag822)

Fraire, M. & Stearn, J.

El estiércol del ganado, un vector desconocido del "mal de Panamá". Agricultura (Mexico) 1: 14-22. illus. Mr.31, 1934. no.1.

Amer. Fruit Grow. (Chicago) (80G85)

Taylor, W. A.

Fruit work through the years with the federal Bureau of plant industry. Amer. Fruit Grow. 54(5): 9, 23-24. My.1934.

Amer. Potato Journ. (75.8P842)

Hurst, R. R. & MacLaren, H. L.

Some observations on the sprouting habits of potato tubers exposed to low temperatures. Amer. Potato Journ. 11: 123-127. My.1934. no.5.

Mader, E. O.

The effect of varying the concentrations and the lime-to-copper ratio of Bordeaux mixture in potato spraying. Amer. Potato Journ. 11: 111-117. My. 1934. no.5.



Ann. Appl. Biol. (London) (442.8An72)

Bald, J. G. & Samuel, G.

Some factors affecting the inactivation rate of the virus of tomato spotted wilt. Ann. Appl. Biol. 21: 179-190. My. 1934. no.2.

Bewley, W. F.

Some physiological disorders of glasshouse crops. Ann. Appl. Biol. 21: 319-322. My. 1934. no.2.

Caldwell, J.

The physiology of virus diseases in plants. V-VI. Ann. Appl. Biol. 21: 191-205, 206-224. pl. x-xii. My.1934. no.2.

V. The movement of the virus agent in tobacco and tomato. VI. Some effects of mosaic on the metabolism of the tomato.

Chippindale, H. G.

The effect of soaking in water on the "seeds" of some Gramineae. Ann. Appl. Biol. 21: 225-232. My. 1934. no.2.

Grieve, B. J.

Studies in bacteriosis. XX. The spraing disease of potato tubers. Ann. Appl. Biol. 21: 233-250. pl. xiii-xiv. My. 1934. no.2.

Roach, W. A.

Injection for the diagnosis and cure of physiological disorders of fruit trees. Ann. Appl. Biol. 21: 333-343. illus. My.1934. no.2.

Wallace, T.

Some physiological disorders of fruit trees. Ann. Appl. Biol. 21: 322-333. My.1934. no.2.

Ann. Rep. Oregon State Hort. Soc. (81Or32)

Mannville, I. A.

Food values and vitamins in pears. Ann. Rep. Oregon State Hort. Soc. 25(1933): 47-62. 1933.

Miller, P. W.

Fourth report of progress on studies of the control of walnut blight in Oregon. Ann. Rep. Oregon State Hort. Soc. 25(1933): 139-153. 1933.



Arch. Roumain. Path. Exp. Microbiol. (448.3Ar22)

Ranghiano, D.

Recherches cytologiques sur le court-noué  
de la vigne. Arch. Roumain. Path. Exp. Microbiol.  
6: 353-495. illus., xxiii pl. (2 col.) D.1933.  
no.4.

Ark. Bot. (Stockholm) (451Sv2)

Folin, T.

Nya Hieracia vulgata från Tärna socken.  
Ark. Bot. v.26, no.6. 21 p. 4 pl. 1934.  
(Ja.4, 1934)

Gustafsson, C. E.

Rubi africani. Ark. Bot. v.26, no.7. 68 p.  
14 pl. 1934 (Mr.20, 1934)

Malme, G. O. A.

Asclepiadaceae argentinae. Ark. Bot. v.26,  
no.4. 45 p. illus. 1934(N.29, 1933)

Samuelsson, G.

Symbolae ad floram Graecam. Ark. Bot. v.26,  
no.5. 29 p. 1934(D.8, 1933)

Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e  
Nat. (Rome) (507R66)

Sibilia, C.

Sulla costituzione biotipica della Puccinia  
tritricina Erikss. in Italia. Atti R. Accad.  
Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat.  
19: 53-55. Ja.7, 1934. no.1.

Ber.Deut. Bot. Ges. (Berlin) (451D48)

Brieger, F.

Ablauf der meiose bei völliger asyndese.  
Ber. Deut. Bot. Ges. 52: 149-153. Ap.26, 1934. no.3.

Gessner, F. & Kolbe, R. W.

Ein beitrage zur kenntnis der algenflora des  
unteren Amazonas. Ber. Deut. Bot. Ges. 52: 162-  
170. illus. Ap.26, 1934. no.3.

Möbius, M.

Ueber die herkunft der wörter cambium und  
protoplasma. Ber.Deut.Bot.Ges. 52: 154-161.  
Ap.26, 1934. no.3.



Biochem. Zeitschr. (Berlin) (384B522)

Böning, K. & Böning-Seubert, E.

Ueber aufbau und stoffwechsel der pflanze unter dem einfluss der mineralsalzernährung. II. Der osmotische wert des presssaftes von tabakblättern in seiner abhängigkeit von der mineralsalzernährung der pflanze. Biochem. Zeitschr. 270: 122-156. illus. Ap.23, 1934. no.1/3.

Der Biologie (München) (442.8B527)

Beatus, R.

Gloxinia, ein ausgezeichnetes objekt zur beobachtung der samenanlagen und des eiapparates im leben. Der Biologie 3: 125-126. illus. My. 1934. no.5.

Leick, E.

Ziel, umfang und bedeutung der pflanzenökologie. Der Biologie 3: 113-119. My. 1934. no.5.

Biol. Medd. K. Danske Vidensk. (København) (442.9D23)

Lind, J.

Studies on the geographical distribution of Arctic circumpolar Micromycetes. Biol. Medd. K. Danske Vidensk. v.11, no. 2. 152 p. F.1, 1934.

Bol. Soc. Broteriana (Coimbra) (451C66)

Ascensão Mendonça, F.de & Pereira de Sousa, E.

Revisão das ciperáceas Portuguesas do herbário de Coimbra. Bol. Soc. Broteriana II,8: 140-167. 1933.

Baker, E. G.

Lista das leguminosas africanas, colhidas em Angola por Carrisso e Mendonça (iter angolatum 1927) e Mario de Castro, e em Moçambique por Gomes e Sousa e Pomba Guerra. Bol. Soc. Broteriana II, 8: 102-115. 1933

Fernandes, A.

Note sur les chromosomes de *Pancratium maritimum* L. Bol. Soc. Broteriana II,8: 168-175. illus. 1933.



Bol. Soc. Broteriana (cont.)

Machado Guimaraes, A. L.

Sinopse das briófitas de Portugal. II. Musgos.  
(cont.) Bol. Soc. Broteriana II,8. 116-139.  
1933.

Miranda Lopes, J. M.

A flora do concelho de Vimioso e arredores.  
4. Bol. Soc. Broteriana II,8: 176-189. illus.  
(map) 1933.

Quintanilha, A.

Le problème de la sexualité chez les basidio-  
mycètes. Recherches sur le genre Coprinus. Bol.  
Soc. Broteriana II,8: 3-99. 1933.

Boll. Sez. Ital. Soc. Intern. Microbiol. (Milano) (448.3Sol)  
Peyronel, B.

Sur quelques formes de Botrytis du type cinerea  
produisant un pigment rouge. Boll. Sez. Ital. Soc.  
Intern. Microbiol. 6: 47-50. F. 1934. no.2.

Bot. Jahrb. Engl. (Leipzig) (450En3B)

Bornmüller, J.

Aus der flora Afghanistans. (cont.) Bot. Jahrb.  
Engl. 66: 241-248. Ap.20, 1934. no.3.  
Dracocephalum kafiristanicum n.sp.

Rohweder, H.

Beiträge zur systematik und phylogenie des genus  
Dianthus unter berücksichtigung der karyologischen  
verhältnisse. Bot. Jahrb. Engl. 66: 249-368.  
illus., iii pl. Ap.20, 1934. no.3.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles) (504B83B)

Hauman, L.

La phytogeographie, science de synthèse.  
Bull. Cl. Sci. Acad. Roy. Belg. V,19: 1380-1411.  
1934. no.12.

Wildeman, E. de.

Prolifération cellulaire; accroissement perforant.  
Bull. Cl. Sci. Acad. Roy. Belg. V, 19: 1244-1249.  
1934. no.12.

In algae & fungi.



Bull. Fan Mem. Inst. Biol. (442.9F21)

Ching, R. C.

The studies of Chinese ferns. IX-X. Bull.  
Fan Mem. Inst. Biol. 4: 47-116, 293-354. F.24,  
My.10, 1933. no.3,10.

Christensen, C. & Ching, R. C.

Sinopteris, a new fern genus in China.  
Bull. Fan Mem. Inst. Biol. 4:355-364. 2 pl.  
My.10, 1933. no.10.

Teng, S. C.

Fungi in Peiping. I. Bull. Fan Mem. Inst.  
Biol. 4: 279-291. My.9, 1933. no.9.

Bull. Inst. Roy. Colon. Belge. (Bruxelles) (504B836)

Delevoy, G.

Sur quelques essais de résineux au Katanga.  
Bull. Inst. Roy. Colon. Belge 5: 122-130. illus.  
1934. no.1.

Wildeman, E. de.

Plantes pour la soif. Bull. Inst. Roy. Colon.  
Belge. 5: 131-157. 1934. no.1.

Bull. Mus. Hist. Nat. Paris (410.9P213)

Benois, R.

Les espèces malgaches du genre Barleria  
(acanthacées) Bull.Mus.Hist.Nat. Paris II,  
6: 78-89. Ja. 1934. no.1.

Camus, A.

Fagacées nouvelles de l'Asie orientale.  
Bull.Mus.Hist.Nat. Paris II, 6: 92-94. Ja.  
1934. no.1.

Castanopsis pachycarpa, Lithocarpus henderson-  
iana, L.yersinii, L. handeliana n.spp.

Camus, A.

Sur quelques graminées africaines. Bull.  
Mus.Hist.Nat. Paris II,6: 98-99. Ja.1934 no.1.

Chevalier, A.

Plantes nouvelles ou peu connues de l'Afrique  
tropicale. IV. Bull.Mus.Hist.Nat. Paris II,  
5: 479. N.1933. no.6.

Smithia uniflora n.sp.



Bull. Mus. Hist. Nat. Paris (cont.)

Chouard, P. & Galap, V.

Particularités anatomiques des écailles et des tuniques des bulbes de quelques scillées de l'Afrique australe et tropicale. Bull. Mus. Hist. Nat. Paris II,5: 488-493. illus. N. 1933. no.6.

Scilla & Albuca.

Christensen, C.

Filices novae Indochinenses. Bull. Mus. Hist. Nat. Paris II,6: 100-106. Ja.1934. no.1.

Colin, H.

Le sucre des floridées. Bull. Mus. Hist. Nat. Paris II,6: 153-155. Ja.1934. no.1.

Costantin, J.

Sur les maïs géants. Bull. Mus. Hist. Nat. Paris II,5: 475-478. N.1933. no.6.

Gagnepain, F., Guillaumin, A. & Leandri, J.

Plantes nouvelles ou critiques des serres du Muséum. Bull. Mus. Hist. Nat. Paris II, 6: 119-122. Ja. 1934. no.1.

Aloe ellenbergeri, Dendrobium marseillei, Euphorbia decaryi, E. didiereoides n.spp.

Guinet, C.

Floraisons observées a l'École de botanique du Muséum pendant l'année 1933. Bull. Mus. Hist. Nat. Paris II,6: 130-135. Ja.1934. no.1.

Paris, Muséum d'histoire naturelle

Floraisons observées dans les serres du Muséum pendant l'année 1933. In its Bull. II, 6: 123-129. Ja.1934. no.1.

1933 by A. Guillaumin & J. Paupion.

Reznik, A.

Revision de la section Notosolen Stapf du genre Andropogon Linn. (graminées). Bull. Mus. Hist. Nat. Paris II,5: 494-500. illus. N. 1933. no.6.

A. tenuiculus, A. infrasulcatus, A. chevalieri A. feilicis, n.spp. and several new var.



Bull. Mus. Hist. Nat. Paris (cont.)

Robyns, W. & Ghesquière, J.

Une espèce nouvelle du genre *Enneastemon*  
Exel (Annonaceae) du Gabon. Bull. Mus. Hist.  
Nat. Paris II,6: 90-91. Ja.1934. no.1.  
*Enneastemon ferrugineus*.

Rodriguez, L.

Hemodoracées nouvelles d'Indochine. Bull.  
Mus.Hist.Nat.Paris II,6: 95-97. Ja.1934. no.1.  
*Ophiopogon peliosanthifolius*, *O. humilis*,  
*Peliosanthes serrulata*, *Neolourya weberi*, *M.*  
*pierrei*, n.spp.

Sacleux, P.

Un *Chytranthus* nouveau de M. Pierre dans les  
collections faites en 1891 dans l'île de Zanzibar.  
Bull. Mus. Hist. Nat. Paris II,6: 110-111. Ja.  
1934. no.1.  
*C. sacleuxii*.

Bull. R. Soc. Tosc.ortic. (Firenze) (86R22)

Maccioni, M.

Angiolo Picci. Bull. R. Soc. Tosc.ortic.  
59: 2-4. port. Ja./F. 1934. no.1/2.  
1851-1934.

Maccioni, M.

Pomodori da ripieno. Bull. R. Soc. Tosc.  
ortic. 58: 143-145. illus., pl.v. S./O. 1933.  
no.9/10.

Maccioni, M.

I pomodori da serbo. Bull. R. Soc. Tosc.  
ortic. 58: 46-49. illus. Mr./Ap. 1933. no.3/4.

Passavalli, L. P.

Sulla spaccatura delle mele dovuta ad elementi  
meteorici. Bull. R. Soc. Tosc.ortic. 59: 13-16.  
illus. Ja./F. 1934. no.1/2.

Pucci, A.

Attilio Ragionieri. Bull. R. Soc. Tosc.ortic.  
58: 132-133. port. S./O. 1933. no.9/10.



Bull. R. Soc. Tosc.ortic. (cont.)

Ragionieri, A.

La genetica e le piante nuove di importazione alle floralies di Gand 1933. Bull. R. Soc. Tosc.ortic. 58: 77-84. illus. My./Je. 1933. no.5/6.

Ragionieri, A.

Note di genetica pratica. Le gesneriacee. Bull. R. Soc. Tosc.ortic. 58: 4-7. illus. Ja./F. 1933. no.1/2.

Rinaldi, Z.

Le prunee ornamentali. (cont.) Bull. R. Soc. Tosc.ortic. 58:51-57. illus. Mr./Ap. 1933. No.3/4.

Bull. Soc. Bot. France (Paris) (451F84B)

Beauverie, M. A.

Les forêts de la Dombes. Bull. Soc. Bot. France 81: 126-135. illus. Mr.26, 1934. no.1/2.

Broyer, C.

L'arachide (*Arachis hypogaea* Linné) en France. Bull. Soc. Bot. France 81: 97. Mr.26, 1934. no.1/2.

Statement in regard to peanut in work of 1829, "Les jeunes voyageurs en France" by Mme. de Flesselles.

Camus, A.

*Panicum ihosyense* A. Camus, espèce nouvelle de la section *Pseudolasiacis*. Bull. Soc. Bot. France 81: 54-55. Mr.26, 1934. no.1/2.

Chadefaud, M.

Les corps mucifères et les trichocystes des eugléniens et des chloromonadines. Bull. Soc. Bot. France 81: 106-110. illus. Mr.26, 1934. no.1/2.

Dangeard, P.

Un *Ectocarpus* nouveau du Croisic (*E. maculans*, sp.nov.) Bull. Soc. Bot. France 81: 98-102. illus. Mr.26, 1934. no.1/2.



Bull. Soc. Bot. France (cont.)

Dangeard, P.

Sur la présence en France du *Phaeocystis globosa* Scherffel. Bull. Soc. Bot. France 81: 143-145. illus. Mr.26, 1934. no.1/2.

Friedel, J.

Quelques observations sur l'anatomie comparée du genre *Meconopsis* Viguiér. Contribution à l'étude de la filiation des papavéracées. Bull. Soc. Bot. France 81: 103-106. Mr.26, 1934. no.1/2.

Gagnepain, F.

Iridacées, amaryllidacées et liliacées nouvelles d'Asie. Bull. Soc. Bot. France 81: 66-74. Mr.26, 1934. no.1/2.

New species of Eleutherine, Curculigo, Heterosmilax and Smilax.

Gagnepain, F.

*Stemona* nouveaux d'Indochine. Bull. Soc. Bot. France 81: 146-148. Mr.26, 1934. no.1/2.

*S. cochinchinensis*, *S. phyllantha*, *S. pierrei*, *S. saxorum* & *S. squamigera* n.spp.

Gazet du Chatelier, G.

Un cas de non-disjonction dans le *Sterculia platanifolia* L. Bull. Soc. Bot. France 81: 136-138. illus. Mr.26, 1934. no.1/2.

Gazet du Chatelier, G.

De l'appareil gommifère du *Sterculia platanifolia* L. Bull. Soc. Bot. France 81: 62-66. illus. Mr.26, 1934. no.1/2.

Geoffroy, R.

Etude des lipides de quelques farines industrielles de graminées et de légumineuses. Relations des lipides du froment avec la valeur boulangère. Bull. Soc. Bot. France 81: 17-24. Mr.26, 1934. no.1/2.

Gilles, Ed.

Effets du rayonnement ultra-violet sur les plantes supérieures. Remarques sur les conditions expérimentales. Bull. Soc. Bot. France 81: 121-125. Mr.26, 1934. no.1/2.



Bull. Soc. Bot. France. (cont.)

Guillaumin, A.

Matériaux pour la flore de la Nouvelle-Calédonie. XXXIV. Revision de myrtacées à fruit sec suivie de quelques notes sur les myrtacées à fruit charnu. Bull. Soc. Bot. France 81: 3-17.  
Mr.26, 1934. no.1/2.

Guinochet, M.

Eléments pour servir à l'étude de la végétation algale de la Dombes. Première liste de chlorophycées et conjuguées. Bull. Soc. Bot. France 81: 41-46.  
illus. Mr.26, 1934. no.1/2.

Issler, E.

Contribution à l'étude d'*Helianthemum nummularium* (L.) Dunal et d'*H. ovatum* (Viv.) Dunal.  
Bull. Soc. Bot. France 81: 55-62. Mr.26, 1934.  
no.1/2.

Léandri, J.

Un *Pachypodium* (apocynacées) nouveau de l'ouest de Madagascar. Bull. Soc. Bot. France 81: 141.  
Mr.26, 1934. no.1/2.

*Pachypodium menabeum*.

Leiris, P. de.

Découverte dans le Dauphiné d'une station d'*Odontites glutinosa*. Bull. Soc. Bot. France 81: 110-113. illus. Mr.26, 1934. no.1/2.

Lenoble, F.

Sur la définition de la région méditerranéenne en géographie botanique et ses limites dans le sud-est de la France. Bull. Soc. Bot. France 81: 88-96. illus. (map) Mr.26, 1934. no.1/2.

Litardière, R.de.

Alfred Saint-Yves (1855-1933). Notice biographique. Bull. Soc. Bot. France 81: 46-53.  
port. Mr.26, 1934. no.1/2.

Moreau, F. & Moreau, Mme.

Sur les lichens des roches granitiques d'Auvergne. Bull. Soc. Bot. France 81: 149-158.  
Mr.26, 1934. no.1/2.



Bull. Soc. Bot. France. (cont.)

Nicolas, G.

Un nouvel exemple de phyllodie; *Hortensia* à fleurs vertes. Bull. Soc. Bot. France 81: 38-41. illus. Mr.26, 1934. no.1/2.

Pellegrin, F.

Plantae Letestuanæ novæ XX. Bull. Soc. Bot. France 81: 142-143. Mr.26, 1934. no.1/2.

*Calcasia loukandensis*, Cuvier le testui.

Pierrier de la Bathie, H.

Le genre *Benthamia* (orchidées). Bull. Soc. Bot. France 81: 25-38. Mr.26, 1934. no.1/2.

Sauvage, C.

Aperçu sur la végétation de Zerhoun. III. (concl.) Bull. Soc. Bot. France 81: 75-86. illus., pl. ii. Mr.26, 1934. no.1/2.

Thiébaud, J.

Notes sur quelques plantes de la flore libano-syrienne. Bull. Soc. Bot. France 81: 113-121. Mr.26, 1934. no.1/2.

Bull. Soc. Chim. Biol. (Paris) (383Sol)

Colin, H. & Belval, H.

Le raffinose dans les grains de céréales. Bull. Soc. Chim. Biol. 16: 424-427. Mr.1934. no.3.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9Sol25)

Malencon, G.

Les palmeraies du Draa et le bayoud. Bull. Soc. Hist. Nat. Afr. Nord 25: 112-117. illus. (map) Ap.1934. no.4.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Poindexter, R. W.

Some remarks on *Mesembryanthemums*. (concl.) Cactus & Succ. Journ. 5: 569-571. illus. My. 1934. no.11.

Walther, E.

Photographing succulents. Cactus & Succ. Journ. 5: 563-567. illus. My.1934. no.11.



Calif. Citrogr. (Los Angeles) (80C125)

Blanchard, Vincent F.

Depressing effect of wind on growth and yield of citrus trees. Calif. Citrogr. 19: 206. illus. Je. 1934. no.8.

Parker, E. R.

Effect of certain zinc sulphate sprays for mottle leaf of citrus. Calif. Citrogr. 19: 204. illus. Je. 1934. no.8.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Lloyd, F. E.

Additional observations on some Utriculariaceae. Canad. Journ. Res. 10: 557-562. illus., pl. My. 1934. no.5.

Manske, R. H. F.

The alkaloids of fumariaceous plants. IX. *Dicentra formosa*, Walp. Canad. Journ. Res. 10: 521-526. My. 1934. no.5.

Prat, H.

A biometric study of the culms of cereals and grasses. Canad. Journ. Res. 10: 563-570. My. 1934. no.5.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)

Viala, P.

Le court-noué. Compt. Rend. Acad. Agr. France 20: 46-50. Ja. 10, 1934. no.1.

Compt. Rend. Acad. Sci. Paris (505P21)

Daniel, L.

Action de greffes répétées effectuées sur des descendants de l'absinthe greffée sur *Chrysanthemum frutescens*. Compt. Rend. Acad. Sci. Paris 198: 1658-1660. illus. My. 7, 1934. no.19.

Contr. Boyce Thomp. Inst. Plant Res. (451B69)

Beale, H. P.

A device for uniform lighting in precipitin tests. Contr. Boyce Thomp. Inst. Plant Res. 6: 165-166. illus. Ap./Je. 1934. no.2.

Denny, F. E.

Improvements in methods of determining starch in plant tissues. Contr. Boyce Thomp. Inst. Plant Res. 6: 129-146. illus. Ap./Je. 1934. no.2.



Contr. Boyce Thomp. Inst. Plant Res. (cont.)

Farr. W. K. & Eckerson, S. H.

Formation of cellulose membranes by microscopic particles of uniform size in linear arrangement. Contr. Boyce Thomp. Inst. Plant Res. 6: 189-203. 2 col.pl. Ap./Je. 1934. no.2.

Flemion, F.

Dwarf seedlings from non-after-ripened embryos of peach, apple, and hawthorn. Contr. Boyce Thomp. Inst. Plant Res. 6: 205-209. illus. Ap./Je. 1934. no.2.

McCool, M. M.

Effect of various factors on the soluble manganese in soils. Contr. Boyce Thomp. Inst. Plant Res. 6: 147-164. illus. Ap./Je. 1934. no.2.

Miller, L. P.

Time relations in effect of ethylene chlorhydrin in increasing and of ethyl alcohol in decreasing the respiration of potato tubers. Contr. Boyce Thomp. Inst. 6: 123-128. Ap./Je.1934. no.2.

Stewart, W. D. & Arthur, J. M.

Some effects of radiation from a quartz mercury vapor lamp upon the mineral composition of plants. Contr. Boyce Thomp. Inst. Plant Res. 6: 225-245. Ap./Je. 1934. no.2.

Zimmerman, P. W. & Crocker, W.

Plant injury caused by vapors of mercury and compounds of mercury. Contr. Boyce Thomp. Inst. Plant Res. 6: 167-187. illus., col.pl. Ap./Je. 1934. no.2.

Current Science (Bangalore) (475Sci23)

Cheema, G. S.

Fruit research in India: Its importance, history and scope. Current Science 2: 376-379. Ap. 1934. no.10.

Ghatak, N.

The colouring matter of the seed-coat of *Abrus precatorius*, Linn. (scarlet variety). Current Science 2: 380. Ap.1934. no.10.



Current Science. (cont.)

Majumdar, G. P.

On the occurrence of sori on the upper surface of the leaf of *Nephrolepis davallioides* var. *furcans*. *Current Science* 2: 382-383. illus. Ap.1934. no.10.

Divulg. Agr. y. Ganad. Peru (9.8P43D)

Abbott, E. V.

Enfermedades de las hortalizas. *Divulg. Agr. y Ganad. Peru* 10. 8 p. 1933.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Kolomietz, I. A.

K voprosu o zasukho stoichivosti i ob'ektivnykh priznakakh ee u sortov iarovoi pshenitsy (On drought resistance and its outward signs in different varieties of spring wheat). *Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)* n.s.,2: 109-115. Ap.11, 1934. no.2.

Russian and English.

Kostov, D.

Krossingover u vidovykh gibridov *Nicotiana* (Crossing over in *Nicotiana* species hybrids) *Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)* n.s.,1: 593-599. Mr.21, 1934. no.9.

Molotkovskii, G. K.

Zhelatinovye kamery k porometru (Eine gelatine-kammer für das porometer) *Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)* n.s.,2: 48-51. Ap.1, 1934. no.1.

Russian and English.

Nadson, G. A. & Stern, E. A.

O deistvii ul'trafioletovykhлучей rтutno-kvar-tsevoi lampy na kletku *Bacillus mycoides* Fl. (De l'action des rayons ultra-violets de la lampe de quartz a vapeur de mercure sur la cellule de *Bacillus mycoides* Fl.) *Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)* n.s.2: 51-56. illus. Ap.1, 1934. no.1.

Russian and English.

Oparin, A. I.

Obmen veshchestv v sakharnoi svekle pri nizkikh temperaturakh i khranenie ee v zamorozhennom vide (Metabolism in sugar beetroot at low temperatures and the storage of beetroot in a frozen state). *Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)* n.s., 2: 116-121. Ap.11, 1934. no.2.

Russian and English.



Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (cont.)

Potapov, N. G. & Stankov, N.

O sutochnoi periodichnosti mineral'nogo pitaniia  
(On the periodicity of mineral nutrition within the  
24 hours) Dokl. Akad. Nauk SSSR (Comp. Rend.  
Acad. Sci. URSS) n.s.,2: 40-45. Ap.1, 1934. no.1.  
Russian and English. Experiments with maize.

Shkol'nik, M. Ia.

Vliianie bora na razvitie l'na v vodnykh i poch-  
vennykh kul'turakh (The effect of boron upon the  
development of flax in water and soil cultures)  
Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)  
2: 104-109. illus. Ap.11, 1934. no.2.  
Russian and English.

Udol'skaia, N. L.

K voprosu ob izuchenii elementov mineral'nogo pita-  
niia kak faktorov izmeniaiushchikh zasukhoustoichivost  
(Contribution to the study of the elements of mineral  
nutrition as of factors changing the drought resistance  
of plants) Dokl. Akad. Nauk SSSR (Compt. Rend. Acad.  
Sci. URSS) n.s.,2: 45-48. Ap.1, 1934. no.1.  
Russian and English.

Udol'skaia, N.

Zasukhoustoichivost sorotv iarovoï pshenitsy  
(Drought resistance of spring wheat varieties)  
Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)  
n.s.,1: 583-589. Mr.21, 1934. no.9.  
Russian and English.

Empire Journal Exp. Agr. (Oxford) (10Em7)

Shutt, F. T. & Hamilton, S. N.

The quality of wheat as influenced by environ-  
ment. Empire Journ. Exp. Agr. 2: 119-138.  
Ap. 1934. no.6.

Entom. & Phytopath. Hangchow, China. (C423.92En8)

Chu, H.-t.

The speciality of mosaic disease. Entom. &  
Phytopath. Hangchow, China. 2: 219-240. Ap.21,  
1934. no.12.  
Chinese.

Flor. Exch. (N.Y.) (80F666)

Young, W. J.

The use and abuse of plant names. Flor. Exch.  
82(2): 21. My.19, 1934.



Flor. Rev. (Chicago) (80W41)

Jones, L. H.

Acidity of potting soil not affected by type  
of container. Flor. Rev. 74(1904): 9-10.

My.24, 1934.

For. Leaves (99.8F763)

Perry, G. S.

The deadly Dutch elm disease. For. Leaves  
24:2. Ja. 1934. no. 1.

Forstarchiv (Hannover) (99.8F7723)

Röhrig, H.

Verbreitung und bekämpfung des kiefernbaum-  
schwammes in den staatsforsten des regierungsbezirks  
Potsdams. Forstarchiv 10: 137-146. My.1, 1934.

no.9.

Fruit Grow. Fruiterer, Flor. & Mark. Gard. (London) (80F941)

Turnbull, J.

Scab control problem. Fruit Grow. Fruiterer,  
Flor. & Mark. Gard. 77: 854-855. My.10, 1934.

Abstract of author's address before meeting  
under auspices of Norfolk county council Dept. of  
horticultural education.

Gard. Chron. (London) (80G162)

Bagenal, N. B.

Twenty-one years work at East Malling research  
station. II. Research work on small fruits. Gard.

Chron. III, 95: 294-296. My.5, 1934. no.2471.

Balls, E. K.

Plant collecting in Persia. X. The plants of  
Mt. Elwend. Gard. Chron. III,95: 312-314.

illus. My.12, 1934. no.2472.

The behaviour of garden plants. XIII. *Rubus*  
*cissoides*. Gard. Chron. III,95: 287. My.5,  
1934. no.2471.

Friend, H.

Herbals and herbalists. IX. An oriental contribution.  
Gard. Chron. III, 95: 294. My.5, 1934. no.2471.

Gard. Chron. Amer. (80G1632)

Lee, O. C.

Beware of ivy poisoning. Gard. Chron. Amer.  
38: 170. illus. Je.1934. no.6.



Gard. Chron. Amer. (cont.)

Matschat, C. H.

Little-known Mexican plants. Gard. Chron.  
Amer. 38: 168-169. illus. Je.1934. no.6.

Gladiolus Rev. (Goshen, Ind.)

Huff, R.

Hybridizing gladiolus. Gladiolus Rev. 11:  
91-93. illus. My.1934. no.5.

Hong Kong Nat. (410H75)

Herklots, G. A. C.

Berries of winter. Hong Kong Nat. 4: 106-  
112. illus. D.1933. no.2.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Blank, L. M.

Uniformity in pathogenicity and cultural  
behavior among strains of the cabbage-yellows  
organism. Journ. Agr. Res. 48: 401-409.  
Mr.1, 1934. (Rec'd My.24) no.5.

Brannon, L. W.

Injury from calcium arsenate-hydrated lime  
spray on snap beans retarded in growth by unfavor-  
able soil conditions. Journ. Agr. Res. 48: 447-  
451. Mr.1, 1934(Rec'd My.24) no.5.

Clayton, E. E.

Toxin produced by *Bacterium tabacum* and its  
relation to host range. Journ. Agr. Res. 48:  
411-426. illus. Mr.1, 1934 (Rec'd My.24) no.5.

Only species of *Nicotiana* true host plants of  
*Bacterium tabacum*.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Atkeson, F. W., Hulbert, H. W. & Warren, T. R.

Effect of bovine digestion and of manure  
storage on the viability of weed seeds. Journ.  
Amer. Soc. Agron. 26: 390-397. My.1934. no.5.

Garver, S.

The Redfield tepary bean, an early maturing  
variety. Journ. Amer. Soc. Agron. 26: 397-403.  
My.1934. no.5.

Heck, A. F.

Some indications of a relation of soil fertility  
and plant nutrition to cane diseases in Hawaii.  
Journ. Amer. Soc. Agron. 26: 381-389. My.1934. no.5.



- Journ. Bacteriol. (Baltimore) (448.3J82)  
Hartsell, S. E. & Rettger, L. F.  
A taxonomic study of "Clostridium putrificum"  
and its establishment as a definite entity -  
Clostridium lentoputrescens, nov.spec. Journ.  
Bacteriol. 27: 497-512. 2 pl. My.1934. no.5.
- Journ. Bot. (London) (450J82)  
Dandy, J. E.  
Notes on Hydrocharitaceae. I. The delimitation  
and subdivision of Ottelia. Journ. Bot. 72:  
132-139. My.1934. no.857.
- Eig, A.  
Astragalus (sect. Platyglottis): revision of  
Palestinian species. Journ. Bot. 72: 121-132.  
pl.604-605. My.1934. no.857.
- Rendle, A. B.  
Sydney Howard Vines (1849-1934). Journ. Bot.  
72: 139-141. My.1934. no.857.
- White, C. T.  
Thomas Lane Bancroft, (1860-1933). Journ.  
Bot. 72: 141-142. My.1934. no.857.
- Journ. Bot. Soc. So. Afr. (Cape Town) (451B657)  
Cowlshaw, K.  
Experiments in the cross fertilization of  
certain species of the Amaryllidaceae. Journ.  
Bot. Soc. So. Afr. 19: 10-13. 1933.
- Mathews, J. W.  
Notes on delayed germination. Journ. Bot.  
Soc. So. Afr. 19: 16-17. 1933.
- Journ. Gen. Physiol. (Baltimore) (447.8J22)  
Pearl, R., Edwards, T.I. & Miner, J. R.  
The growth of Cucumis melo seedlings at dif-  
ferent temperatures. Journ. Gen. Physiol. 17:  
687-700. My.20, 1934. no.5.
- Journ. Genetics (London) (442.8J823)  
Armstrong, J.M. & Huskins, C., L.  
Further studies on the cytology of Matthiola  
incana. Journ. Genetics 29: 29-50. illus.  
Ap. 1934. no.1.



Journ. Genetics (cont.)

Buxton, B. H. & Dark, S.O.S.

Hybrids of *Digitalis dubia* and *D. mertonensis* with various other species. Journ. Genetics 29: 109-122. illus., pl.viii-x (1 col.) Ap.1934. no.1.

Dark, S. O. S.

Chromosome studies in the Scilleae. II. Journ. Genetics 29: 85-98. illus. Ap.1934. no.1. Pt. I by C.D.Darlington.

Imai, Y.

An apparently simple inheritance of variegation in *Polygonum orientale*. Journ. Genetics 29: 147-151. pl. xi-xii. Ap.1934. no.1.

MacArthur, J. W.

Linkage groups in the tomato. Journ. Genetics 29: 123-133. Ap. 1934. no.1.

Journ. Hered. (Washington) (442.8Am3)

Blakeslee, A. F.

New Jimson seeds from old chromosomes. Journ. Hered. 25: 81-108. illus. Mr.1934. no.3.

Journ. Indian Bot. Soc. (Madras) (450J821)

Bose, P. K.

Abnormalities in *Cucurbita pepo* Linn. Journ. Indian Bot. Soc. 13: 47-50. illus.,pl. Ja.1934. no.1.

Chaudhuri, H. & Johar, D. S.

On *Schizophyllum commune* Fr., a parasite on trees in Lahore. Journ. Indian Bot. Soc. 13: 67-69. pl. Ja.1934. no.1.

Gupta, B. L.

A contribution to the life history of *Potamogeton crispus* L. Journ. Indian Bot. Soc. 13: 51-65. illus., iii pl. Ja.1934. no.1.

Gupta, B. L.

On the wood anatomy and theoretical significance of homoxylous angiosperms. Journ. Indian Bot. Soc. 13: 71-101. illus., vi pl. Ja.1934. no.1.



Journ. Indian Bot. Soc. (cont.)

Maheshwari, P. & Singh, B.

The morphology of *Ophioglossum fibrosum* Schum.  
Journ. Indian Bot. Soc. 13: 103-123. illus.,  
iii pl. Ja.1934. no.1.

Randhawa, M. S.

*Ghosella indica* gen.et sp.nov., a new member  
of the Conjugatae. Journ. Indian Bot. Soc.  
13: 11-16. pl. Ja. 1934. no.1.

Ranjan, S. & Khan, Z. A.

Studies in the respiration of *Psidium guava* in  
relation to its sugar and acid contents, while pass-  
ing through a senescent drift. Journ. Indian Bot.  
Soc. 13: 17-40. Ja. 1934. no.1.

Sabnis, T. S. & Singh, D. N.

A note on canal irrigation and weed distribution.  
Journ. Indian Bot. Soc. 13: 1-10. iii pl. Ja.  
1934. no.1.

Singh, T. C. N.

Observations in pollination by sun-birds in  
*Morinda tinctoria* Roxb. Journ. Indian Bot. Soc.  
13: 41-45. pl. Ja.1934. no.1.

Journ. Indian Inst. Sci. (Madras) (513In23)

Sreenivasa Rao, Y. V.

Contributions to the physiology of sandal  
(*Santalum album*, Linn.) Journ. Indian Inst.  
Sci. 16A: 167-177, 178-184. pl. 1934. no.15.

I. Nature and extent of parasitism. II. In-  
fluence of host on the nitrogen metabolism of  
sandal.

Journ. Min. Agr. Gt. Brit. (10G79J)

Pethybridge, G. H.

Potato diseases. Journ. Min. Agr. Gt. Brit.  
41: 125-136. My. 1934. no.2.

Journ. New Zeal. Inst. Hort. (87N485J)

Cunningham, G. H.

Plant protection. Journ. New Zeal. Inst. Hort.  
4(2): 1-8. Mr. 1934.

Journ. Tenn. Acad. Sci. (500T25A)

Lackey, J. B. & Goltman, A. M.

Botanical aspects of the hay fever situation  
in the Memphis area. Journ. Tenn. Acad. Sci.  
9: 133-148. Ap.1934. no.2.



Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

*Memmillaria picta* Meinshausen, eine nicht mehr bekannte art. Kakteenk. Deut. Kakteen-Ges. 1934: 86-87. My.1934. no.5.

Liebe, C.

Die botanischen namen und der liebhaber. Kakteenk. Deut. Kakteen-Ges. 1934: 94-95. My. 1934. no.5.

Roll, E.

Wilhelm Otto Rother. Kakteenk. Deut. Kakteen-Ges. 1934: 85-86. My. 1934. no.5.  
Notice of death.

Kosmos (Lwów, Poland) (475K84)

Sulma, T.

Materiały do flory porostów Czarnohory. (The lichen flora of the Czarnohora). Kosmos (Lwów, Poland) 57: 19-38. 1933. no.1.

English summary: p.38.

Szymkiewicz, D.

Badania ekologiczne. (Recherches écologiques). Kosmos (Lwów, Poland) 57: 57-83. illus. 1933. no.1.

French résumé: p.70-80.

Włodek, J.

Uwagi i obserwacje nad wpływem niektórych roślin wyższych na wietrzenie granitu w Tatrach. (Ueber den einfluss von höheren pflanzen auf die verwitterung von granit in der Tatra). Kosmos (Lwów, Poland) 57: 85-96. illus., iii pl. 1933. no.1.

German summary: p.94-96.

Landw.Jahrb. (Berlin) (18L23)

Müller, K. & Sleumer, H.

Biologische untersuchungen über die peronosporakrankheit des weinstockes mit besonderer berücksichtigung ihrer bekämpfung nach der inkubationskalendermethode. Landw. Jahrb. 79: 509-576. illus. 1934. no.4.



Lingnan Sci. Journ. (Canton, China) (22.5016)

Chen, Y. A.

A preliminary study of the evidence for the taxonomic value of pollen grains in determining the local plants. (concl.) Lingnan Sci. Journ. 13: 251-256. pl.29-32. Ap.18, 1934. no.2.

Moninger, M.M.

Trees and typhoons in Hainan. Lingnan Sci. Journ. 13: 323-325. Ap.18, 1934. no.2.

Meded. Landbouwproefst. Suriname (Paramaribo) (102.5D95)

Stahel, G.

De tagenwoordige stand van het onderzoek naar den overdrager der zeefvatenziekte von de koffie. Meded. Landbouwproefst. Suriname no.7. 9 p. Ja. 1934.

Meded. Proefst. Vorstel. Tabak. Java (Klaten) (69.9K66)

Thung, T. H.

Bestrijding der kurl- en kroepoek-ziekten van tabak. (The control of the curl- and crinkle-diseases of tobacco). Meded. Proefst. Vorstenl. Tabak Java no.78. 18 p. 1934.

Brief English summary: p.18.

Meld. Norges Landbruks. (Oslo) (104N762M)

Lunden, A. P.

Forsøk med tidligpotetsorter pa forsøkgarden vollebekk og pa spredte felter, i arene 1928-32. Meld. Norges Landbruks. 14: 275-308. 1934. no.2/3.

English summary: p.307-308.

Results of variety trials with early potato varieties, 1928-32, at State college of agriculture Aas, Norway. Contains notes on disease susceptibility and resistance.

Mitt. Landw. (Berlin) (18D48M)

Braun, H.

Warum unkrautbekämpfung? Mitt. Landw. 49: 401-403. My.12, 1934. no.19.

Mus. & Art. Notes. Vancouver. City Mus. (516V28)

Perry, F.

Historical and ecological notes of a trip to the Hope Mountains. Mus. & Art Notes Vancouver City Mus. Suppl.8. 5 p. D.1933.



Mus. & Art. Notes. Vancouver City Mus. (cont.)

Wailes, G. H.

Protozoa and algae from Mount Hopeless, B.C.

Mus. & Art Notes Vancouver City Mus. Suppl.7.

4 p. N.1933.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Trappmann, G. & Nitsche, G.

Eine einfache dosierungsvorrichtung für  
spritzmittel bei laboratoriums-versuchen.

Nachrichtenbl. Deut. Pflanzenschutzd. 14: 51-52.

illus. My.1934.

Methoden zur prüfung von pflanzenschutzmitteln  
VII.

New Jersey State Hort. Soc. News (81N46)

Blake, M. A.

The ability of apples to grow at low temperatures.

New Jersey State Hort. Soc. News 15: 606-607. My.

1934. no.4.

Blake, M. A.

Blooming dates of Elberta peach and Stayman  
apple. New Jersey State Hort. Soc. News 15: 603-  
604. My.1934. no.4.

Blake, M. A.

Judging the growth status of the Stayman  
apple. New Jersey State Hort. Soc. News 15:602-  
603, 607. My.1934. no.4.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Neill, J. C.

Experiments on control of some cereal diseases  
by seed-dusting. New Zeal. Journ. Agr. 48: 234-  
237. Ap.20, 1934. no.4.

Nyt Mag. Naturvidensk. (Oslo) (41ON99)

Breien, K.

Die verbreitung der Utricularia-arten in  
Norwegen. Nyt Mag. Naturvidensk. 73: 273-301.  
illus. 1933.

Johansen, F.

Description of the country and vegetation at  
Port Churchill, Man., in Arctic Canada. Nyt Mag.  
Naturvidensk. 73: 221-257. illus. 1933.



Nyt Mag. Naturvidensk. (cont.)

Jorde, I.

Untersuchungen über den lebenszyklus von Urospora Aesch. und Codiolum A. Braun. Nyt Mag. Naturvidensk. 73: 1-20. illus., pl. 1933.

Lid, J. & Meidell, O.

The food of Norwegian grouse chicks. (Lagopus lagopus L.) Nyt Mag. Naturvidensk. 73: 75-114. illus. 1933.

Systematical list of vegetable crop contents... from Øyer and Vaga, p.98-104.

Scholander, P. F.

Notes on Peltigera erumpens (Tayl.) Vain s.l. Nyt Mag. Naturvidensk. 73:21-54. illus. 1933.

Størmer, P.

Plants collected by Frits Johansen in 1929, at Hudson Bay Railway and Port Churchill in Arctic Canada. Nyt Mag. Naturvidensk. 73: 259-272. 1933.

Occas. Papers Univ. Hawaii. (500H31P)

Fosberg, F. R.

A key to the families of monocotyledons in the Hawaiian Islands. Occas. Papers Univ. Hawaii no.18. 8 p. Ja. 1934.

Orchid Rev. (Richmond, Engl.) (8000r15)

Claes, F.

The re-discovery of Cattleya labiata var. autumnalis. Orchid Rev. 42: 143-146. illus. My. 1934. no.491.

Pflanzenbau (Berlin) (18P48)

Heuser, W.

Untersuchungen über den entwicklungsrythmus verschiedener lupinenarten und -sorten bei verschiedenen aussaatzeiten, ein beitrag zur kenntnis ihres photoperiodismus. Pflanzenbau 10: 369-376. illus. Ap.1934. no.10.

Phytopath. (464.8P56)

Appel, O.

Vitality and vitality determination in potatoes. Phytopath. 24: 482-494. My.1934. no.5.



Phytopath. (cont.)

Baines, R. C.

Control of apple sooty blotch by May and June sprays. *Phytopath.* 24: 553-555. *My.* 1934. no.5.

Bever, W. M.

Effect of light on the development of the uredial stage of *Puccinia glumarum*. *Phytopath.* 24: 507-516. *illus.* *My.* 1934. no.5.

Burnett, G.

Stunt, a virosis of delphinium. *Phytopath.* 24: 467-481. *illus.* *My.* 1934. no.5.

Crosier, W.

Abnormal germination in dusted wheat. *Phytopath.* 24: 544-547. *illus.* *My.* 1934. no.5.

Goss, R. W.

A survey of potato scab and *Fusarium* wilt in western Nebraska. *Phytopath.* 24: 517-527. *My.* 1934. no.5.

King, C. J., Hope, C. & Eaton, E.D.

Further observations on the natural distribution of the cotton root rot fungus. *Phytopath.* 24: 551-553. *illus.* *My.* 1934. no.5.

Kunkel, L. O.

Studies on acquired immunity with tobacco and aucuba mosaics. *Phytopath.* 24: 437-466. *illus.* *My.* 1934. no.5.

McLaughlin, A. M.

A fusarium disease of *Cereus schottii*. *Phytopath.* 24: 495-506. *illus.* *My.* 1934. no.5.  
... tentatively classified as variety of *F. oxysporium*.

Miles, L. E.

*Verticillium* wilt of cotton in Greece. *Phytopath.* 24: 558-559. *My.* 1934. no.5.

Neal, D. C. & Wester, R. E.

An undescribed sclerotium fungus prevalent in northeast Texas. *Phytopath.* 24: 528-533. *illus.* *My.* 1934. no.5.

*Ozonium texanum* on cotton.



Phytopath. (cont.)

Reddick, D.

Elimination of potato blight from North America. *Phytopath.* 24: 555-557. My.1934. no.5.

Shands, H. L. & Dickson, J. G.

Variation in hyphal-tip cultures from conidia of *Helminthosporium gramineum*. *Phytopath.* 24: 559-560. My. 1934. no.5.

Wilson, E. E.

A bacterial canker of pear trees new to California. *Phytopath.* 24: 534-537. illus. My. 1934. no.5.

Causal organism not described as cultural studies are not complete.

Wilson, E. E.

Variability of *Pseudomonas cerasi* in physical characteristics of growth on solid media. *Phytopath.* 24: 548-550. illus. My. 1934. no.5.

Young, P. A.

Stem canker of hollyhock caused by *Sclerotinia sclerotiorum*. *Phytopath.* 24: 538-543. illus. My. 1934. no.5.

Arthur Bliss Seymour. January 3, 1859-March 29, 1933. *Phytopath.* 24: 576. My. 1934. no.5.

James Abraham Faris, July 27, 1890 - September 24, 1933. *Phytopath.* 24: 576. My. 1934. no.5.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Atanasoff, D.

Is bitter pit of apples a virus disease?  
*Phytopath. Zeitschr.* 7: 145-168. illus. 1934. no.2.  
"Evidence ... tends to show that bitter pit of apples is a virus disease."

Gassner, G. & Franke, W.

Der stickstoffhaushalt junger weizenpflanzen in seiner abhängigkeit von der mineralsalzernährung. Ein beitrag zum problem der rostresistenza. *Phytopath. Zeitschr.* 7: 187-222. illus. 1934. no.2.

Received of Mr. J. H. ...

the sum of ...

for ...

...

...

...

...

...

...

Phytopath. Zeitschr. (cont.)

Meurs, A.

Parasitic stemburn of Deli tobacco. Phytopath. Zeitschr. 7: 169-185. illus. 1934. no.2.

Caused by species of *Pythium* including *P. deliense* n.sp.

Wieler, A.

Durch säuren und teerige stoffe hervorgerufene aetzschäden an blattorganen. Phytopath. Zeitschr. 7: 121-144. illus. 1934. no.2.

Plant Physiology (450P692)

Bryant, A. E.

Comparison of anatomical and histological differences between roots of barley grown in aerated and in non-aerated culture solutions. Plant Physiology 9: 389-391. Ap. 1934. no.2.

Burkhardt, L.

Metabolism of etiolated seedlings as affected by ammonium nutrition. Plant Physiology 9: 351-358. Ap. 1934. no.2.

Christensen, R. J. & Samisch, R.

Effect of high frequency sound waves on oxidase activity. Plant Physiology 9: 385-386. Ap. 1934. no.2.

Davis, E. E.

Influence of thyroxin on the growth of plants. Plant Physiology 9: 377-384. Ap. 1934. no.2.

Experiments with *Vicia faba*, *Narcissus* and *Pisum sativum*.

Ezekiel, W. N., Taubenhaus, J.J. & Fudge, J. F.

Nutritional requirements of the root-rot fungus *Phymatotrichum omnivorum*. Plant Physiology 9: 187-216. illus. Ap.1934. no.2.

Gustafson, F. G.

Production of alcohol and acetaldehyde by tomatoes. Plant Physiology 9: 359-367. Ap. 1934. no.2.

Henderson, L.

Relation between root respiration and absorption. Plant Physiology 9: 283-300. illus. Ap. 1934. no.2.



Plant Physiology (cont.)

Hubbell, D. S.

Causes of blind wood in roses. *Plant Physiology* 9: 261-282. illus. Ap. 1934. no.2.

Kortesz, Z. I.

Carbon dioxide content of the gas from pea pods. *Plant Physiology* 9: 339-350. Ap. 1934. no.2.

Lipman, C. B. & Lewis, G. N.

Tolerance of liquid-air temperatures by seeds of higher plants for sixty days. *Plant Physiology* 9: 392-394. Ap. 1934. no.2.

Livingston, B. E. & Beall, R.

The soil as direct source of carbon dioxide for ordinary plants. *Plant Physiology* 9: 237-259. Ap. 1934. no.2.

Long, F. L.

Application of calorimetric methods to ecological research. *Plant Physiology* 9: 323-337. illus. Ap. 1934. no.2.

Mallery, T. D.

Comparison of the heating and freezing methods of killing plant material for cryoscopic determinations. *Plant Physiology* 9: 369-375. Ap. 1934. no.2.

Nightingale, G. T. & Mitchell, J. W.

Effects of humidity on metabolism in tomato and apple. *Plant Physiology* 9: 217-236. Ap. 1934. no.2.

Shull, C. A.

Lateral water transfer in leaves of *Ginkgo biloba*. *Plant Physiology* 9: 387-389. illus. Ap. 1934. no.2.

Street, O. E.

Carbohydrate-nitrogen and base element relationships of peas grown in water culture under various light exposures. *Plant Physiology* 9: 301-322. Ap. 1934. no.2.



Planta Arch. Wiss. Bot. (Berlin) (450P693)

Borriss, H.

Beiträge zur wachstums- und entwicklungs-  
physiologie der fruchtkörper von *Coprinus lagopus*.  
Planta Arch. Wiss. Bot. 22: 28-69. illus.  
Ap.20, 1934. no.1.

Firbas, F.

Ueber die bestimmung der walddichte und der  
vegetation walddloser gebiete mit hilfe der pollen-  
analyse. Planta Arch. Wiss. Bot. 22: 109-145.  
illus. Ap.20, 1934. no.1.

Plavsić, S.

Ein beitrage zur entstehungsgeschichte der  
quertracheiden bei den koniferen. Planta Arch.  
Wiss. Bot. 22: 23-27. illus. Ap.20, 1934. no.1.

Pringhseim, E. G.

Ueber oxytrophie bei *Chlorogonium*. Planta  
Arch. Wiss. Bot. 22: 146-148. Ap.20, 1934. no.1.

Schoch-Bodmer, H.

Zum heterostylieproblem: griffelbeschaffenheit  
und pollenschlauchwachstum bei *Fagopyrum esculentum*.  
Planta Arch. Wiss. Bot. 22: 149-152. Ap.20, 1934.  
no.1.

Silberschmidt, K.

Weitere versuche über die n-verteilung in  
pfropfungen und stecklingen. Planta Arch. Wiss.  
Bot. 22: 1-22. illus. Ap.20, 1934. no.1.

Troll, W.

Ueber den bau der rhachis und seinen einfluss  
auf die spreitenbildung von fiederblättern.  
Planta Arch. Wiss. Bot. 22: 80-108. illus. Ap.20,  
1934. no.1.

Wulff, H.D.

Lebendfärbungen mit chrysoidin. Planta  
Arch. Wiss. Bot. 22: 70-79. Ap.20, 1934. no.1.

Proc. Maryland State Hort. Soc. (81M36)

Whetzel, H. H.

Peach brown rot. Proc. Maryland State Hort.  
Soc. 36: 47-48. 1934.

Whetzel, H. H.

The story of apple scab. Proc. Maryland State  
Hort. Soc. 36: 41-44. 1934.



Proc. Nat. Acad. Sci. (500N21P)

Berry, E. W.

Miocene Patagonia. Proc. Nat. Acad. Sci.  
20:280-282. My. 1934. no.5.

Haig, C.

The effect of intensity and wave-length on the  
response of *Avena* to light. Proc. Nat. Acad.  
Sci. 20: 296-303. My. 1934. no.5.

Sargent, M. C.

Causes of color change in blue-green algae.  
Proc. Nat. Acad. Sci. 20: 251-254. My.1934. no.5.

Proc. Nova Scotian Inst. Sci. (Halifax) (517H13)

MacFarlane, C. & Bell, H. P.

Observations of the seasonal changes in the  
marine algae in the vicinity of Halifax, with  
particular reference to winter conditions.  
Proc. Nova Scotian Inst. Sci. 18: 134-176. illus.  
(maps) Ja.8, 1934. no.3.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Ravaz, L.

Un nouveau parasite de la vigne en Algérie.  
Progr. Agr. & Vitic. 101: 430. My.6, 1934. no.18.  
Undetermined ("Ce sont des sortes de sclérotés")

Rev. Fac. Agron. Univ. Montevideo. (102.5M76R)

Fernandez, R. F.

Investigaciones sobre la toxicidad del Sudan  
grass. Rev. Fac. Agron. Univ. Montevideo 8: 161-  
172. illus., fold. pl. (col.) Ja.1933.

Rev. Gén. Bot. (Paris) (45OR326)

Bouget, J. & Dusseau, A.

Sur la protection des plantes vivaces de haute  
montagne par la persistance des organes foliacés.  
Rev. Gén. Bot. 46: 193-199. Ap. 1934. no.544.

Cozic.

Etude biochemique de *Bacterium xylinum*. (cont.)  
Rev. Gén. Bot. 46: 209-228. Ap. 1934. no.544.

Seifrizz, W.

Propriétés physiques du protoplasma des  
myxomycètes. Rev. Gén. Bot. 46: 200-208. Ap.  
1934. no.544.



Rev. Gén. Bot. (cont.)

Teodoresco, E. C.

Le développement des algues et la réfrangi-  
bilité de la lumière. (cont.) Rev. Gén. Bot.  
46: 229-256. illus., pl. ix-xi. Ap.1934. no.544.

Rev. Path. Vég. & Entom. Agr. (Paris) (464.9Sol)

Arnaud, G. & Barthelet, J.

Les chancres du cédréla et du robinier.

Rev. Path. Vég. & Entom. Agr. 20: 323-332. illus.  
pl.xii-xiii. N./D. 1933. (Rec'd My.23,1934) no.9/10.

Fusicoccum cedrelae on Cedrela sinensis,  
Diaporthe oncostoma on Robinia sp.

Foex, E. & Rosella, E.

Quelques effets des gelées de printemps sur  
les céréales. Rev. Path. Vég. & Entom. Agr.  
20: 295-299. pl.xi. N./D. 1933(Rec'd My.23,1934)  
no.9/10.

Foex, E.

Sur quelques maladies observées chez la pomme  
de terre au cours de l'été 1933. Rev. Path.  
Vég. & Entom. Agr. 20: 300-309. N./D. 1933(Rec'd  
My.23,1934) no.9/10.

Schweiz. Apoth. Zeit. (396.8Sch9)

Lendner, A.

Le professeur Robert Chodat. Schweiz. Apoth.  
Zeit. 72: 253-255. port. My.19, 1934. no.20.  
1865-1934.

Science (470Sci2)

Manwaring, W. H.

Environmental transformation of bacteria.  
Science 79: 466-470. My.25, 1934. no.2056.

Thatcher, R. W.

A proposed classification of the chemical  
elements with respect to their functions in  
plant nutrition. Science 79:463-466. My. 25,  
1934. no.2056.

Zinzadzé, C.

Nutrient media with stable hydrogen-ion  
concentration. Science 79: 480-481. My 25,  
1934. no.2056.



- Science Journ. Coll. Sci. Sun Yatsen Univ. (475Su7)  
Fu, H.  
La géographie du thé. Science Journ. Coll.  
Sci. Sun Yatsen Univ. 5: 517-563. illus. (map)  
Mr. 1934. no.3.
- Scient. Agr. (Ottawa) (7Sci2)  
Davis, M. B., Hill, H. & Johnson, F. B.  
Nutritional studies with *Fragaria*. II. A study  
of the effect of deficient and excess potassium,  
phosphorus, magnesium, calcium, and sulphur.  
Scient. Agr. 14: 411-432. Ap. 1934. no.8.
- Scient. Month. (470Sci23)  
Glock, W. S.  
The language of tree rings. Scient. Month.  
38: 501-510. illus. Je.1934. no.6.
- Soil Sci. (Baltimore) (56.8So3)  
Davidson, O. W. & Shive, J. W.  
The influence of the hydrogen-ion concentration  
of the culture solution upon the absorption and  
assimilation of nitrate and ammonium nitrogen by  
peach trees grown in sand cultures. Soil Sci.  
37: 357-382. ii pl. My. 1934. no.5.
- Stahl, A. L. & Shive, J. W.  
Further studies on nitrogen absorption from  
culture solutions. II. Buckwheat. Soil Sci. 35:  
469-483. Ja.1933. no.6.
- Walker, R. H., Anderson, D. A. & Brown, P. E.  
Physiological studies on *Rhizobium*.: I. The  
effect of nitrogen source on oxygen consumption  
by *Rhizobium leguminosarum* Frank. Soil Sci.  
37: 387-400. pl. My.1934. no.5.
- Tijdschr. Plantenz. (464.8T44)  
Schreven, D. A. V.  
Uitwendige en inwendige symptomen van borium-  
gebrek bij tabak. (External and internal symptoms  
of boron deficiency in tobacco). Tijdschr. Plantenz.  
40: 113-129. pl.vi-viii. My. 1934. no.5.  
English summary: p.122-125.
- Tectona (Buitenzorg) (99.8B65)  
Eidmann, F. E.  
De kieming van den djati (*Tectona grandis* L. f.)  
Tectona 27: 233-287. illus. Ap.1934. no.4.  
German summary: p.285-287.

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

V.16, no.11, p.36.

Trans. Amer. Micros. Soc. (440.8Am33)

Taft, C. E.

Desmids of Oklahoma. II. Trans. Amer. Micros. Soc. 53: 95-101. pl. vi. Ap.1934. no.2.

Trans. Brit. Mycol. Soc. (London) (451B76)

Ciferri, R.

A few interesting North American smuts.

Trans. Brit. Mycol. Soc. 18: 257-264. Ap.30, 1934. no.4.

I. Revision of the smuts on *Bouteloua* spp.

II. On the nomenclature of *Sphacelotheca pamparum*.

III. The systematic position of *Tilletia earlei* Griff. (transferred to *Ustilago* (*U. earlei*))

Darbishire, O. V.

The Lichen fucoides of the various authors and its fate. Trans. Brit. Mycol. Soc. 18: 308-313. pl.xx-xxii. Ap. 30, 1934. no.4.

Grove, W. B. & Chester, O. G. C.

Notes on British Uredinales, including one new to the British Isles. Trans. Brit. Mycol. Soc. 18: 265-275. illus., pl.xix. Ap.30, 1934. no.4. *Uromyces sparsus*.

Kirschstein, W.

Remarks on a collection of British species of *Rosellinia* and a redistribution of the species of that genus. Trans. Brit. Mycol. Soc. 18: 302-307. illus. Ap.30,1934. no.4.

*Ceratostoma masoni* n.sp.

Ramsbottom, J.

Notes on mycological nomenclature. Trans. Brit. Mycol. Soc. 18: 314-319. Ap. 30,1934. no.4.

Sattar, A.

A comparative study of the fungi associated with blight diseases of certain cultivated leguminous plants. Trans. Brit. Mycol. Soc. 18: 276-301. illus. Ap.30, 1934. no.4.

Wilkins, W. H.

Studies in the genus *Ustilina*, with special reference to parasitism. I. Introduction, survey of previous literature and host index. Trans. Brit. Mycol. Soc. 18: 320-346. illus. Ap.30,1934. no.4.



Tree Lover (London) (99.8T712)

Balfour, F. R. S.

Conifers. II. Tree Lover (London)  
7:122-124. Ap.1934.

Trop. Natuur (410.9T75)

Coert, J. H.

Excursies in Oost-Java. 1-2. Trop.

Natuur 22: 62-68. illus. Ap. 1933; 23: 6-14,  
26-31. illus. Ja., F., 1934. no.4,1,2.

1. Naar de Baai van Popoh. 2. De Rawah Bering  
(Kediri).

Steenis, C. G. G. J. van

Determinatie-tabel voor de Nederlandsch  
Indische bladgroenlooze phanerogamen. Trop.  
Natuur. 23: 45-57. illus. Mr.1934. no.3.

Steenis, C. G. G. J. van

Verspreiding der zaden van *Lochnera rosea* (L.)  
Rchb. door mieren. Trop. Natuur 23: 31-33.  
illus. F.1934. no.2.

Steup, F. K. M.

Botanische aanteekeningen over Noord-Celebes.  
II. Trop. Natuur. 23:61-63. Ap. 1934. no.4.

Trudy Prikl. Bot., Gen. i. Selek. Ser. X. (Bull. Appl. Bot.,

Gen. & Plant-breed. X. Ser., Dendrol. & Ornam. Hort.)

(Leningrad) (451R92D)

Chernova, N. M.

Kermeki Kryma (The kermeks of the Crimea)

Trudy Prikl. Bot., Gen.i Selek. Ser. X. (Bull.  
Appl. Bot., Gen. & Plant-breed. Ser. X. Dendrol. &  
Ornam. Hort.) 1: 145-174. illus. 1933.

Russian with English summary. Staties.

Fursaev, A. D. & Beliakov, E. V.

Poimyr Volgi v prede lach nizkne-volznskogo kraia  
i ikh znachenie kak dubitelei (Willows of the sub-  
merged river valley in the lower Volga region, and  
their importance as tanning plants). Trudy Prikl.  
Bot., Gen. i Selek. Ser. X. (Bull. Appl. Bot., Gen. &  
Plant-Breed. X. Ser., Dendrol. & Ornam. Hort.) 1: 27-  
46. 1933.

Russian with English summary.



Trudy Prikl. Bot., Gen. i. Selek. Ser. X. (Bull. Appl. Bot., Gen. & Plant-breed. X. Ser., Dendrol. & Ornam. Hort.) (cont.)  
Iakimov, P. A. & Ul'man, K. E.

Symakh i skumpiia, kak tannidnye rasteniia (The sumach and the scumpia as tanning plants). Trudy Prikl. Bot., Gen. i. Selek. Ser. X. (Bull. Appl. Bot., Gen. & Plant-breed. X. Ser., Dendrol. & Ornam. Hort.) 1: 55-68. 1933.

Russian with English summary. *Rhus Cotinus*, *R. coriaria*.

Kern, E. E.

K biologii probkonosnykh berestov (The cork elm) Trudy Prikl. Bot., Gen. i Selek. Ser. X. (Bull. Appl. Bot., Gen. & Plant-breed. X. Ser., Dendrol. & Ornam. Hort.) 1: 197-200 illus. 1933.

Russian.

Kern, E. E.

Ob ivakh Leningradskoi oblasti (On the willows of the Leningrad region) Trudy Prikl. Bot., Gen. i selek. Ser. X. (Bull. Appl. Bot., Gen. & plant-breed. X. Ser., Dendrol. & Ornam. Hort.) 1: 47-54. 1933.

Russian with English summary.

Novopokrovskii, I. V., Veselovskii, V. P. Y Gusev, V.P.

Iz vlechenie iz otcheta ekspeditsii po obsledovaniiu skumpii na severnom Kavkaze (Report of the expeditions to investigate the conditions of growth and cultivation of the scumpia in the northern Caucasus). Trudy. Prikl. Bot., Gen. i Selek. Ser. X. (Bull. Appl. Bot., Gen. & Plant-Breed. X. Ser., Dendrol. & Ornam. Hort.) 1: 97-126. 1933.

Russian with English summary.

Sobenevskii, K. E.

Probkovyi berest (The cork elm). Trudy Prikl. Bot., Gen. i Selek. Ser. X. (Bull. Appl. Bot., Gen. & Plant-breed. X. Ser., Dendrol. & Ornam. Hort.) 1: 201-215. 1933.

Russian with brief English summary. *Ulmus campestris* var. *suberosa*.

Fasil'ev, V. F., Pegova, A.A. & Pupkova, V. I.

Skumpiia i sumakh kak dubil'nye rasteniia (The scumpia and the sumach as tanniferous plants). Trudy Prikl. Bot., Gen. i Selek. Ser. X, (Bull. Appl. Bot., Gen. & Plant-breed. X.Ser. Dendrol. & Ornam. Hort.) 1: 69-96. illus. 1933.

Russian with English summary.

THE [illegible]

[illegible text]

[illegible text]

V.16, no.11, p.39.

U. S. Dept. Agr. Techn. Bull. (1Ag84Te)

Garner, W. W., Bacon, C. W., Bowling, J. D.  
& Brown, D. E.

The nitrogen nutrition of tobacco. U. S.  
Dept. Agr. Techn. Bull. 414. 77 p. illus.  
Ap. 1934.

U. S. Dept. Agr. Miscellaneous mimeographed publications.

Beattie, J. H.

Do the phases of the moon affect plant growth?  
Washington, D. C., Ap.1934.

Mimeographed publication from Div. of fruit and  
vegetable crops and diseases, Bur. of plant indus-  
try, U.S. Dept. of agriculture.

Humsden, D. V.

The poinsettia. Washington, D. C., My.1934.

Mimeographed publ. from Div. of fruit and vege-  
table crops and diseases, Bur. of plant industry.  
U.S. Dept. of agriculture.

Vierteljahrsschr. Naturf. Ges. Zürich. (508Z8)

Däniker, A. U.

Ergebnisse der reise von Dr. A.U. Däniker  
nach Neu-Caledonien und den Loyalty-Inseln (1924/6)  
4. Katalog der Pteridophyta und embryophyta  
siphonigama. (cont.) Vierteljahrsschr. Naturf.  
Ges. Zürich Beibl. 19. 78: 339-395. D.31,1933.

Watson's Micros. Rec. (London) (440.8W33)

Harris, G. T.

The Oedogoniales. II. Watson's Micros. Rec.  
32: 8-10. pl. ii. My.1934.

Meakin, S. H.

Mounting diatoms. Watson's Micros. Rec.  
32: 14-17. My.1934.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Elssmann, E.

Bekämpfung der Septoria-blattfleckenkrankheit  
des sellerie. Mehrjährige spritzversuche mit kupfer-  
brühen. (concl.) Zeitschr. Pflanzenkr. 44:209-  
222. My.1934. no.5.

Zeitschr. Wiss. Mikros. (Leipzig) (440.8Z3)

Küster, E.

Untersuchung von zellsaft und lebendem proto-  
plasma pflanzlicher zellen in paraffinöl. (Beiträge  
zur zellenphysiologischen methodik. III) Zeitschr.  
Wiss. Mikros. 50: 208-312. N.1933. no.2.



V.16, no.11, p.40.

Zeitschr. Wiss. Mikros. (cont.)

Küster, E.

Ueber farbung lebenden protoplasmas von pflanzenzellen mit prune pure. (Beiträge zur zellen-physiologischen methode IV) Zeitschr. Wiss. Mikros. 50: 409-418. illus. My.1934. no.4.

Lauche, A.

Erkennung verholzter elemente durch eine einfache doppelfärbung in glyzerinpräparaten. Zeitschr. Wiss. Mikros. 50: 428-429. My.1934. no.4.

Pfeiffer, H.

Ueber die auflechtsmikroskopische isolierung von protoplasten pflanzlicher blattparenchyme. I. Beschaffung und untersuchung mechanisch entblösster protoplasten. Zeitschr. Wiss. Mikros. 50: 429-436. illus. My.1934. no.4.

Der Züchter (Berlin) (442.8Z8)

Stephan, J.

Ein beiträg zum formengemisch der Serradellabestände Ostpreussens. Der Züchter 6: 83-86. illus. Ap. 1934. no.4.

Veh, R. v.

Zur frage nach dem wissenschaftlichen nachweis einer cytologisch bedingten ei- und zygotensterilität bei triploiden apfelsorten. Der Züchter 6: 86-88. illus. Ap.1934. no.4.

Exp. Stat. Publ.

Dunlap, A. A. & Turner, N.

Potato spraying. Connecticut Agr. Exp. Stat. Circ. 102:66-72. illus. My. 1934. (100C76St)

Pridham, A. M. S.

History, culture, and varieties of summer-flowering phloxes. Cornell Agr. Exp. Stat. Bull. 588. 32 p. illus. Mr.1934. (100N48C)

Honeywell, E. R.

Aster culture. Indiana Agr. Exp. Stat. Circ. 200. 20p. illus. O. 1933 (100In2P)

New Jersey agricultural experiment station - Dept. of plant pathology.

The status of the Dutch elm disease. In its Nursery Dig. Notes 6: 41-44, 45-47. My., Je. 1934.. (464.9W46)



Exp. Stat. Publ. (cont.)

Nightingale, G.T. & Blake, M. A.

Effects of temperature on the growth and composition of Stayman and Baldwin apple trees.  
New Jersey Agr. Exp. Stat. Bull. 566. 20 p.  
Ap.1934. (100N46S)

Horsfall, J. G., Newhall, A. G. & Guterman, C. E. F.

Dusting miscellaneous seeds with red copper oxide to combat damping-off. New York Agr. Exp. Stat. Bull. 643. 39 p. illus. F.1934. (100N48)

Kertesz, Z. I. & Horsfall, J. G.

What root-rot does to the quality of peas.  
New York Agr. Exp. Stat. Circ. 141. 3p. illus.  
Mr.1, 1934. (100N48)

Rankin, W. H.

Raspberry mosaic control in the Hudson Valley.  
New York Agr. Exp. Stat. Circ. 142. 4 p. Mr.1,  
1934. (100N48)

Ruttle, M. L.

Studies on barley smuts and on loose smut of wheat. New York Agr. Exp. Stat. Techn. Bull. 221  
38 p. illus. F.1934. (100N48)

Smuck, A. L.,

Some factors influencing the germination of lettuce seed in seed laboratory practice. New York Agr. Exp. Stat. Techn. Bull. 222. 21 p. illus. F.1934. (100N48)

Van Eseltine, G. P.

Ornamental apples and crabapples. New York Agr. Exp. Stat. Circ. 139. 13 p. illus. (col.)  
Ja. 1, 1934. (100N48)

Frear, D. E. H. & Haley, D. E.

A simplified method for the rapid determination of lead residues on apples. Penn. Agr. Exp. Stat. Techn. Bull. 304. 8 p. illus. Mr. 1934. (100P381)

New Books.

Andreadis, T. B. & Toole, E. J.

... Étude sur la repartition de la nicotine et des autres composés azote dans le tabac. 1. pte.  
Drama, 1933. (69L623)



New Books (cont.)

Bonnier, G. & Douin, R.

Flore complète illustré et en couleurs de France  
... Suisse et Belgique. v.12, fasc. 118. Paris,  
[1934] (f<sup>o</sup> 459B64)

Bukasov, S. M.

Kartofeli Iuzhnoi Ameriki i ik selektsionnoe ispo-  
l'zovanie (The potatoes of South America and their  
breeding possibilities). Leningrad, Institut ras-  
tenievodstva, 1933. (Prilozhenie 58e k Trudy obo  
prikladnoi botanike, genetike i selektsii) (75P86P)

Russian with English summary. According to data  
gathered by the Institute of plant industry expeditions  
to Central and South America.

Dorff, P.

Die Eisenorganismen, Systematik und Morphologie.  
Jena, G. Fischer, 1934 (Pflanzenforschung hrsg. von  
R. Kolkwitz heft 16) (463.3K83P)

Galløe, O.

Natural history of Danish lichens. pt. IV.  
Copenhagen, H. Aschehoug, 1932 (461.5G13W)

Goujon, G.

Les relations entre la végétation française et  
le climat. Paris, 1932 Memorial de l'office national  
météorologique de France no.23) (459.G722)

Guillaumin, A.

Les fleurs de jardins v.3. Les fleurs d'été II.  
Paris, P. Lechevalier, 1934 (Encyclopédie pratique  
du naturaliste XVII) (97G943)

Kimmich, F.

Untersuchungen über wichtige Wertmerkmale an  
den durch Schädlingsbefall ihrer Nachbarn begün-  
stigten Getreidepflanzen mit einem Beitrag über  
die Grösse des Fritfliegenschadens und verschie-  
denen Hafersorten. Pflanzingen-Stuttgart, Druck  
von F. Find söhne, 1933. (464.02K57)

Inaug.-diss. Württemb. Landw. Hochschule  
Hohenheim.



New Books (cont.)

Kuleshov, N. N. ed.

Gibel ozimnykh khlebov i meropriiatiia po ee preduprezhdeniiu (The perishing of winter cereals and preventative measures). Leningrad, Vsesoiuznyi institut prikladnoi botaniki i novykh kul'tur, 1929, (Prilozhenie 34e k Trudam po prikladnoi botanike, genetike i selektsii) (59K95)

Russian. A conference, with contributions by various authors.

Long, H. C.

Weed suppression by fertilizers and chemicals  
Hook, Surbiton, Surrey, The author, Mr. 1934. (79L85W)

Manning, J. W.

The plant buyers index 1934 supplement.  
Duxbury, Mass., J. W. & E. G. Manning, 1934. (90.21M312)

Nakai, T.

Flora sylvatica koreana par XX. Bambuseae, Myricaceae, Juglandaceae, Magnoliaceae. Keijyo, Japan, D.1933. (460.15N14)

Sprecher von Bernegg, A.

Tropische und subtropische weltwirtschaftspflanzen... 3. teil: Genusspflanzen. I. bd. Kakao und kola. Stuttgart, F. Enke, 1934. (452.8Sp7)

Nord, F. F. & Weidenhagen, R. eds.

Ergebnisse der enzymforschung. v.3. Leipzig, Akademische verlags gesellschaft, 1934. (390Er3)

Wasicky, R. & Oeriu, S.

Ueber die rinde von *Ailanthus glandulosus* Desf. und den aus ihr isolierten bitterstoff ailanthin. Wien, Buchdruckerei, B. Bartelt, 1933. (Pamph.463.2W)  
Sonderabdruck aus der "Pharmazeutischen presse Wissenschaftlich-praktisches heft, Oktober, 1933.

Wirth, H.

Beiträge zur physiologie von *Rhizopus nigrocans*. [München?, 1932] (462.82W96)

Correction

v.16, no.4, p.6.

Under Bot. Mag. Tokyo, the first word in title of article should be Genetical



# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY  
RECEIVED

★ JUL 2 - 1934 ★  
U. S. Department of Agriculture

Vol. 16, no. 12.

Jc.4-16, 1934.

Agr. & Live-stock, India (Calcutta) (22Ag83A)  
Khan, A. R. & Akhtar, A. R.

The inheritance of petal colour in gram (*Cicer arietinum* Linn.) Agr. & Live-stock, India  
4: 127-155. col.pl. xvii-xviii. Mr. 1934. no.2.

Amer. Journ. Bot. (450Am36)  
Brossman, E. N.

Inheritance of sex in certain seed plants.  
Amer. Journ. Bot. 21: 328-349. illus. Je.1934.  
no.6.

Lohman, M. L.

*Lophiosphaera* (*Glonium*) *velata*, with a critical  
study of its *Septonema multiplex* stage. Arjer.  
Journ. Bot. 21: 314-327. illus.,pl. Jc. 1934.  
no.6.

Moyer, L. S.

Species relationships in *Euphorbia* as shown  
by the electrophoresis of latex. Amer. Journ.  
Bot. 21: 293-313. illus. Je. 1934. no.6.

Amer. Journ. Pharm. (Philadelphia) (396.8Am3)  
Hoch, J. H.

The legend and history of *Passiflora*.  
Amer. Journ. Pharm. 106: 166-170. My.1934. no.5.

Youngken, H. W.

A comparative study of the seeds and spikes  
of certain caulescent species of *Plantago*. Amer.  
Journ. Pharm. 106: 157-165. illus. My. 1934.  
no.5.

Angew. Bot. (Berlin) (450An4)  
Kotte, W.

Die aufgabe der phytopathologie beim aufbau  
der türkischen landwirtschaft. Angew. Bot.  
16: 187-201. illus. Mr./Ap.1934. no.2.



Angew. Bot. (cont.)

Lakon, G.

Der einfluss der spelzen auf die keimung von  
*Triticum spelta* L. Angew. Bot. 16: 201-206.  
Mr./Ap. 1934. no.2.

Loew, O.

Ueber die bildung von eiweiss in den pflanzen.  
(cont.) Angew. Bot. 16: 219-220. Mr./Ap. 1934.  
no.2.

Scheibe, A.

Die schoss- und reifeperiode des hafers in  
ihrer abhängigheit von der physiologischen konsti-  
tution des saatgutes. Angew. Bot. 16: 105-136.  
Mr./Ap. 1934. no.2.

Stapp, C.

Prüfungen von busch- und stangenbohnen auf  
widerstandsfähigkeit gegen den bakteriellen  
erreger der fettfleckenkrankheit. Angew. Bot.  
16: 207-218. illus. Mr./Ap. 1934. no.2.

Voss, J.

Keimungsphysiologische untersuchungen an  
weizensorten. Angew. Bot. 16: 137-186. illus.  
Mr./Ap. 1934. no.2.

Ann. Univ. Stellenbosch (Capetown) (515St3)

Byl, P. A. van der

Die Suid-Afrikaanse Hydnaceae of stekelswamme.  
Ann. Univ. Stellenbosch v.12,A, no.1. 9 p. 3 pl.  
Ap. 1934.

Ann. Bryol. (450An73)

Evans, A. W.

A revision of the genus *Acromastigum*. Ann.  
Bryol. v.3, Suppl. 178 p. illus. 1934.

Ann. Ecole Nat. Agr. Montpellier (105.3M76)

Kuhnoltz-Lordat, G.

L'association a *Ammophila arundinacea* et  
*Medicago marina* Br.-Bl., n'existe pas. Ann.  
Ecole Nat. Agr. Montpellier 23: 57-60. [1934]  
no.1.

Ann. Missouri Bot. Gard. (St.Louis) (451M69)

Berkley, E. E.

Certain physical and structural properties of  
three species of southern yellow pine correlated  
with the compression strength of their wood.  
Ann. Missouri Bot. Gard. 21: 241-338. pl.9-13.  
Ap. 1934. no.2.



Ann. Missouri Bot. Gard. (cont.)

Berkley, E. E.

*Poria cocos* (Schw.) Wolf, found on a railroad tie in service. Ann. Missouri Bot. Gard. 21: 339-342. pl.14. Ap. 1934. no.2.

Moore, M.

A new *Geotrichum* from a bronchial and pulmonary infection, *Geotrichum versiforme*, Moore, n.sp. Ann. Missouri Bot. Gard. 21: 349-366. pl.15-16. Ap.1934. no.2.

Moore, M.

*Posadasia pyriformis* and *P. capsulata*, two causative organisms of Darling's Histoplasmosis in the United States. Ann. Missouri Bot. Gard. 21: 347-348. Ap. 1934. no.2.

Williams, L.

Field and herbarium studies. III. Ann. Missouri Bot. Gard. 21: 343-346. Ap. 1934. no.2.

*Polygonium minutissimum*, *Aquilegia piersonianana*, *Pentstemon acaulis* n.spp.

Wynd, F. L.

The effects of increasing the iodine content of the tomato plant on respiration and enzymatic activity. Ann. Missouri Bot. Gard. 21: 367-432. pl. 17. Ap. 1934. no.2.

Zeller, S. M.

Protogaster, representing a new order of the gasteromycetes. Ann. Missouri Bot. Gard. 21: 231-240. pl.7-8. Ap. 1934. no.2.

Ann. Rep. Cacao Res. Trinidad (68.39G11)

Cheesman, E. E. & Pound, F. J.

Further notes on criteria of selection in cacao. Ann. Rep. Cacao Res. Trinidad 3: 21-24. 1934.

Pound, F. J.

A preliminary survey of pigment factors in cacao. Ann. Rep. Cacao Res. Trinidad 3: 11-15. 1934.

Pound, F. J., & Vertcuil, J. de.

Studies of fruitfulness in cacao. IV. An experiment designed to test the gross effects of applications of nitrogen, potassium and phosphorus... Ann. Rep. Cacao Res. Trinidad 3: 28-32. 1934.



Ann. Rep. Cacao Res. Trinidad (cont.)

Pound, F. J.

The variability of budded cacao. Ann. Rep. Cacao Res. Trinidad 3: 15-21. 1934.

Pyke, E. E.

The vegetative propagation of cacao III-V. Ann. Rep. Cacao Res. Trinidad 3: 4-11. illus., pl.iii. 1934.

III. Observations on varietal differences in the rooting behaviour of cacao cuttings. IV. Propagation by softwood cuttings under estate conditions. V. Notes on the dimorphic branching habits of cacao.

Pound, F. J.

The progress of selection, 1933. Ann. Rep. Cacao Res. Trinidad 3: 25-28. col.pl.i-ii. 1934.

Ann. Rep. Walt. & Eliza Hall Fellowsh. Econ. Biol. Queensl. Univ. (428Q3)

Hardy, G. H.

A brief survey of investigations on banana top and aphids. Ann. Rep. Walt. & Eliza Hall Fellowsh. Econ. Biol. Queensl. Univ. 11(1931/32): 21-27. [1932?]

Mimeographed.

Arch. Suikerind. Nederl. Indië (Meded) (Soerabaja) (65.8Ar2)  
Rünke, C.L. jr.

Saccharum-Erianthus bastaarden. Arch. Suikerind. Nederl. Indië 1934, v.2 (Meded.7): 211-263. illus., v pl. 1934.  
S. officinarum & E. sara.

Beih. Bot. Centralbl. Abt. A. (Dresden) (450B65B)

Leuthold, P.

Beiträge zur morphologie und keimungsphysiologie von Telfairia pedata Hook. Beih. Bot. Centralbl. Abt. A, 52: 148-204. illus. Ap.1934. no.1.

Pia, J.

Die kalkbildung durch pflanzen. Beih. Bot. Centralbl. Abt.A, 52: 1-72. ii pl. Ap. 1934. no. 1.

Wenzl, H.

Bodenbakteriologische untersuchungen auf pflanzensoziologischer grundlage. I. Das vorkommen von Azotobacter chroococcum in den hygrophyten-, halophyten- und steppengesellschaften am Neusiedler See. Beih. Bot. Centralbl. Abt.A, 52: 73-147. illus. Ap.1934. no.1.



Beitr. Biol. Pflanz. Cohn (Breslau) (450C66)

Berger, F.

Das Verhalten der heufieber-erregenden Pollen im filtrierten ultravioletten Licht. I. Mitteilung zur Lumineszenzanalyse der Pollen. Beitr. Biol. Pflanz. Cohn 22: 1-12. illus. Ap.1, 1934. no.1.

Ivanow, S. & Michalowsky, M. I.

Die Regelmässigkeit in den Richtungen von Arealaxen der Wildpflanzen in Eurasien. Beitr. Biol. Pflanz. Cohn 22: 91-101. Ap.1, 1934. no.1.

Moritz, O.

Die botanische Serologie. Beitr. Biol. Pflanz. Cohn 22: 51-90. illus. Ap.1, 1934. no.1.

Schubert, K.

Ueber Temperaturmessungen an der Blüte von *Vinca minor*. 2. Beitr. Biol. Pflanz. Cohn 22: 25-50. Ap.1, 1934. no.1.

Zechmeister, L. & Tuzson, P.

Das Pigment der *Cucurbita maxima* Duch. (Riesenkürbis). Ber. Deut. Chem. Ges. 67: 824-828. My.9, 1934. no.5.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y. & others.

Untersuchungen über Flechtenstoffe. XXXVIII-XLI. Ber. Deut. Chem. Ges. 67: 766-773, 799-803, 804-805, 805-811. My.9, 1934. no.5.

XXXVIII. Ueber die Proto-cetrarsäure und ihre Alkyläther. XXXIX. Ueber eine neue Flechtensäure, die Nor-stictinsäure, und das Vorkommen von  $C_2$ -arabitol in den Flechten. XL. Ueber das Vorkommen von volemit in den Flechten. XLI. Ueber die Konstitution der Physodsäure (1).

Biochem. Journ. (London) (382B52)

Raistrick, H., Robinson, R. & Todd, A. R.

Studies in the Biochemistry of Micro-organisms. XXXVII. (a) On the production of hydroxyanthraquinones by species of *Helminthosporium*. (b) Isolation of tritispurin, a new metabolic product of *Helminthosporium tritici-vulgaris* Nisikado. (c) The molecular constitution of catenarin.



Biochem. Zeitschr. (Berlin) (384B522)

Zacharowa, T. M.

Ueber oxydationsvorgänge in den nadeln der  
*Picea excelsa* im winter. Biochem. Zeitschr.  
270: 281-290. My.10, 1934. no.4/6.

Biol. Medd. K. Danske Vidensk. (København) (442.9D23)

Mortensen, T. & Rosenvinge, L. K.

Sur une nouvelle algue, *Coccomyxa astericola*,  
parasite dans une astérie. Biol. Medd. K.  
Danske Vidensk. v.10, no.9. 8 p. illus.  
1933.

Biol. Sci. Bull. Univ. Arizona (442.9Ar4)

Stockwell, W. P. & Breazeale, L.

Arizona cacti. Biol. Sci. Bull. Univ.

Arizona no.1. 116 p. illus., 3 col.pl. Ap.1,  
1933 (University of Arizona Bulletin v.4, no.3)

[Biull.] Vses. Inst. Tabachn. Promyshl. Krasnodar (69.9K86)

Khaimovich, M. S.

Polevye i mikroskopicheski naliūdeniia nad  
"montarnoi" bolezniū tabaka (Field and microscop-  
ic observations on the "mantar" disease of tobacco  
[Biull.] Vses. Inst. Tabachn. Promyshl. Krasnodar  
110: 225-230. pl. 1934.

Russian with English summary. Preliminary communi-  
cation.

Sterility virus.

Kosmodem'ianskii, V. N.

Teterozis, kak faktor povysheniia urozhainosti  
tabaka [Heterosis as a factor increasing the yield  
of the tobacco crop] [Biull.] Vses. Inst. Ta-  
bachn. Promyshl. Krasnodar 110: 147-160. 1934.

Russian with English summary.

Kosmodem'ianskii, V. N.

Vliianie foto-periodicheskoi stimuliatsii na  
tabachnoe rastenie (The influence of photoperiodic  
stimulation on the tobacco plant: [Biull.] Vses.  
Inst. Tabachn. Promyshl. Krasnodar 110: 160-170.  
1934.

Russian with English summary.

Palamarchuk, A. I. & Bogorodskii, M. A.

K voprosu o nasledovanii nekotorykh priznakov  
y *Nicotiana tabacum* L. (Studies in the heredity  
of some characters in *Nicotiana tabacum* L.)  
[Biull.] Vses. Inst. Tabachn. Promyshl. Krasnodar  
110: 43-77. 1934.

Russian with English summary.



[Biull.] Vses. Inst. Tabachn. Promyshl. Krasnodar (cont.)  
Palamarchuk, A. I. & Iarkin, S. A.

Materialy po izucheniiu zheltolistyky (tipa  
White Burley) sortov tabaka i gibridov s nimi.

[Biull.] Vses. Inst. Tabachn. Promyshl. Krasnodar  
110: 79-115. incl. plates. 1934.

Russian.

Palamarchuk, A. I. & Bogorodskii, M. A.

Perekrestnoe opylenie i ego vliianie na geno-  
tipicheskaa sostav populatsii gibridov (Cross  
pollination and its influence on the genotypical  
composition of hybrid populations) [Biull.] Vses.  
Inst. Tabachn. Promyshl. Krasnodar 110: 5-43.  
incl. plates. 1934.

Russian with English summary.

Sarana, M. O.

Amfidiploidnyi pobeg  $F_1$  glauca - tabacum (The  
amphidiploid combination in  $F_1$  glauca - tabacum)

[Biull.] Vses. Inst. Tabachn. Promyshl. Krasnodar  
110: 221-224. illus. 1934.

Preliminary communication.

Russian with English summary.

Sarana, M. O.

Materialy po kariologii roda Nicotiana (On  
the karyology of the genus Nicotiana) [Biull.] Vses.  
Inst. Tabachn. Promyshl. Krasnodar 110: 179-186.  
iii pl. 1934.

Russian with English summary. Preliminary report.

Sarana, M. O.

Tsitogenetika  $F_1$  mezhdvidovykh gibridov N.ta-  
bacum x N. glauca i N. tabacum x N. sylvestris.  
(Cytogenetics of  $F_1$  interspecific hybrids...)

[Biull.] Vses. Inst. Tabachn. Promyshl. Krasnodar  
110: 191-210. vii pl. 1934.

Russian with English summary.

Mezhdvidovaa gibridizatsiia u tabaka. Soob-  
shcheni 1-oe (Interspecific hybrids of tobacco.  
1. report)

Schmunk, A. & others.

Sbornik rabot po khimii tabaka IV-V. [Biull.]  
Vses. Inst. Tabachn. Promyshl. Krasnodar no.104.  
145 p. 1933; no.109. 106 p. 1934.

In Russian with generally very brief English  
summaries.



[Biull.] Vses. Inst. Tabachn. Promyshl. Krasnodar (cont.)  
Zhukov, N. I.

Vliianie luchei rentgena na yskhozhest i energiiu prorstaniia tabachnyky semian (Influence of X-rays on the rate and percentage of germination of tobacco seed). [Biull.] Bses. Inst. Tabachn. Promyshl. Krasnodar 110: 171-178. illus. 1934.  
Russian with English summary.

Blumen u. Pflanzenb. (Berlin) (80B623)

Herele, R.

Einflussdes lichtetes auf keimung und blüte.  
Blumen u. Pflanzenb. 38: 255. illus. My.18, 1934.  
no.20.

Bol. Agr. Min. Industr. Colombia (9.4In22)

Arbelaez, E. P.

Plantas medicinales más usadas en Bogotá.  
Bol. Agr. Min. Industr. Colombia 32. 112 p.  
illus. Ap. 1934.

Bol. Agr. São Paulo. (9.2Sa63)

Azzi, R.

A podrodão radicular, a méla e a ferrugem ou mildiú do fumo. Bol. Agr. São Paulo 33: 395-414. 1932. no.1.

Decker, S.

A roseira, Sua origem e sua importancia ethica e ethnica. Bol. Agr. São Paulo 33: 432-491. 1932. no.1.

Hoehne, F. C.

As plantas ornamentaes da flora brasilica e seu papel como factores da salubridade publica, da esthetica urbana e artes decoratives nacionaes. (cont.) Bol. Agr. São Paulo 33: 492-515. illus. col.pl. 1932. no.1.

Hoehne, F. C.

Contribuição para o conhecimento do genero Catasetum Rich. e especialmente o hermaphroditismo e trimorphismo das suas flôres. Bol. Agr. São Paulo 33: 133-196. illus., col.pl. 1932. no.1.

Boll. R. Staz. Patol. Veg. Roma (Firenze) (464.9B662)

Curzi, M.

Il mal del piombo da necrosi e carie del legno in Italia. Boll. R. Staz. Patol. Veg. Roma n.s., 13: 566-590. illus., pl.xxxii. 1933. no.4.  
Brief English summary: p.587-588.



Boll. Sez. Ital. Soc. Intern. Microbiol. (Milano) (448.3Sol)  
Curzi, M.

Le Stereum purpureum Pers. comme cause de la  
maladie du plomb des pruniers et des pechers en  
Italie. Boll. Sez. Ital. Soc. Intern. Microbiol.  
6: 87-90. Mr.1934. no.3.

Passalacqua, T.

Expériences de vaccination sur le Pelargonium  
zonale. Boll. Sez. Ital. Soc. Intern. Microbiol.  
6: 83-87. Mr.1934. no.3.

Bot. Mag. Tokyo (450B651)

Emoto, Y.

Ueber die in Japan noch nicht bekanten  
myxomyceten. IV. Bot. Mag. Tokyo 48: 206-209.  
illus. Mr.1934. no.567.

Japanese with German résumé.

Miki, S.

On the sea-grasses in Japan. III. General  
consideration on the Japanese sea-grasses. Bot.  
Mag. Tokyo 48: 171-178. Mr.1934. no.567.

Satake, Y.

On the systematic importance of the vascular  
course in the cone scales of the Japanese Taxodia-  
ceae. (Preliminary report). Bot. Mag. Tokyo 48:  
186-205. illus. Mr.1934. no.567.

Japanese with English résumé.

Sato, M. M.

A bibliographical monograph on Japanese lichens.  
V. Bot. Mag. Tokyo 48: 210-215. Mr. 1934. no.567.  
Japanese.

Yasui, K.

Genetical studies in Zea mays L. Bot. Mag.  
Tokyo 48: 179-185. Mr. 1934. no.567.

Japanese.

Broteria Cienc. Nat. (Lisboa) (410B79C)

Pau, C.

Una visita a Mallorca. Broteria Cienc. Nat.  
3: 56-65. My.1, 1934. no.2.

Rick, J.

Monographia thelephoracearum resupinatarum  
riograndensium. (cont.) Broteria Cienc. Nat.  
3: 66-80. My.1, 1934. no.2.



Bull. Imp. Inst. Gt. Brit. (London) (26G79)

Artemisia plants from the coasts of England and Wales. Bull. Imp. Inst. Gt. Brit. 32: 33-41. Ap. 1934. no.1.

Bull. Mens. Soc. Nat. Hort. France. (Paris) (86Sol13)  
Barthelet, J.

Sur une pourriture des fruits à pépins, Phacidiella discolor (Mout. et Sacc.), Poteb. Bull. Mens. Soc. Nat. Hort. France 1: 162-163. Ap. 1934.

Phacidiopycnis malorum, pycnidial stage.

Essai de classification des variétés de dahlia. Bull. Mens. Soc. Nat. Hort. France 1: 160-162. Ap. 1934.

Bull. Misc. Inform. Kew (London) (89K51B)

Kew. Royal gardens.

Contributions towards a flora of British North Borneo. IV. Bull. Misc. Inform. Kew 1934: 119-124. 1934. no.3.

Bower, F. O.

Sidney Howard Vines. Bull. Misc. Inform. Kew 1934: 134-135. 1934. no.3.

Hill, A. W.

Dukinfield Henry Scott. Bull. Misc. Inform. Kew 1934: 128-133. 1934. no.3.

Howes, F. N.

Early introduction of sisal to East Africa. Bull. Misc. Inform. Kew 1934: 137. 1934. no.3.

Hubbard, C. E.

Gramineae australienses. I. A new genus from southern Queensland. [Homopholis (H. besonii)] Bull. Misc. Inform. Kew 1934: 126-128. 1934. no.3.

Kew. Royal gardens.

Decades kewenses. Plantarum novarum in herbario. Horti regii conservatarum. Decas CXXX. Bull. Misc. Inform. Kew 1934: 99-107. 1934. no.3.

Kew. Royal gardens

Notes on African grasses. XV. Bull. Misc. Inform. Kew 1934: 107-119. 1934. no.3.



Bull. Misc. Inform. Kew. (cont.)

Sandwith, N. Y.

Contributions to the flora of tropical America.  
X IX, *Eugenia aeruginea* DC., a misidentified type  
specimen. Bull. Misc. Inform. Kew. 1934: 124-126.  
1934. no.3.

Skottsberg, C.

Notes on *Orthothylax*. Bull. Misc. Inform. Kew  
1934; 97-99. illus. 1934. no.3.

Sprague, T. A. & Fischer, C.E.C.

The validation of new combinations by indirect  
citation of the synonyms concerned. Bull. Misc.  
Inform. Kew 1934: 136-137. 1934. no.3.

New combinations under *Cymbopogon* & c. published  
by Dr. W. Watson in Atkinson's *Gazetteer* of the  
North-western provinces of India, 392 (1882) and  
not listed in *Index kewensis*.

Bull. Sci. Pharm. (Paris) (396.8B872)

Gillot, P. & Tucakov, Y.

Contribution à étude de quelques tanins.  
Bull. Sci. Pharm. 41: 257-264. My. 1934. no.5.

Giroux, J. & Susplugas, J.

Morphologie externe du *Grindelia robusta* Nutt.  
Bull. Sci. Pharm. 41: 265-269. illus. My. 1934.  
no.5.

Bull. Soc. Hist. Nat. Toulouse (505T64)

Braun-Blanquet, J.

Analyse pollinique et période xérothermique  
dans les Cévennes méridionales. Bull. Soc. Hist.  
Nat. Toulouse 65: 327-341. illus. Je.30,1933.  
no.2.

Chalaud, G.

Observations sur *Scapania subalpina* (Nees)  
Dum. d'Ax-les-Thermes (Ariège). Bull. Soc. Hist.  
Nat. Toulouse 65: 469-478. illus. S.30,1933.  
no.3.

Notes bryologiques V.

Dop, P.

Pélorie d'*Ajuga chamaepitys* symétrie florale  
et forme de l'inflorescence. Bull. Soc. Hist. Nat.  
Toulouse 65: 365-366. Je.30, 1933. no.2.

Dop, P. & Pindat, J.

Structure des glandes de *Clerodendron foetidum*.  
Bull. Soc. Hist. Nat. Toulouse 65: 367-368. Je.30,  
1933, no.2.



Bull. Soc. Hist. Nat. Toulouse (cont.)

Dop, P.

Les Symphorémoidées de l'Indochine. Bull.  
Soc. Hist. Nat. Toulouse 65: 635-640. D.30,  
1933. no.4.

Evreinoff, V. A.

Sur la botanique et la propagation de l'  
amandier. Bull. Soc. Hist. Nat. Toulouse 65:  
280-292. Je.30, 1933. no.2.

Flous, F. & Gaussen, H.

Flore des Pyrénées, genre *Thalictrum*. Bull.  
Soc. Hist. Nat. Toulouss 65: 49-119. illus.  
Mr.30, 1933. no.1.

Flous, F.

Les pins montagnards et subalpins des Pyrénées.  
Bull. Soc. Hist. Nat. Toulouse 65: 299-308. illus.  
iii pl. Je.30, 1933. no.2.

Gaussen, H.

A propos de la période xérothermique.  
Bull. Soc. Hist. Nat. Toulouse 65: 342-353.  
Je.30, 1933. no.2.

Gaussen, H.

Introduction a la flore des Pyrénées. Bull.  
Soc. Hist. Nat. Toulouse 65: 27-48. illus. (map)  
Mr.30, 1933. no.1.

Labia, M.

Contribution à l'étude biologique de la végé-  
tation littorale du Golfe de Gascogne. Bull. Soc.  
Hist. Nat. Toulouse 65: 494-505. S.30, 1933. no.3.

Martin-Sans, E.

Additions à la flore mycologique des Pyrénées.  
Bull. Soc. Hist. Nat. Toulouse 65: 482-493. S.30,  
1933. no.3.

Martin-Sans, E.

Deux discomycètes nouveaux pour les Pyrénées.  
Bull. Spc. Hist. Nat. Toulouse 65: 133-137. Mr.30,  
1933, no.1.

*Cyathipodia platypodia*, *Coryne ianthina*.

Martin-Sans, E. & Courthiadé, P.

Sur la structure anatomique de quelques hybri-  
des de vigne. Bull. Soc. Hist. Nat. Toulouse 65:  
479-481. S.30, 1933. no.3.



Bull. Soc. Hist. Nat. Toulouse (cont.)

Maurin, E.

La culture des rhubarbes asiatiques en France.

Bull. Soc. Hist. Nat. Toulousè 65: 190-192.

Mar.30, 1933. no.1.

Morquer, R.

Considération biologiques sur les variations du *Botrytis cinerea* et spécialement sur une nouvelle forme pathogène pour les culicides. Bull. Soc.

Hist. Nat. Toulouse 65: 603-617. D.30,1933. no.4.

Nicolas, G. & Aggéry, Mlle.

Notes mycologiques et phytopathologiques.

Bull. Soc. Hist. Nat. Toulouse 65: 506-507.

S.30, 1933. no.3.

Nicolas, G. & Aggéry, B.

Sur les relations qui existent entre *Daphni-phyllum glaucescens*, *Phyllosticta daphniophylli* et des bactéries et sur un type assez fréquent de maladie bactérienne. Bull. Soc. Hist. Nat. Toulouse 65: 354-362. illus. Je.30,1933. no.2.

Bull. Soc. Mycol. France (Paris) (451P213)

Bataille, F.

Quelques réactions chimico-fongiques. Bull.

Soc. Mycol. France 49: 439-440. Ny.20,1934.no.3/4.

Gilbert, E. J.

*Nolanea rhodoura* nov. sp. Bull. Soc-Mycol.

France 49: 253-255. pl. xi. (col.) My.20,1934.no.3/4.

Josserand, M.

Notes critiques sur quelques champignons de la région lyonnaise. I. Bull. Soc. Mycol. France 49: 340-376. illus. My.20,1934. no.3./4.

Lutz, L.

Les champignons du genre *Xanthochrous*, agents de destruction des bois sur pied ou abattus.

Bull. Soc. Mycol. France. 49: 377-380. My.20, 1934. no.3/4.

Pilat, A.

Additamenta ad floram Sibirae Asiæque orientalis mycologicam. II. Bull. Soc. Mycol. France 49: 256-339. illus. pl.xiii-xxv. My.20,1934. no.3/4.

Rayss, T.

Deuxième contribution à la connaissance des micro-mycètes des environs de Besse (Puy-de-Dome) Bull.

Soc. Mycol. France 49: 381-421. illus. My.20,1934. no.3/4.



Bull. Soc. Mycol. France. (cont.)

Romagnesi, H.

Sur les *Rhodophyllus*. Bull. Soc. Mycol. France 49: 422-438. illus. pl.xxvi. My.20, 1934. no.3/4.

Bull. So. Calif. Acad. Sci. (Los Angeles) (500So8)

Compton, G.

A revisional study of the species *Erigeron foliosus* Nutt. Bull. So. Calif. Acad. Sci. 33: 50-54. Ja./Ap.1934. no.1.

Stewart, M. G.

A revision of the *Heuchera rubescens* group (*Saxifragaceae*) for the United States. Bull. So. Calif. Acad. Sci. 33: 42-49. Ja./Ap.1934. no.1.

Bull. Torr. Club (451T63B)

Aronescu, A.

*Diplocarpon rosae*: from spore germination to haustorium formation. Bull. Torr. Club. 61:291-329. illus., pl.16-20. Je.1934. no.6.

Yampolsky, C.

The cytology of the abscission zone in *Mercurialis annua*. Bull. Torr. Club. 61: 279-289. illus. Je.1934. no.6.

Butl. Inst. Catalana Hist. Nat. (Barcelona) (410.9In72)

Font Quer, P.

Observaciones botàniques III-X. Butl. Inst. Catalana Hist. Nat. 33: 111-118, 208-211, 339-340. 373-381. illus. 1933. no.1/3-8/9.

III, has title: Notes botàniques.

III. Una nova *Statice* de Navarra. [*S. ruizii* sp.n.] IV. El *Senecio auricula* Bourg. a Catalunya. V. Sobre fongs catalana. VI. Records de Montroig. VII. Sobre una *Diplotaxis* d'Eivissa. [*D. catholica* ssp. *ibicensis*] XI (i.e.VIII?) *Fumariàcies* de les Balears. IX. Sobre la vegetació dels Monegros. X. Sobre unes arenàries de València.

Marti, A. de.

Experimentos y observaciones sobre los sexos y fecundacion de las plantas. Presentados a la Real academia de medicina practica de Barcelona, por su socio libre Don Antonio de Marti.... Barcelona. 1791. 86 p. Reprinted in Butl. Inst. Catalana Hist. Nat. 33: 17-104. il1933.

Original paging also given.



Butl. Inst. Catalana Hist. Nat. (cont.)

Pujiula, P.J.

Nota sobre la persistencia de la vida vegetal en cortes microtómicos. Butl. Inst. Catalana Hist. Nat. 33: 218-222. Illus. 1933. no.4/5.  
In his Notas biológicas.

Real, F.

Algunes puccínies paràsites de Teucrium, del Museu de ciències naturals de Barcelona. Butl. Inst. Catalana Hist. Nat. 33: 367-368. illus. 1934. no.8/9.

Mainly *P. annularis*.

Cactus Journ. Gt. Brit. (London) (4506113)

Eackeborg, C.

A new, large-flowered cristate. Cactus Journ. Gt. Brit. 2: 73. illus. Je.1934. no.4.  
*Cereus silvestrii cristata*.

Brown, N. E.

*Lithops edithae*, N.E.Br., *Sphalmanthus herberti*, N.E. Br. Cactus Journ. Gt. Brit. 2:70. Je.1934. no.4.

Farden, R.S.

Succulents other than Cactaceae and Mesembryanthemae. (cont.) Cactus Journ. Gt-Brit. 2: 74-78. Je. 1934. no.4.

Gates, H. E.

*Lophocereus* in Lower California. Cactus Journ. Gt. Brit. 2: 68-69. illus. Je.1934. no.4.

La Cellule (Lierre, Belgium) (442.8B33)

Bose, S. R.

Sexuality of *Polyporus ostreiformis* and *Polystictus hirsutus*. La Cellule 42: 249-266. pl. xlii. 1934. no.3.

Hoare, G. V.

Gametogenesis and fertilisation in *Scilla nonscripta*. La. Cellule 42: 269-291. 2 fold. pl. 1934. no.3.

Lenoir, M.

Étude vitale de la sporogénèse et des phénomènes d'apparence électro-magnétiques concomitants chez *l'Equisetum variegatum*. La Cellule 42: 355-409. illus., fold. pl. 1934. no.3.



V.16, no.12, -p.16.

Compt. Rend. Acad. Sci. Paris. (505P21)

Branas, J. & Dulac, J.

Sur le mode d'action des bouillies cupriques  
au moment de leur emploi. Compt. Rend. Acad.  
Sci. Paris 197: 938-941. O.23, 1933. no.17,

Also in Ann. Ecole Nat. Agr. Montpellier  
23: 44-47. [1934]

Branas, J. & Dulac, J.

Sur le mode d'action des bouillies cupriques,  
role de la dessiccation. Compt Rend. Acad. Sci.  
Paris 197: 1245-1247. N.20, 1933. no.21.

Also in Ann. Ecole Nat. Agr. Montpellier  
23: 47-49. [1934]

Branas, J. & Dulac, J.

Sur le mode d'action des bouillies cupriques.  
Role des dépôts. Compt. Rend. Acad. Sci. Paris  
198: 120-122. Ja.3, 1934. no.1.

Also in Ann. Ecole Nat. Agr. Montpellier  
23: 50-52. [1934]

Dangeard, P. A.

Notice nécrologique sur M. Robert Chodat.  
Compt. Rend. Acad. Sci. Paris 198: 1821-1823.  
My.23, 1934. no.21.

Pruner, M.

Recherches sur les idioblastes dans la famille  
des crassulacées. Compt. Rend. Acad. Sci. Paris  
198: 1872-1874. My.23, 1934. no.21.

Compt. Rend. Soc. Biol. Paris. (442.9P21)

Lenoir, M.

La division anthéridiale dans le pollen vivant  
du *Fritillaria imperialis* L. Compt. Rend. Soc.  
Biol. Paris 116: 163-164. 1934. no.17

Reed, H.W. & Frémont, T.

Les arbuscules des mycorhizes endotrophes.  
Compt. Rend. Soc. Biol. Paris. 116: 201-202.  
1934. no.18.

In citrus.

Cotton & Cult. Coton. (Paris) (72.8C821)

Moreau, A. P.

Action de la chaleur et de différents traite-  
ments chimiques sur la faculté germinative des  
graines de cotonnier. Coton & Cult. Coton. 8:  
167-170. D.1933. no.3.



V.16, no.12, p.17.

Country Life (London) (80C83)

Taylor, G. C.

The hardy water lilies. Country Life  
75: liv-lvi. illus. My.26, 1934. no.1949.

Curt. Bot. Mag. (450C94)

Curt, Bot. Mag. v.157, pt.i,ii. col.pl.  
9337-9347, 9348-9358. Ja.1, Ap.3, 1934.

Rhododendron eriogynum, Larix potanini,  
Anthemis sancijohannis, Callicarpa rubella,  
Iris histrioides, Pelargonium moniliforme, Rhodo-  
dendron tephropeplum, Geum versipatella, Hypericum  
kouytchense, Salvia ringens var. romanica, Catase-  
tum maculatum; Meconopsis regia, Campanula propin-  
qua grandiflora, Habenaria splendens, Jasminum  
farreri, Lonicera nitida, Fritillaria recurva,  
Gazania longiscapa, Notholirion macrophyllum,  
Tulipa stapfii, Pelargonium salmoneum & Rhododendron  
charitopes.

Deut. Landw. Presse. (Berlin) (18D482)

Hardt,

Die bekämpfung des sumpfschachtelholmes  
(Equisetumpalustre) Deut. Landw. Presse. 61:  
225-226. My.12, 1934. no.19.

Meyer-Hermann, K.

Neuere erfahrungen über die hederich-bekämpfung.  
Deut. Landw. Presse 61: 226. illus. My.12,1934.  
no.19.

Petersen, A.

Huflattich-bekämpfung. Deut. Landw. Presse  
61: 240. My.19, 1934. no.20.  
Tussilago farfara.

Econ. & Técn. Agr. (Spain) (Madrid) (15Ec7)

García Romero, A.

Las semillas. V-VI. Econ. & Técn. Agr. (Spain)  
3: 131-133, 194-197. illus. Mr., Ap.1934. no.23,24.

V. La cuscuta y sus daños. - Reconocimiento  
analítico de la cuscuta. - Expedición de semillas  
descuscutadas. VI. Semillas duras. - Valor real de  
las semillas. - Peso. - Determinación de la humedad.

Ernähr. Pflanze. (Berlin) (57.8Er6)

Wimmer, G. Y Lütdecke, H.

Kalimangellerscheinungen an tomaten und einigen  
kohlarten. Ernähr. Pflanze 30: 219-220. 4 col.  
pl. Je.1/15. 1934. no.11/12.

1900

1900

1900

1900

1900

1900

1900

1900

1900

1900

1900

1900

1900

1900

1900

1900

1900

Flor. Exch. (N.Y.) (80F666)

Lagomarsino, E. C.

Rust-immune snapdragons. Flor. Exch.  
82(23): 16. illus. Je.9, 1934.

The same material appears under varying  
titles in Flor. Rev. v.74, no.1905, p.16, and  
Seed World v.35, no.12, p.14.

Folia Cryptogamica (Szeged, Hungary) (450F71)

Filarszky, N.

Enumeratio specierum et formarum characearum in  
regionibus oppidi Szeged lucusque cognitarum et col-  
lectarum diagnosisque formarum novarum. Folia  
cryptogamica 1: 1307-1316. 1934. no.10.

Györfy, K.

Az Oxymitra paleacea Bisch. (Tessellina Pyrami-  
data Dumort.) összehasonlító fejlődéstörténete és  
phylogenetical jelentősége (Ueber die vergleichen-  
de entwicklungsgeschichte und phylogenetische be-  
deutung der Oxymitra paleacea Bisch.) Folia  
cryptogamica 1: 1117-1252. illus., pl.xxi-xxx.  
1934. no.10.

German summary: p.1233-1246.

Langer, S.

Adatok az elcsatolt Nyugatmagyarországi terület  
moszatflórájához (Algologische notizen aus dem Bur-  
genland). Folia cryptogamica 1: 1317-1320. 1934.  
no.10.

Langer, S.

A spirogyrák monografikus feldolgozása különös  
tekintettel nagymagyarországra (Monographische be-  
arbeitung der spirogyren mit besonderer berücksich-  
tigung der vorkriegsungarischen verhältnisse.)

Folia cryptogamica 1: 1253-1306. pl.xxxi-xxxv.  
1934. no.10.

German summary: p.1305-1306.

Podpěra, J.

Bryi generis subspecies nova. Folia cryptoga-  
mica 1: 1113-1116. illus. 1934. no.10.

B. turbinatum subsp. B. stephani.

Podpera, J.

Bryi inclinati nova varietas ex Hungaria. Folia  
cryptogamica 1: 1321-1322. 1934.

Var. otoeides.



Gard. Chron. (London) (80G162)

Bagenal, N.B.

Twenty-one years work at East Malling research station. III. Research work on tree fruits. (conc.) Gard. Chron. III. 95: 328-330, 348-349. illus. My.19,26, 1934. no.2473, 2474.

Balls, E. K.

Plant collecting in Persia. XI. Kuh Khalat and KUH-i-Bamu. Gard. Chron. III,95: 346-347. illus. My.26, 1934. no.2474.

Boothman, H. S.

Aquilegias. (cont.) Gard. Chron. III, 95: 351-352. My.26, 1934. no.2474.

Holmes-Smith, E.

A playing-fields fungus meance. Gard. Chron. III, 95: 333. illus. My.19, 1934. no.2473. Coprinus.

Mansfield, B. P.

The Livingstone daisy. Gard. Chron. III, 95: 330. My.19, 1934. no.2473. Mesembryanthemum criniflorum.

Ward, F.K.

Colour variation in rhododendrons. Gard. Chron. III, 95: 344-345. My. 26, 1934. no.2474

Ward, F. K.

Some good Labiatae. Gard. Chron. III. 326. My.19, 1934. no.2473.

Salvia sp.nov.? (K.W.10591), Dracocephalum tangutica, Ajuga ovalifolia, Dracocephalum heterophylla, Dracocephalum sp.nov.? (K.W.10718)

Wormald, H.

Intumescences on vine leaves. Gard. Chron. III, 95: 332-333. My.19, 1934. no.2473.

Walter Irving. Gard. Chron. III,95: 337. My.19, 1934. no.2473.

Died Ap.23, 1934.

Gartenz. (Wiem) (80W632)

Köck, G.

Ueber einige bemerkenswertere nichtparasitäre krankheiten verschiedener gemüsearten und ihre verhütung. Gartenz. (Wien) 1934: 60-61. My. 1934. no.5.



Gartenz. (cont.)

Molisch, H.

Neue interessante versuche mit pflanzen. I.  
Gartenz. (Wien) 1934: 57-58. My.1934. no.5.

1. Ueber die gewinnung rein grüner nachkommen  
aus panaschierten Sansevieria. 2. Beeinflussung der  
blütenfarbe bei Primula auricula durch blutdüngung.  
3. Neue bedeutungsvolle züchtungen. a). Die züchtung  
von nikotinfreien und nikotinarmen tabakpflanzen.  
b). Bitterstofffreie lupinen. c) Die züchtung wohl-  
schmeckender tomaten.

Passecker, F.

Kulturversuche mit verschiedenen speisepilzen.  
I-II. Gartenz. (Wien) 1934: 48-49, 61-62.  
illus. Ap., My.1934. no.4,5.

Pollanetz,

Paonia aborea. I-II. Gartenz. (Wien) 1934:  
50-51, 59-60. Ap., My.1934. no.4,5.

Hawaiin Plant. Rec. (Honolulu) (25H311)

Martin J. P.

Boron deficiency symptoms in sugar cane.  
Hawaiian Plant Rec. 38: 95-107. illus. 1934. no.1.

Martin, J. P.

Symptoms of malnutrition manifested by the  
sugar cane plant when grown in culture solutions  
from which certain essential elements are omitted.  
Hawaiian Plant. Rec. 38: 3-31. illus., iv. col.pl.  
1934. no.1.

Hedwigia (Dresden) (450H35)

Biswas, K.

Observations on algal collections from Khasia  
and Jaintia Hills, Assam, India. Hedwigia 74:  
1-28. iii pl. Ap. 26, 1934. no.1.

Petrak, F.

Mykologische beiträge zur flora von Sibirien.  
II. Hedwigia 74: 30-78. Ap.26, 1934. no.1.  
Neocoleroa, Pleurodomus & Zilingia n.gen.

Schmidt, O. C.

Pringsheimia Reinke jetzt Pringsheimiella v.  
Hoehn. Hedwigia 74: 29. Ap.26, 1934. no.1.



- Journ. Agr. Res. (Washington, D.C.) (1Ag84J)  
Lachmund, H. G.  
Growth and injurious effects of *Cronartium ribicola* cankers on *Pinus monticola*. Journ. Agr. Res. 48: 475-503. Mr.15,1934(Rec'd Je.8) no.6.
- Journ. Assoc. Off. Agr. Chem. (Washington, D.C.) (381As7)  
Butler, L.  
Report on sodium in plants. Journ. Assoc. Off. Agr. Chem. 17: 275-277. My.15, 1934. no.2.
- Philips, M.  
Report on lignin. Journ. Assoc. Off. Agr. Chem. 17: 277-282. My.15, 1934. no.2.
- Wilkins, H. L.  
Report on total chlorine in plants. Journ. Assoc. Off. Agr. Chem. 17: 268-273. My..15, 1934 no.2.
- Journ. Bath & West & South Co. Soc. Agr. (10B32)  
Marsh, R. W.  
A summary of recent investigations on apple scab. Journ. Bath & West & South Co. Soc. Agr. 8: 148-155. 1933/34.
- Walton, C.L., Ogilvie, L. & Mulligan, B. O.  
Observations on the pea strain of the eelworm *Heterodera schachtii* and its relation to "pea sickness". Journ. Bath & West & South Co. Soc. Agr. 8:155-167. a pl. 1933/34.
- Journ. Bd. Greenkeep. Res. Brit. Golf Unions (Bingley, Yorks)  
(60.19B772)  
Dawson, R. B.  
Common weeds of turf. (cont.) Journ. Bd. Greenkeep. Res. Brit. Golf Unions 3: 161-163. 4 pl. on.2. 1934. no.10.
- Lewis, I. G.  
A greenkeeper's guide to the grasses. 3. The genus *Agrosis*. Journ. Bd. Greenkeep. Res. Brit. Golf Unions 3: 148-152. 3 pl. on 2. 1934.
- Journ. Dept. Agr. So. Australia (Adelaide) (23So84)  
Clarke, G. H.  
Important weeds of South Australia. 5. Bathurst burr (*Xanthium spinosum*, L.) Journ. Dept. Agr. So. Australia 37: 1160-1162. illus., col. pl. Ap.16, 1934. no.9.



Journ. Hered. (Washington) (442.8Am3)

Florell, V. H.

A method of making wheat crosses. Journ. Hered. 25: 157-161. illus. Ap.1934. no.4.

Parker, M. C.

Inheritance of a leaf variegation in the common bean. Journ. Hered. 25: 165-170. illus. Ap.1934. no.4.

Journ. Indian Chem. Soc. (Calcutta) (385In27)

Basu, K., Nath, M. C. & Chakraverty, C.

On the oxidising enzymes in betel leaves (Piper betel). Journ. Indian Chem. Soc. 11: 265-276. Ap. 1934. no.4.

Journ. Path. & Bact. (448.8J82)

Shrewsbury, J.F.D.

The genus *Monilia*. Journ. Path. & Bact. 38: 313-354. pl. xlii-1. My. 1934. no.3.

Journ. Pharm. Soc. Japan (J396.9P49)

Munesada, T.

Pharmakognostische untersuchung der wurzeln und rhizomen von einiger *Scrophularia*-arten. Journ. Pharm. Soc. Japan 54: 41-47. illus. Ap. 1934. no.4.

Journ. Shanghai Sci. Inst. Sect. IV (Sep.Print.) (513Sh15Jc)

Hida, T.

Ueber die stärkebildung von schimmelpilzen. Journ. Shanghai Sci. Inst. Sec. IV, 1: 85-116. F. 1934. (Separate print no.7)

Kranke Pflanze (Dresden) (464.8K86)

Esmarch, F.

Die knöllchensucht der kartoffeln. Kranke Pflanze 11: 52-54. Ap.My. 1934. no.4/5.

Esmarch, F.

Professor Dr. Baunacke. Kranke Pflanze 11: 45-48. port. Ap./My. 1934. no.4/5.

Landbouw. Nederl.-Indië (Buitenzorg) (22.5L23)

Toxopeus, H. J.

Onderzoekingen over den invloed van temperatuur en vochtigheid op de levensprocessen van *Phytophthora parasitica*. (On the influence of temperature and humidity on the life-processes of *Phytophthora parasitica*, the cause of the gum-disease of citrus). Landbouw, Nederl.-Indië 9: 385-421. F. 1934. no.8.

English summary: p.418-421.



Landw. Jahrb. (Berlin) (18L23)

Kemmer, E. & Schulz, F.

Die bedeutung des kernobstsämlings als unterlage. I. Entwicklung der sämlinge diploider und triploider apfel-und birensorten.

Landw. Jahrb. 79: 793-824. illus. 1934. no.5.

Landw. Jahrb. Schweiz (Bern) (17L23)

Faes, H., Staehelin, M. & Bovey, P.

La lutte contre les ennemis des arbres fruitiers insectes et champignons en 1932. Landw. Jahrb.

Schweiz 48: 241-280. illus., col. pl. 1934. no.3.

Mém. Mus. Roy. Hist. Nat. Belg. (504B835)

Stockmans, F.

Les neuroptéridées des bassins houilliers Belges

1. pte. Mém. Mus. Roy. Hist. Nat. Belg. no.57.

61 p. xvi pl. 1933.

*Neuropteris parvifolia*, *N.hollandica* n.spp.

Mitt. Ges. Vorratsschutz (Berlin) (420G32)

Reich, O.

Wie beseitige ich den echten hausschwamm?

Mitt. Ges. Vorratsschutz 10: 19-20. illus.

Mr. 1934. no.2.

Mycologia (450M99)

Aronescu, A.

Further tests for hormone action in *Neurospora*.

Mycologia 26: 244-252. pl.30. My./Je. 1934. no.3.

Beardslee, H. C.

New and interesting fungi. Mycologia 26: 253-260. illus. My./Je. 1934. no.3.

Includes *Mycena glutinosa* and *Russula heterospora* n.spp.

Cash, E. K.

*Godronia urceolus* and other Cenangiaceae on *Ribes*. Mycologia 26: 266-272. illus., pl. 32.

My./Je. 1934. no.3.

*Godronia davidsoni*, *Scleroderris tumoricola* n.spp.

Jenkins, W. A.

The development of *Cordyceps agariciformia*.

Mycologia 26: 220-243. illus., pl.28-29. My./Je. 1934. no.3.



Mycologia (cont.)

Kienholz, J. R.

A poisonous *Boletus* from Oregon. *Mycologia*  
26: 275-276. *My./Je.* 1934. no.3.  
*B. eastwoodiae*.

Martin, G. W.

Three new heterobasidiomycetes. *Mycologia*  
26: 261-265. pl.31. *My./Je.* 1934. no.3.  
*Platygleoa sphaerospora*, *Sebacina sublilacina*,  
*Dacryomitra brunnea*.

Miller, L. W.

The *Hydnaceae* of Iowa. III. The genera *Radulum*,  
*Mucronella*, *Caldesiella* and *Gloiodon*. *Mycologia*  
26: 212-219. pl.27. *My./Je.* 1934. no.3.

Seaver, F. J.

Another rare phalloid. *Mycologia* 26: 273-  
275. *illus.* *My./Je.* 1934. no.3.  
*Anthurus borealis*.

Shear, C. L.

*Mycology*, scientific and otherwise. *Mycologia*  
26: 201-203. *My./Je.* 1934. no.3.

Zeller, S. M.

A new species of *Lepiota*. *Mycologia* 26: 210-  
211. pl.26. *My./Je.* 1934. no.3.  
*L. barssii*.

Naturaliste Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne.  
(cont.) *Naturaliste Canad.* 61: 158-162.  
*My.* 1934. no.5.

Nature (London) (472N21)

Dillon, T. & O'Tuama, T.

Chemistry of the red and brown algae.  
*Nature* 133: 837. *Je.*2, 1934. no.3370.

K. Norske Vidensk. Selsk. Forh. (Trondheim)

Schmidt-Nielsen, S. & Hammer, L.

Zur kenntnis der jahreswechselungen im kohlen-  
hydratgehalt bei *Laminaria hyperborea*. *K. Norske*  
*Vidensk. Selsk. Forh.* 6: 119-122. 1934(*Je.*26, 193)  
no.31.



Nuovo Giorn. Bot. Ital. (Firenze) (450N92)

Cengia Sambo, M.

Cladonie e umbilicarie Italiane. Nuove  
Giorn. Bot. Ital. 41: 142-156. 1934. no.1.

Castiglioni, A.

L'*Hibiscus sabdariffa* L.: caratteri chimici e  
coltivazione in Eritrea. Nuovo Giorn. Bot. Ital.  
41: 173-174. 1934. no.1.

Corneli, E.

Temperature di germinazione di spore fungine  
in relazione alle infezioni sugli ospiti. Nuovo  
Giorn. Bot. Ital. 41: 121-133. 1934. no.1.

Corti, R.

Ricerche sulla vegetazione dei dintorni di  
Firenze. 3. Rilievi nelle pinete delle colline  
a sud-ovest di Firenze. Nuovo Giorn. Bot. Ital.  
41: 25-120. 1934. no.1.

Györfy, I.

*Funaria mediterranea monstrosität* aus  
Italien. Nuovo Giorn. Bot. Ital. 41: 134-141.  
pl. 1934. no.1.

Messeri, A.

Lo sviluppo del sistema conduttore in plantule  
di *Torreya californica* Torr. Nuovo Giorn. Bot.  
Ital. 41: 163-167. illus. 1934. no.1.

Ponzo, A.

Stipule e guaina. Nuovo Giorn. Bot. Ital.  
41: 1-24. 1934. no.1.

Vignolo-Lutati, F.

L'*Ambrosia artemisiifolia* L. in Italia.  
Nuovo Giorn. Bot. Ital. 41: 172-173. 1934. no.1.

Pietro Voglino (1864-1933) Nuovo Giorn.  
Bot. Ital. 41: 169-171. 1934. no.1.

Obst- u. Gemüseb. (Berlin) (80P7750)

Kupke, W.

Weitere fälle von metaxenie beim apfel. Obst-  
u. Gemüseb. 80: 68-69. illus. My.15, 1934.  
no.5.



Obst- u. Gemüseb. (cont.)

Schmidt, E.

Was können wir gegen die blattkrankheit des selleries tun? Obst- u. Gemüseb. 80: 72.

My.15, 1934. no.5.

Zorn, R.

Eine eigentümliche krankheits-erscheinung an apfel-pyramiden. Obst- u. Gemüseb. 80: 76.

illus. My.15, 1934. no.5.

Orchidee (Bangoeng) (800r18)

Smith, J. J.

Wat is Dendrobium fleischeri? Orchidee (Bandoeng) 4: 90-93. Ap. 1934.

Philipp. Journ. Agr. (25P543)

Reyes, G. M.

Germination of the pollen of rice and pollen-tube growth. Philipp. Journ. Agr. 5: 21-29.

pl. 1934. no.1.

Philipp. Journ. Sci. (Manila) (475P53)

Mendoza J. M. & Leus-Palo, S.

Lepiota americana, an immigrant edible mushroom. Philipp. Journ. Sci. 53: 223-227.

2 pl. Mr. 1934. no.3.

Miller, C. D., Robbins, R. C. & Haida, K.

The nutritive value of the mountain apple Eugenia malaccensis or Jambosa malaccensis.

Philipp. Journ. Sci. 53: 211-221. pl. Mr. 1934. no.3.

Reinking, O. A.

The distribution of banana wilt. Philipp.

Journ. Sci. 53: 229-243. 5 pl. Mr. 1934. no.3.

Phytopath. (464.8P56)

Machacek, J. E.

A simple method of obtaining Pythium cultures free from bacteria. Phytopath. 24: 301-303.

illus. Mr.1934. no.3.

Proc. Acad. Nat. Sci. Phila. (500P53)

Pennell, F. W.

A revision of Synthyris and Besseyia. Proc. Acad. Nat. Sci. Phila. 85: 77-106. illus. (incl. maps)

1934.



Proc. Hawaiian Sugar Plant. Assoc. (65.9H314)

Martin, J. P.

Pathology. Rep. Comm. Exp. Stat. Hawaiian  
Sugar Plant. Assoc. 1932/33: 24-35. 1933 (With  
Proc. Hawaiian Sugar Plant. Assoc. 53d).

Progr. Agr. & Vitic. (Montpellier) (14P94)

Bernon, G.

Le rot gris. Progr. Agr. & Vitic. 101:  
442-443. col. suppl. pl. My.13, 1934. no.19.

Quart. Rev. Biol. (Baltimore) (442.8Q2)

Schaffner, J. H.

Phylogenetic taxonomy of plants. Quart.  
Rev. Biol. 9: 129-160. illus. Je.1934. no.2.

Repert. Spec. Nov. Fedde (Berlin) (45OR29)

Cretzoiu, P.

Miscellanea systematica et phytogeographica II.  
Repert. Spec. Nov. Fedde 35 (Repert. Europ. & Med.  
4, 1/4): 107-108. pl. cxlvii-cxlviii. Ap.30, 1934.  
no.1/7.

Krösche, E.

Sonderlingsformen zu *Epipactis latifolia* All.  
Repert. Spec. Nov. Fedde 35 (Repert. Europ. & Med.  
4, 1/4): 100-102, 102-104. Ap.30, 1934. no.1/7.

Markgraf, F.

Auffindung einer neuen rasse des *Rhinanthus  
rumelicus* Vel. auf der insel Ösel (Estland).  
Repert. Spec. Nov. Fedde 35 (Repert. Europ. & Med.  
4, 1/4): 97-99. Ap.30, 1934. no.1/7.

Markgraf, F.

Zu den forsythien Asiens. Repert. Spec. Nov.  
Fedde 35: 45. Ap.30, 1934. no.1/7.

Poellnitz, K. v.

Monographie der gattung *Talinum* Adans.  
Repert. Spec. Nov. Fedde 35: 1-34. Ap.30, 1934.  
no.1/7.

*T. transvaalense* n.sp.

Poellnitz, K. v.

2. Nachtrag zu meiner *Anacampseros*-monographie.  
Repert. Spec. Nov. Fedde 35: 46-48. Ap.30, 1934.  
no.1/7.



Repert. Spec. Nov. Fedde (cont.)

Range, P.

Die flora des Namalandes. III. Systematischer  
teil. Repert. Spec. Nov. Fedde 35: 35-42.  
Ap.30, 1934. no.1/7.

Ruppert, J.

*Orchis longicornu* Poir. x *Orchis picta* Lois.  
nov. hybrid. Repert. Spec. Nov. Fedde 35 (Repert.  
Europ. & Med. 4, 1/4): 104-106. Ap.30, 1934. no.1/7.  
x *Orchis litardierei* Ruppert. et Lebrun.

Widder, F. J.

Zur kenntnis der *Anemone styriaca* und ihres  
bastardes mit *Anemone nigricans*. Repert. Spec.  
Nov. Fedde 35 (Repert. Europ. & Med. 4, 1/4): 49-96.  
pl.clxii-xxlvi. Ap.30, 1934. no.1/7.

Rev. de Agr. (Piracicaba) (9.2R324)

Bitancourt, A. A.

O efeito da faisca eletrica sobre o citrus.  
Rev. de Agr. (Piracicaba) 9: 151-154. 2 pl.  
Mr./Ap.1934. no.3/4.

Piza, S.de T. jr.,

A redução chromatica nas plantas angiospermas.  
Rev. de Agr. (Piracicaba) 9: 155-174. illus.  
Mr./Ap. 1934. no.3/4.

Puttemans, A.

Informações sobre doenças de degenerescencia  
da batateira no Brasil. Rev. d e Agr. (Piracicaba)  
9: 103-111. 2 pl. Mr./Ap. 1934. no.3/4.

Rev. Sudamer. Bot. (Montevideo) (45OR3242)

Dodge, C. W.

Contribución al conocimiento de la evolución  
de los gasteromicetos. Rev. Sudamer. Bot. 1:  
18-20. F.1934. no.1.

Herrera, F. L.

El cedro peruano, *Cedrela herrerae* Harms.  
Rev. Sudamer. Bot. 1: 21-27, illus. F.1934. no.1.

Malme, G. O. A.

Eine für die flora Uruguaya neue *Xyris*.  
Rev. Sudamer. Bot. 1:28-30. F.1934. no.1.  
*X. guarantica*.



Rev. Sudamer. Bot. (cont.)

Scala, A. C.

La estructura histológica del leño de "guayaibí"  
Patagonula americana L. (Borraginaceae) Rev.  
Sudamer. Bot. 1: 1-7. illus. F.1934. no.1.

Schaffner, J. H.

Heredity and environment in relation to  
character expression with special reference to  
intermittent characters in *Equisetum*.

Rev. Sudamer. Bot. 1: 8-17. F.1934. no.1.

Rev. Bot. Appl. (Paris) (26/323)

Aubréville, A.

Le difou (*Morus mesozygia* Stapf). Rev. Bot.  
Appl. 14: 251-253. pl.iv. Ap.1934. no.152.

Aubréville, A.

Sur la présence de deux espèces de *Chlorophora*  
(iroko) en Afrique Occidentale Française. Rev. Bot.  
Appl. 14: 245-250. pl.iii. Ap.1934. no.152.

*C. excelsa*, *C. regia*.

Chevalier, A.

Sur un *Stapelia* et sur trois *Caralluma*'s de  
l'Afrique tropicale. Rev. Bot. Appl. 14:262-  
275. illus., pl.v-vii. Ap.1934. no.152.

*S. decaisneana*, *C. retrospicimens* ssp. *C.*  
*tombuctuensis*, *C. dalzielii*, *C. mouretii*.

Ghesquière, J.

Deux *Cassia* nouveaux pour la flore de l'Afrique  
centrale française. Rev. Bot. Appl. 14:237-244.  
illus., pl.i-ii. Ap.1934. no.152.

*C. rogeonii*, n.sp., *C. sabak* Delil.

Normand, D.

Note sur le bois de difou. Rev. Bot. Appl.  
14: 253-256. illus. Ap.1934. no.152.

M. Pio Corrêa. Rev. Bot. Appl. 14: 316.  
Ap. 1934. no.152.

Died Feb.21, 1934, at age of 59.

Rev. Gén. Bot. (Paris) (450R326)

Chermezon, H.

Notice sur Gustave Chauveaud. Rev. Gén.  
Bot. 46: 257-267. pl. xix (port.) My.1934.  
no.545.



Rev. Gén. Bot. (cont.)

Teodoresco, E. C.

Le développement des algues et la réfrangibilité  
de la lumière. (cont.) Rev. Gén. Bot. 46: 389-  
320. illus. My.1934. no.545.

Cozic,

Etude biochimique de *Bacterium xylinum*. (cont.)  
Rev. Gén. Bot. 46: 268-288. My. 1934. no.545.

Rev. Hort. (Paris) (80R32)

Jahandiez, E.

Les plantes grasses autres que les cactées.  
Les composées. Rev. Hort. 106: 116-118.  
illus. My.16, 1934. no.5.

Rhodora (Boston) (450R34)

Allard, H. A.

A supposed hybrid between the oak species *Q.*  
*rubra* and *ilicifolia*. *Rhodora* 36: 239-240.  
Je. 1934. no.426.

Bergman, H. F.

Double flowers in the wild swamp blueberry,  
*Vaccinium corymbosum*. *Rhodora* 36: 233-235.  
pl. 289. Je. 1934. no.426.

Fernald, M. L.

A conical sugar maple. *Rhodora* 36: 238-239;  
illus. Je. 1934. no.426.

*Acer saccharum* f. *conicum*.

Jao, C.-C.

*Oedogonium* in the vicinity of Woods Hole,  
Massachusetts. *Rhodora* 36: 197-214. pl.286-288.  
Je. 1934. no. 426.

*O. croasdaleae*, *O. reticulocostatum*, *O. spiri-*  
*pennatum*, *O. taylorii* n.spp.

Manning, W. E.

*Wolffia* in Massachusetts. *Rhodora* 36: 240.  
Je. 1934. no.426.

Steyermark, J. A.

Some features of the flora of the Ozark region  
in Missouri. *Rhodora* 36: 214-233. Je.1934.  
no.426.



V.16, no.12, p.31.

Riv. Biol. (Milan) (442.8R52)

Curzi, M.

Proprietà e nature dei virus delle piante.  
Riv. Biol. 16: 335-352. Mr./Ap.1934. no.2.

Masera, E.

Un fungo del genere *Botrytis* parassita degli  
insetti. Riv. Biol. 16: 266-272. illus.

Mr./Ap. 1934. no.2.

Species undetermined.

Science (470Sci2)

Murneek, A. E.

Relation of carotinoid pigments to sexual  
reproduction in plants. Science 79: 528.

Je.8, 1934. no.2058.

Vinson, C. G.

Possible chemical nature of tobacco mosaic  
virus. Science 79: 548-549. Je.15,1934. no.2059.

The Dutch elm disease. Science 79: 516-517.

Je.8, 1934. no.2058.

Thomas Huston McBride. Science 79: 536.

Je.15, 1934. no.2059.

Notice of death.

Sci. Bull. Dept. Agr. N.S.W. (23N47S)

Wenholz, H.

Plant breeding in New South Wales 6th year of pro-  
gress, 1931-32. Sci. Bull. Dept. Agr. N.S.W.

no.41. 40 p. F.1933.

Science News Letter (470Sci24)

Native plants feel drought. Science News

Letter 25: 373-374. Je.16,1934. no.688.

Scient. Agr. (Ottawa) (7Sci2)

Fisher, D. V.

Leaf area in relation to fruit size and tree  
growth. Scient. Agr. 14: 512-518. illus.

My. 1934. no.9.

Greaney, J. F.

Field experiments on the prevention of cereal  
rusts by sulphur dusting (1930-1932). Scient.

Agr. 14:496-511. illus. My.1934. no.9.



The Shade Tree N.J. (99.8Sh1)

Deuber, C. G.

Spring and early summer defoliation of shade trees. The Shade Tree N.J. 7: [1] My.1934. no.5.

Sinensia, Nanking (410.9Si62)

Ching, R. C.

Lithostegia, a new genus of polypodiaceous fern from Sikkim-Yunnan. Sinensia, Nanking 4: 1-9. illus. Jl.1933. no.1.

*L. foeniculacea* (Aspidium)

So. African Gard. (Johannesburg) (80So87)

Plants new or noteworthy. South African plants cultivated in the National botanic gardens, Kirstenbosch, and in our readers' gardens.

So. African Gard. 24: 124, 129. illus. My. 1934. no.5.

*Limonium namaquanum*, *L. teretifolium*, *L. fergusoniae* & *L. acuminatum* n.spp. (all by L. Bolus)

So. African Sugar Journ. (Durban) (65.8So8)

The effect of streak disease on the yield of Uba cane. II. So. African Sugar Journ. 18. 241, 243. Ap.30,1934. no.4.

Sovetsk. Botanika (450So8)

Chailakhian, M. Kh.

K probleme iarovizatsii rastenii II (Du problème de vernalisation des plantes. II. Diagnostique des race des gros et des petits blés) Sovetsk. Botanika 1933(6): 30-45.

Russian.

Iarmolenko, A. V.

Opyt primeneniia anatomii vtorichnoi drevesiny stvola k ob'iasneniiu filogenii khvoinykh (Essai d'application de l'anatomie du bois secondaire du trenc). Sovetsk. Botanika 1933(6): 46-63.

Russian.

Il'inskiĭ, A. F.

Problema obogashcheniia rastitel'nogo inventaria SSSR (Problème d'enrichissement de l'inventaire végétale de l'URSS) Sovetsk. Botanika 1933(6): 76-79.

Russian.



Sovetsk. Botanika (cont.)

Liubimenko, V. N.

K teorii iskusstvennogo regulirovaniia dliny vegetatsionnogo perioda u vysshikh rastenii (Contribution à la théorie de la régulation artificielle de la durée de la période végétative chez les plantes supérieures) Sovetsk. Botanika 1933(6): 3-30. illus.

Russian.

Nekrasova, V. L.

Obzor aralievykh SSSR, ikh geograficheskoe rasprostranenie i ispol'zovanie (Revue des araleacées de l'URSS: leur distribution géographique et leur utilisation). Sovetsk. Botanika 1933(6): 82-100.

Russian.

Sokolov, S. I.

Vozmozhnosti spetsializirovannogo khoziaistva na kahstan (Les possibilités d'une culture spécialisée du marron) Sovetsk. Bot. 1933(6): 63-75.

Russian.

Sunyatsenia (Hong Kong) (450Su7)

Chun, W.-Y.

Contributions to the flora of Kwangtung and south-eastern China. I. Sunyatsenia 1: 209-317. illus., pl.35-39. F.1934. no.4.

Merrill, E. D.

Some additional Kwangtung plants. Sunyatsenia 1: 189-207. pl.34. F.1934. no.4.

Trav. Lab. For. Toulouse (99.9T64)

Lacassagne, M.

Etude morphologique, anatomique et systématique du genre Picea. Trav. Lab. For. Toulouse v.2, (3, Études Dendrol.), art.1. 292 p. illus. 1934.

Tropenpfl. (Berlin) (26T75)

Himmelbaur, W.

Der anbau aromatischer heilpflanzen Europas in wämeren ländern. Tropenpfl. 37: 203-207. My. 1934. no.5.

Ludwigs, K.

Hexenbesen and kakaobäumen. Tropenpfl. 37: 198-203. illus. My.1934. no.5.



Trop. Agriculture West Indies (Trinidad) (26T754)

Cheesman, E. E.

Principles of banana breeding. I.

Trop. Agriculture West Indies 11: 132-137.

Je. 1934. no.6.

Stahel, G.

The banana leaf disease in Surinam. Trop.

Agriculture West Indies 11: 138-142. 2 pl.

Je.1934. no.6.

Helminthosporium torulosum and Cordana musae.

Wardlaw, C. W.

Banana diseases. VIII. Notes on various diseases occurring in Trinidad. Trop. Agriculture

West Indies 11: 143-149. 6 pl. Je. 1934. no.6.

Trop. Natuur (410.9T75)

Voogd, C. N. A. d.

Botanische aantekeningen uit de residentie Benkoelen. 3. De beriti en zijn lahar. Trop.

Natuur. 23: 81-85. illus. My. 1934. no.5.

Trop. Woods, Yale Univ. Sch. For. (New Haven) (99.08Y1Tr)

Chattaway, M. M.

Anatomical evidence that Grewia and Microcos are distinct genera. Trop. Woods, Yale Univ.

Sch. For. 38: 9-11. Je.1, 1934.

Rendle, B. J. & Clarke, S. H.

The problem of variation in the structure of wood. Trop. Woods, Yale Univ. Sch. For. 38: 1-8, Je.1, 1934.

Tupper, W. W.

Preliminary report on the wood structure of the Flacourtiaceae. Trop. Woods, Yale Univ.

Sch. For. 38: 11-14. Je.1, 1934.

Webber, I. E.

Systematic anatomy of the woods of the Malvaceae. Trop. Woods, Yale Univ. Sch. For.

38: 15-36. v pl. Je.1, 1934.

Trudy Tsentr. Nauchno-Issled. Inst. Sakharn. Prom. Moskva

(65.9M85)

Bunina, A. M.

Issledovanie Botrytis cinerea Pers., vydelenogo s Gruzinskoj i Kubanskoj svekly [Investigation of Botrytis cinerea isolated from Georgian and Kuban beets] Trudy Tsentr. Nauchno-Issled. Inst. Sakharn. Prom. Moskva 16(Sborn. Rabot Biokhim. Sekt. 3): 45-52. illus. 1934.

Russian.



- Trudy Tsent. Nauchno-Issled. Inst. Sakharn. Prom. Moskva. (cont.)  
Buromskii, I. D. & Matiushenko, A. A.  
Slizisty bakterioz sakharnoi svekly [Slime  
bacteria of sugar beets] Trudy Tsent. Nauchno-  
Issled. Inst. Sakharn. Prom. Moskva 16(Sborn.  
Rabot Biokhim. Sekt.3): 53-71. 1934.  
Russian.
- U. S. Dept. Agr. Circ. (1Ag84C)  
Griffiths, D.  
Some hybrid Martagon lilies. U. S. Dept. of Agr.  
Circ. 299. 14 p. 7 pl. (3 col.) D.1933.
- U. S. Dept. Agr. Misc. Publ. (1Ag84M)  
Boswell, V. R.  
Descriptions of types of principal American  
varieties of cabbage. U. S. Dept. Agr. Misc. Publ.  
169. 22 p. 18 pl. (6 col.) Mr.1934.  
W. C. Edmundson, O. H. Pearson, J. E. Knott,  
C. E. Myers, R. A. McGinty, W. H. Friend, H. H.  
Zimmerley & J. C. Walker joint authors.
- Shoemaker, D. N. & Delwiche, E. J.  
Descriptions of types of principal American  
varieties of garden peas. U. S. Dept. Agr. Misc.  
Publ. 170. 37 p. illus., 7 col.pl. Mr.1934.
- U. S. Dept. Agr. Plant Dis. Rep. (1.9P69P)  
Christie, J. R. Boyd, O. C.  
Aphelenchoides fragariae on Cape Cod straw-  
berries. U. S. Dept. Agr. Plant Dis. Rep.  
18: 45-46. Je.1, 1934. no.5.
- McWhorter, F. P. & Reynolds, H. J.  
New Narcissus Botrytis disease in the Pacific  
northwest. U. S. Dept. Agr. Plant Dis. Rep.  
18: 51-53. Je.1,1934. no.5.  
B. polyblastis.
- Flakidas, A. G.  
Leaf variegation of the Blakemore strawberry  
in Louisiana. U. S. Dept. Agr. Plant Dis. Rep.  
18: 46-47. Je.1, 1934. no.5.
- White, R. P.  
Winter injury on ornamental plants in New  
Jersey. U. S. Dept. Agr. Plant Dis. Rep. 18:  
44-45. Je.1, 1934. no.5.



U. S. Dept. Agr. Miscellaneous mimeographed publications.  
U. S. Dept. of agriculture - Bur. of plant quarantine.  
Revised list of barberries and mahonias classified under black stem rust quarantine regulations.  
Washington, D.C., My.15, 1934.  
Mimeographed.

Veda prirodni (Prague) (410V51)  
Hruby, K.  
Genetika a cytologie. Veda prirodni  
15: 51-56. 1934. no.2/3.

Pilát, A.  
Panaeolus separatus (L.) Fries v Ceskoslovensku  
Veda prirodni 15: 117-119. illus. 1934. no.4.

Vestnik Ceskosl. Akad. (Prague) (19.5C332)  
Chmelar, F. & Mostovoj, K.  
Rychlé rozlišování sort soje a druhu jetelu podle luminiscence naklicených zrn. (A quick method for distinguishing of soybean varieties and clover species after luminiscence of germinated grains). Vestník Ceskosl. Akad. Zemed. 10: 289-295. illus. 1934. no.4/5.  
German and English summaries.

Wisconsin Hort. (Madison) (80W752)  
Nusbaum, C. J.  
Not all junipers susceptible to cedar apple rust. Wisconsin Hort. 24: 260. Je.1934. no.10.

Zeitschr. Indukt. Abstamm. u. Vererbungslehre. (Liepzig) (442.8Z34)  
Bauch, R.  
Ueber kreuzungen zwischen bipolar und multipolar sexuellen brandpilzarten. Zeitschr. Indukt. Abstamm. u. Vererbungslehre. 67: 242-245. 1934. no.2.

Berg, K. H. von  
Cytologische untersuchungen an Triticum turgidovillosum und seinen eltern. Zeitschr. Indukt. Abstamm. u. Vererbungslehre. 67: 342-373. illus. 1934. no.2.

Weitere studien am fertilen konstanten artbastard Triticum turgidovillosum und seinen verwandten II.

Oehler, F.  
Untersuchungen über ansatzverhältnisse, morphologie und fertilität bei Zegilops-secalebastarden. Zeitschr. Indukt. Abstamm. u. Vererbungslehre. 67: 317-341. illus. 1934. no.2.



Zeitschr. Indukt. Abstamm. u. Vererbungsl. (cont.)

Ubisch, G.v.

Das fertilitätsproblem im pflanzenreiche.

Zeitschr. Indukt. Abstamm. u. Vererbungsl.

67: 225-241. 1934. no.2.

Zeitschr. Zücht. A. Pflanzenzücht. (Berlin) (450236)

Constantinescu, E.

Die kältefestigkeit verschiedener wintergersten. Zeitschr. Zücht. A. Pflanzenzücht.

19: 439-453. illus. My.1934. no.3.

Fuchs, W. H.

Beiträge zur züchtung kältefester winterweizen.

Zeitschr. Zücht. A. Pflanzenzücht. 19: 309-323.

illus. My. 1934. no.3.

Hagedoorn, A. L.

Pflanzenzüchtung und tierzucht aus genetischem gesichtspunkt. Zeitschr. Zücht. A. Pflanzenzücht.

19: 414-428. My. 1934. no.3.

Kostoff, D.

A contribution to the meiosis of *Helianthus tuberosus* L. Zeitschr. Zücht. A. Pflanzenzücht.

19: 429-438. illus. My. 1934. no.3.

Nawaschin, M.

Die methodik der zytologischen untersuchungen für züchterische zwecke. Zeitschr. Zücht. A.

Pflanzenzücht. 19: 366-413. illus. My. 1934. no.3.

Rudorf, W. & Job, M.

Untersuchungen bezüglich der spezialisierung von *Puccinia graminis tritici*, *Puccinia tritici* und *Puccinia glumarum tritici*, sowie über resistenz und ihre vererbung in verschiedenen kreuzungen.

Zeitschr. Zücht. A. Pflanzenzücht. 19:333-365.

My. 1934. no.3.

Rudorf, W. & Rosenstiel, K. v.

Untersuchungen über die widerstandsfähigkeit bei weizensorten gegen weizenflugbrand, *Ustilago tritici*, und über ihre vererbung in kreuzungen.

Zeitschr. Zücht. A. Pflanzenzücht. 19: 324-332.

My. 1934. no.3.



Exp. Stat. Publ.

Jones, D. F. & Singleton, W. R.

Crossed sweet corn. Conn. Agr. Expt. Stat.  
Bull. 361: 487-536. illus. Ap.1934. (100C76St)

Runnels, H. A. & Wilson, J. D.

The influence of certain spray materials,  
herbicides, and other compounds on the dessication  
of plant tissue. Ohio Agr. Exp. Stat. Bimonth.  
Bull. 19: 104-109. My./Je.1934. no.168. (1000h3S)

Tilford, P. E.

Stem canker disease of Gardenia. Ohio Agr.  
Exp. Stat. Bimonth. Bull. 19: 116-117. illus.  
My./Je.1934. no.168. (1000h3S)  
Causal fungus a Phomopsis.

Wilson, J. D.

Celery yellows in Ohio. Ohio Agr. Exp. Stat.  
Bimonth. Bull. 19: 109-115. illus. My./Je.1934.  
no.168 (1000h3S)

McWhorter, F. P.

Blossom end rot of tomato. Oregon Agr. Exp.  
Stat. Circ. Inform. 98. 2 p. Ap.1934. (1000r3C)

Sprague, R.

Keys to aid in the indentification of the more  
important foot rots of winter grains in the Pacific  
Northwest. Oregon Agr. Exp. Stat. Circ. Inform.  
99. 4 p. My.1934. (1000r3C)

Overley, F. L. & Overholser, E. L.

Arsenic injury of apples. Washington Agr.  
Exp. Stat. Pop. Bull. 149. 20 p. illus. Ap.  
1934. (100W27E)

New Books

Appel, O.

The development of plant protection throughout  
the world. [Berlin-Dahlem, 1933] (464Ap4D)

Typewritten ms. of address before scientific  
meetings at Century of progress, Chicago, 1933.  
English transl. by Prof. J. J. Steen.



New Books (cont.)

Backer, C. A.

Onkruidflora der Javasche suikerrietgronden.  
afl. 5. Soerabaia, H. van Ingen, 1934 (Handboek  
ten dienste van de suikerriet cultuur ... op Java  
7. deel) (65332 v.7)

Contains preface, glossary, key to families &c.

Croizat, L.

De euphorbio antiquorum atque officinarum. A  
study of succulent Euphorbiae long known in cul-  
tivation. N.Y., The author, 1934 (452.30882)

Dorff, P.

Die eisenorganismen, systematik und morphologie  
Jena, G. Fischer, 1934 (Pflanzenforschung hrsg.  
von. R. Kolkwitz. h.16) (463.3K83P)

Grainger, J.

Some economic aspects of virus diseases in  
potatoes. Reprinted from Naturalist 1933: 151-153.  
Jl.1933 (Pamph. 464.045G)

Hoehne, F.

Algo sobre a identidade botanica do "oiti" e  
do "pequia" da Bahia. Reprinted from Annaes da  
Academia brasileira de ciencias tomo IV, n.1, 31  
de Março de 1932. (Pamph. 452.35H)

Moquilea salzmanni, Macoubea guianensis.

Jahandiez, E. & Maire, R.

Catalogue des plantes du Maroc (Spermatophytes  
et ptéridophytes) v.3 (Dicotylédones  
gamopétalees et supplément aux v.I et II)  
Alger, Imprimerie Minerva, 1934. (460.41J19)

Kurz, H. & Little, T. M.

Liverworts of north and central Florida.  
Tallahassee, S. 1933. (Bulletin Florida state  
college for women, v. 26, no.3.) (461.32K96)

Losee, D. W.

Profitable mushroom culture. Buffalo, Leden  
publishing company, 1934. (917L89)



New Books (cont.)

Die natürlichen pflanzenfamilien... 2. aufl.  
bd.16c. Angiospermae; reihe Centrospermae  
redigiert von F. Pax und H. Harms. Leipzig,  
W. Englemann, 1934 (452EnsP)

Nissen, C.

Botanische prachtwerte. Die blutezeit der  
pflanzenillustration von 1740 bis 1840. Wien,  
H. Reichner, 1933. (452.6N63)

U.S. Congress - Comm. on the library.

United States botanic garden. Preliminary re-  
port and memorandum on the United States botanic  
garden (and kindred institutions) together with  
certain recommendations looking to its improvement  
as a scientific, educational, and aesthetic estab-  
lishment. Washington, 1934. (451.1Un32)

House Committee print, 73d Congress, 2d sess.

Vekhov, N. K. & Il'in, M. P.

Vegetativnoe raznozhenie drevesnykh rastenii  
letnimi cherenkami (Vegetative propagation of trees  
and shrubs by means of summer cuttings). Leningrad,  
Institut rastenievodstva, 1934. (Prilozhenie 61-oe  
k Trudam po prikladnoi botanike, genetike i sel-  
ektaii) (90.11V53)

Russian with English summary: p.127-131, 264-  
265.

Correction

v.16, no.11, p. 35

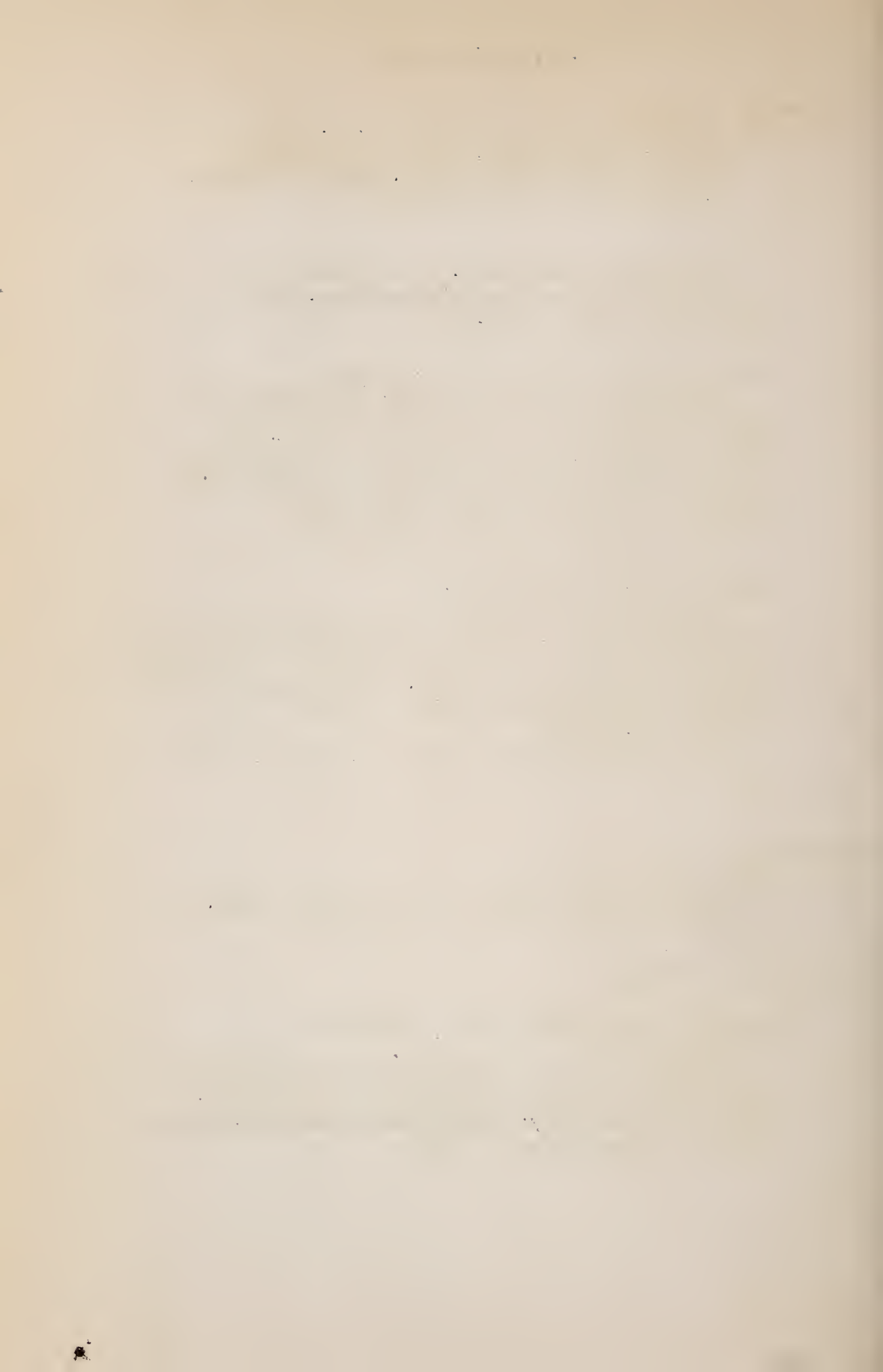
In first entry author's name should be Hung, Fu.

Non-current indexing

Nova Acta R. Soc. Sci. Upsala. (502Up7N)

Nannfeldt, J. A.

Studien über die morphologie und systematik der  
nicht -lichenisierten inoperculaten discomyceten.  
Nova Acta R. Soc. Sci. Upsala IV, fasc.1, v.8, no.2.  
368 p. illus., xx pl. 1932.



# BOTANY

## CURRENT LITERATURE

LIBRARY

RECEIVED

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY

COMPILED FROM PUBLICATIONS RECEIVED IN THE

LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

★ JUL 11 1934 ★

U. S. Department of Agriculture

Vol. 16, no. 13.

June 18-30, 1934.

Acta Univ. Lund. (Lunds Univ. Årsskr.) (502L97)

Kylin, H.

Ueber die entwicklungsgeschichte der phaeophyceen. Acta Univ. Lund (Lunds Univ. Årsskr.) n.f., avd.2, v.29, no.7. 102 p. illus., 2 pl. 1933.

Murbeck, S.

Monographie der gattung Verbascum. Acta Univ. Lund (Lunds Univ. Årsskr.) n.f., avd.2, v.29, no.2. 630 p. illus., xxxi pl. 1933.

Agr. Gaz.N.S.W. (Sydney) (23N472)

Anderson, R. H.

Our noxious weeds. Countries of origin and methods of introduction. Agr. Gaz. N.S.W. 45: 241-247. illus. My.1, 1934. no.5.

Magee, C. J.

Squirter disease of bananas. Agr. Gaz. N.S.W. 45: 262-264 illus. My.1, 1934. no.5.

Agron. Colon. (Paris) (26Ag812)

Bouriquet, G.

Le caféier d' Arabie à Madagascar, dans la région du Lac Itasy, et l'Hemileia vastatrix. Agron. Colon. 23: 133-135. pl. My.1934. no.97.  
With note "Au sujet de Polyporus coffeae".  
Signed: A.M. et L.R.

Algem. Landb. Weekbl. Nederl. Indie (Bandoeng) (22.5A13)

Goot, P. van der.

Dr. S. Leefmans. (Aug.1912 - April 1934).  
Algem. Landb. Weekbl. Nederl. Indie 18: 769-770.  
port. My.26, 1934. no.48.

Ann. Agron. (Paris) (14An75A)

Ducomet, V. &amp; Diehl, R.

La culture en montagne et les maladies de dégénérescence de la pomme de terre. Ann. Agron. 4: 355-372. My./Je. 1934. no.3.

Received of the Treasurer of the State of New York  
the sum of \$1000.00

for the purchase of land for the State of New York  
in the County of Albany

in full for the purchase of land for the State of New York  
in the County of Albany

in full for the purchase of land for the State of New York  
in the County of Albany

in full for the purchase of land for the State of New York  
in the County of Albany

in full for the purchase of land for the State of New York  
in the County of Albany

in full for the purchase of land for the State of New York  
in the County of Albany

Ann. Agron. (cont.)

Lepape, A. & Trannoy, R.

Influence du radium sur la végétation. Ann.

Agron. 4: 319-354. My./Je. 1934. no.3.

Ann. Sci. Nat. Bot. (Paris) (450An75)

Costantin, J.

Centenaire des Annales des sciences naturelles  
botanique (1834-1934). Ann. Sci. Nat. Bot. X,  
16: i-vi. illus. 1934. no.1.

Gauthier, C.

Altérations de l'axe hypocotylé de haricots  
par la suppression de la gemmule. Ann. Sci.  
Nat. Bot. X,16: 63-92. illus. 1934. no.1.

Lemesle, R.

Étude anatomique du genre Calligonum L.

Ann. Sci. Nat. Bot. X,16: 5-62. illus., pl.i-v.  
1934. no.1.

Ann. Carnegie Mus. Pittsb. (500P68A)

Graham, E. H.

Flora of the Kartabo region British Guiana.

Ann. Carnegie Mus. Pittsb. 22: 17-292. illus.  
(maps), pl.iii-xviii. My.1934. no.1.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Zellner, J.

Studien über die chemischen bestandteile  
heimischer arzneipflanzen. IV. Arch. Pharm.  
& Ber. Deut. Pharm. Ges. 272: 601-607. My.  
1934. no.5.

Arch. Suikerind. Nederl. Indië (Soerabaja) (65.8Ar2)

Bolle, P. C.

De onderscheiding van gomzichte en daarop  
gelijkende verschijnselen. (Arch. Suikerind.  
Nederl. Indië 1934 (1): 331-334. 5 pl. My.16,  
1934. no.10.

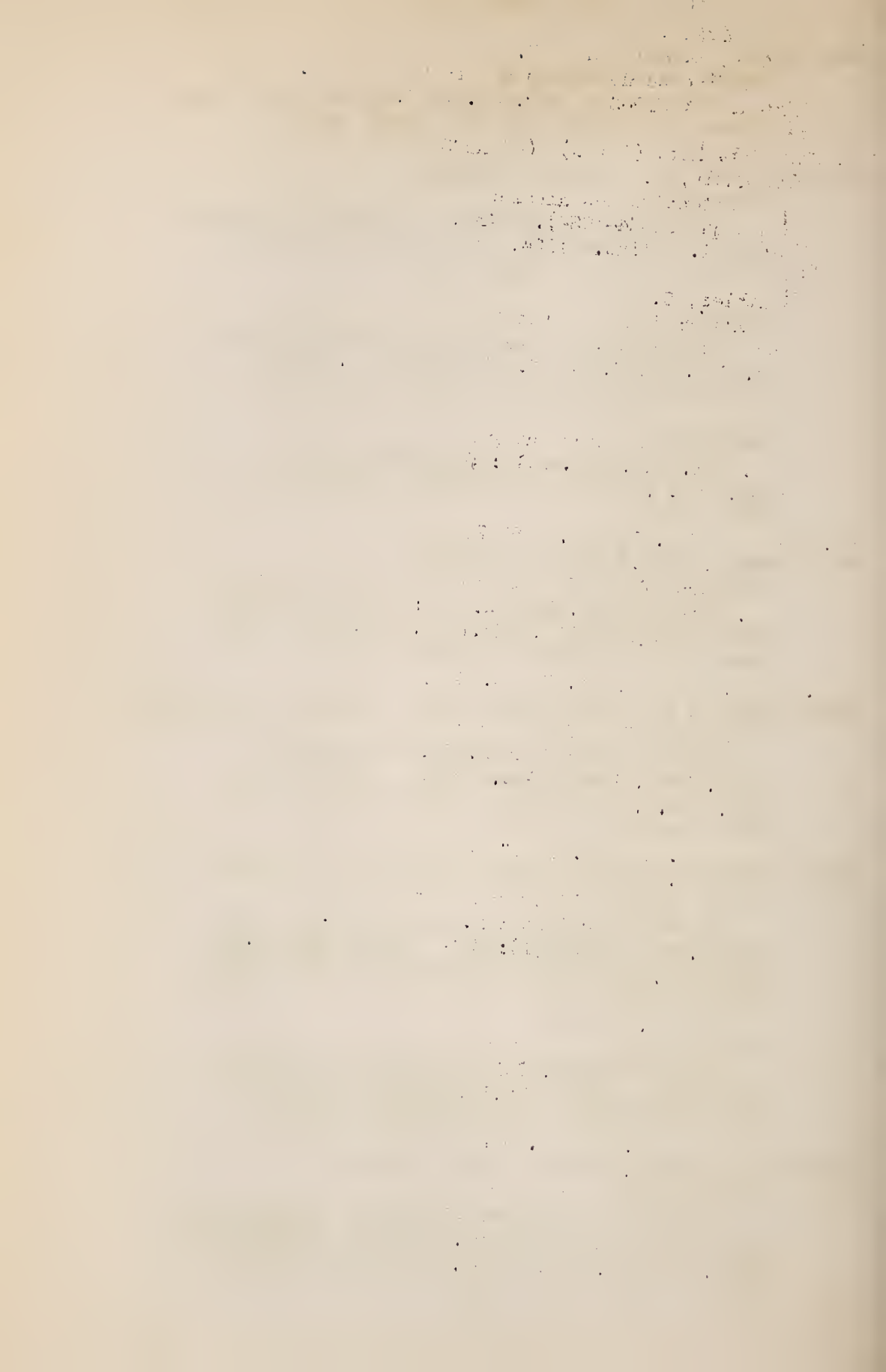
Booberg, G.

Over het gebruik van gelestrepencië plant-  
materiaal. Arch. Suikerind. Nederl. Indië  
1934(1): 319-331. My.16, 1934. no.10.

Bergens Mus. Arbok. Naturv. Rekke (502B45)

Nordhagen, R.

Ueber die zuckerausscheidung der samen einiger  
Colchicum-arten und ihre biologische bedeutung.  
Bergens Mus. Arbok Naturv. Rekke, 1933, nr. 2.  
16 p. illus., pl. 1933.



Ber. Deut. Bot. Ges. (Berlin) (451D48)

Elfving, F.

Zur gonidienfrage. Ber. Deut. Bot. Ges.  
52: 208-213. illus. My.31, 1934. no.4.

Fritzsche, G.

Ueber den einfluss der Ostsee auf das klima  
und die pflanzenwelt der Insel Hiddensee. Ber.  
Deut. Bot. Ges. 52: 181-191. My.31, 1934. no.4.

Melchior, H.

Zur verbreitung der *Saxifraga cernua* L. in den  
Alpen. Ber. Deut. Bot. Ges. 52: 221-230. il-  
lus. (map) My.31, 1934. no.4.

Motzner, P.

Zur kenntnis der hymenolichenen. Ber. Deut.  
Bot. Ges. 52: 231-240. illus., pl.v-vi. My.31,  
1934. no.4.

1. *Rhipidonema crustaceum* Metzner (nov.spec.)  
2. *Dictyonema sericeum* Montagne.

Pohl, F.

Speichertracheiden in der narbe und im  
griffelende einiger ericaceen. Ber. Deut. Bot.  
Ges. 52: 203-207. illus. My.31, 1934. no.4.

Richter, O.

Zur frage des erhaltenbleibens des chlorophylls  
in herbstlich verfärbten, mit tierminen versehenen  
blättern. Ber. Deut. Bot. Ges. 52: 192-194.  
illus. My.31, 1934. no.4.

Troll, W.

Ueber bau und nervatur der karpelle von  
*Ranunculus*. Ber. Deut. Bot. Ges. 52: 214-220.  
illus. My.31, 1934. no.4.

Uphof, J. C. T.

Vergleichende blütemorphologische und blüten-  
biologische studien an *Commelina virginica* L.  
Ber. Deut. Bot. Ges. 52: 173-180. illus. My.31,  
1934. no.4.

Volk, O. H.

Ein neuer für botanische zwecke geeigneter  
lichtmesser. Ber. Deut. Bot. Ges. 52: 195-202.  
illus. My.31, 1934. no.4.



Bot. Gaz. (Chicago) (450B652)

Anderson, E. & Sax, K.

A cytological analysis of self-sterility in *Tradescantia*. Bot. Gaz. 95: 609-621. illus. Je. 1934. no.4.

Beal, J. M.

Chromosome behavior in *Pinus banksiana* following fertilization. Bot. Gaz. 95: 660-666. pl. xiii-xiv. Je. 1934. no.4.

Bell, W. H.

Ontogeny of the primary axis of *Soja max.* Bot. Gaz. 95: 622-635. illus. Je. 1934. no.4.

Canfield, R. H.

Stem structure of grasses on the Jornada experimental range. Bot. Gaz. 95: 636-648. illus. Je. 1934. no.4.

Crafts, A. S.

Phloem anatomy in two species of *Nicotiana*, with notes on the interspecific graft union. Bot. Gaz. 95: 592-608. illus., pl. xi-xii. Je. 1934. no.4.

Drouot, F.

New or interesting *Myxophyceae* from Missouri. Bot. Gaz. 95: 695-701. illus. Je. 1934. no.4.

Haupt, A. W.

Ovule and embryo sac of *Plumbago capensis*. Bot. Gaz. 95: 649-659. illus. Je. 1934. no.4.

Moyer, L. S.

Electrophoresis of latex and chromosome numbers of poinsettias. Bot. Gaz. 95: 678-685. illus. Je. 1934. no.4.

Peirce, A. S.

Anatomy of xylem of *Pseudolarix*. Bot. Gaz. 95: 667-677. illus. Je. 1934. no.4.

Siler, M. B.

Development of spore walls in *Sphaerocarpos donnellii*. Bot. Gaz. 95: 583-591. illus. Je. 1934. no.4.

Traub, H. P. & Muller, H. J.

X-ray dosage in relation to germination of pecan nuts. Bot. Gaz. 95: 702-706. illus. Je. 1934. no.4.



Bot. Gaz. (cont.)

Wolfe, F.

Origin of adventitious roots in *Cotoneaster dammeri*. Bot. Gaz. 95: 686-694. illus.  
Je. 1934. no.4.

Zscheile, F. P. jr.,

An improved method for the purification of chlorophylls A and B; quantitative measurement of their absorption spectra; evidence for the existence of a third component of chlorophyll.  
Bot. Gaz. 95: 529-562. col.pl.x. Je.1934. no.4.

Bot.Mus. Leaflet. Harvard Univ. (451H262)

Ames, O.

A contribution to our knowledge of the orchids of Spanish Honduras. I. Bot. Mus. Leaflet. Harvard Univ. 2: 73-84. Je.12, 1934. no.5.

Bull. Min. Agr. Gt. Brit. (10G794B)

Bewley, W. F.

Common diseases of the tomato. Bull. Min. Agr. Gt. Brit. 77: 42-53. My.1934.

Bull. Pop. Inform. Morton Arb. (Lisle, Ill.) (99.9M84)

Kammerer, E. L.

What deciduous shrubs will endure shade?  
Bull. Pop. Inform. Morton Arb. 9: 9-12. Je.15, 1934. no.3.

Bull. Soc. Hist. Nat. Afr. Nord. (Alger) (410.9Sol25)

Werner, R. G.

Cultures pures des champignons des lichens incrustants. (Note préliminaire). Bull. Soc. Hist. Nat. Afr. Nord. 25: 130-137. My.1934. no.5.

Canad. Flor. (Peterboro, Ont.) (80C163)

Zimmerman, P. W. & Crocker, W.

Mercury injury to rose plants. Canad. Flor. 29: 173. Je.12, 1934. no.12.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Ehrlich, J.

The beech bark disease. A *Nectria* disease of *Fagus*, following *Cryptococcus fagi* (Baer.)  
Canad. Journ. Res. 10: 593-692. illus., ix pl.  
Je. 1934. Spec. no.

Considered a variety of *Nectria coccinea*.



Canad. Journ. Res. (cont.)

Kirk, L. E. & Armstrong, J. M.

A single factor mutation in *Melilotus alba* Desc. having multiple effects on homologous structures. Canad. Journ. Res. 10: 787-792. illus., pl. Je. 1934. no.6.

Lloyd, F. E.

Is *Roridula* a carnivorous plant? Canad. Journ. Res. 10: 780-786. illus., pl. Je. 1934. no.6.

Not carnivorous, tho many insects are caught in its balsam-like exudate. Other insects live with immunity on the plant and feed on the insects caught.

Manske, R. H. F.

The alkaloids of fumariaceous plants. X. *Dicentra oregana*, Eastwood. Canad. Journ. Res. 10: 765-770. Je. 1934. no.6.

Marion, L.

Non-basic constituents of the leaves and roots of *Adlumia fungosa*, Greene. Canad. Journ. Res. 10: 759-764. Je. 1934. no.6.

Chinese Journ. Physiol. (Pieping) (447.8044)

Chou, T. Q.

The alkaloids of Chinese *Corydalis ambigua*, Cham. et Sch. (Yen-Hu-So). IV-V. Chinese Journ. Physiol. 7: 35-39. illus. Mr.15, 1933; 8:155-159. illus. My.15, 1934. no.1,2.

Tai, L-S.

On the cultivation of a photosynthetic dinoflagellate (*Ceratium* sp.) Chinese Journ. Physiol. 8: 111-119. My.15, 1934. no.2.

Compt. Rend. Acad. Sci. Paris (505P21)

Beauverie, J.

La résistance individuelle des microorganismes et particulièrement des levures aux radiations ultraviolettes. Compt. Rend. Acad. Sci. Paris 198: 2017-2019. Je.4, 1934. no.23.

Blaringhem, L.

Hérédité en mosaïque du *Geranium pratense* L. var. *album striatum*. Compt. Rend. Acad. Sci. Paris 198: 2044-2047. Je.11, 1934. no.24.



Compt. Rend. Acad. Sci. Paris (cont.)

Chadefaud, M.

Signification morphologique des physodes des  
phéophycées. Compt. Rend. Acad. Sci. Paris  
198: 2114-2116. Je.11, 1934. no.24.

Chaze, J. & Janot, M.M.

Caractérisations chimiques des alcaloïdes  
volatils émis par la ciguë. Compt. Rend. Acad.  
Sci. Paris 198: 2015-2017. Je.4, 1934. no.23.

Chouard, P.

Sur la structure caractéristique du bulbe chez  
les scilles de la section *Euscilla* Chd. Compt.  
Rend. Acad. Sci. Paris 198: 2013-2015. illus.  
Je.4, 1934. no.23.

Colin, H. & Chaudun, A.

La composition du ciment intercellulaire.  
Compt. Rend. Acad. Sci. Paris 198: 2116-2118.  
Je.11, 1934. no.24.

Costantin, J.

Le problème des rouilles du blé et les  
montagnes. Compt. Rend. Acad. Sci. Paris 198:  
1955-1959. Je.4, 1934. no.23.

Daniel, L.

Variations des plantules d'*Helianthus*  
*dangcardi* à la septième génération sexuée.  
Compt. Rend. Acad. Sci. Paris 198: 1962-1965.  
illus. Je.4, 1934. no.23.

Flanzy, M.

Sur la présence de l'alcool méthylique dans les  
organes foliacés des végétaux. Relation entre cet  
alcool et le pigment chlorophyllien. Compt.  
Rend. Acad. Sci. Paris 198: 2118-2120. Je.11,  
1934. no.24.

Flous, F.

Un cas anormale d'évolution vasculaire.  
Compt. Rend. Acad. Sci. Paris 198: 2111-2114.  
illus. Je.11, 1934. no.24.

Fosse, R., Thomas, P.E. & Graeve, P. de

Allantoïne dextrogyre. Sa présence dans le  
règne végétale (*Platanus orientalis*) Compt.  
Rend. Acad. Sci. Paris 198: 1953-1955. Je.4,  
1934. no.23.



Compt. Rend. Soc. Biol. Paris (442.9P21)

Joyet-Lavergne, Ph.

Sur les anomalies sexuelles de *Zygosaccharomyces nadsonii*. Compt. Rend. Soc. Biol. Paris 116: 392-393. 1934. no.20.

Lenoir, M.

Les divisions II et III dans le sac embryonnaire du *Fritillaria imperialis* L. Compt. Rend. Soc. Biol. Paris 116: 442-443. 1934. no.20.

Current Science (Bangalore) (475Sci23)

Banerji, I.

Sterility of the female gametophyte of *Colocasia antiquorum*, Schott. Current Science 2: 432. illus. My.1934. no.11.

Biswas, K.

Some foreign weeds and their distribution in India and Burma. Current Science 2: 422-425. My. 1934. no.11.

Johri, B. M.

A note on the life history of *Sagittaria guayenensis* H.B.K. Current Science 2: 428-429. illus. My.1934. no.11.

Patrudu, S. S. & Murti, P. K.

Intergeneric cross in Cucurbitaceae. Current Science 2: 431. illus. My.1934. no.11.

Sarup, S.

Sex control in papaya. Current Science 2: 428. My.1934. no.11.

Tamhane, V. A. & Iyengar, M. A. S.

Salt tolerance of plants as induced by pre-treatment of seeds. Current Science 2: 436-437. My. 1934. no.11.

Experiments with wheat, *Dolichos lablab*, sorghum and barley. Seed treated with "NaCl solutions of different homeopathic concentrations".

Petalody in *Thespesia populnea* Cav. Current Science 2: 440-441. My.1934. no.11.



Cytologia (Tokyo) (442.8099)

Beadle, G. W.

Polymitotic maize and the precocity hypothesis of chromosome conjugation. Cytologia (Tokyo) 5: 118-121. D.1933. no.1.

Darlington, C. D.

The origin and behaviour of chiasmata. IX. Diploid and tetraploid Avena. Cytologia (Tokyo) 5: 128-134. illus. D.1933. no.1.

Husted, L.

Cytological studies on the peanut, Arachis. I. Chromosome number and morphology. Cytologia (Tokyo) 5: 109-117. illus. D.1933. no.1.

Katayama, Y.

Haploid formation by x-rays in Triticum monococcum. Cytologia (Tokyo) 5: 235-237. illus. Ja.1934. no.2.

Kuwada, Y. & Nakamura, T.

Behaviour of chromonemata in mitosis. II. Artificial unravelling of coiled chromonemata. Cytologia (Tokyo) 5: 244-247. pl.7. Ja. 1934. no.2.

Moll, W. E. de.

Die entstehungsweise anormaler pollenkörner bei hyazinthen, tulpen und narzissen. Cytologia (Tokyo) 5: 31-65. illus. D.1933. no.1.

Mol, E. E. de

Näheres über das vorfinden nebst dem experimentellen hervorrufen mehrchromosomiger und embryosackartiger pollenkörner bei diploiden und heteroploiden holländischen hyazinthenvarietäten. Cytologia (Tokyo) 5: 204-229. illus. Ja.1934. no.2.

Navashin, M.

Chromosome alterations caused by hybridization and their bearing upon certain general genetic problems. Cytologia (Tokyo) 5: 169-203. illus. pl.4. Ja. 1934. no.2.  
Experiments with Crepis.

Nebel, B. R.

Chromosome structure in Tradescantiae. IV. The history of the chromonemata in mitosis of Tradescantia reflexa Raf. Cytologia (Tokyo) 5: 1-14. illus. D.1933. no.1.



Cytologia (cont.)

Nishiyama, I.

The genetics and cytology of certain cereals.  
V. On the occurrence of an unexpected diploid in  
the progeny of pentaploid *Avena* hybrids.  
*Cytologia* (Tokyo) 5: 146-148. illus. D.1933. no.1.

Sansome, E. R.

Segmental interchange in *Pisum*. II. *Cytologia*  
(Tokyo) 5: 15-30. illus. D.1933. no.1.

Stow, I.

On the female tendencies of the embryosac-like  
giant pollen grain of *Hyacinthus orientalis*.  
*Cytologia* (Tokyo) 5: 88-108. illus., 2 pl. (1 col.)  
D. 1933. no.1.

Wada, B.

Ueber die entstehung der vakuolen im kern.  
*Cytologia* (Tokyo) 5: 248-252. pl.8. Ja.1934. no.2.  
Experiments with *Tradescantia*.

Deut. Landw. Presse (Berlin) (18D482)

Pape, H.

Federbuschsporenkrankheit des weizens.  
Deut. Landw. Presse 61: 255. col. suppl. pl.  
My.26, 1934. no.21.  
*Dilophospora alopecuri*.

Rademacher, B.

Erfahrungen über die wichtigsten krankheiten  
der ackerbohne und ihre bekämpfung. (cont.)  
Deut. Landw. Presse 61: 275. illus. Je.2, 1934.  
no.22.

Ecol. Monogr. (Durham) (410Ec72)

Weaver, J. E. & Fitzpatrick, T. J.

The prairie. *Ecol. Monogr.* 4: 113-295.  
illus. Ap.1934. no.2.

Flor. Exch. (N.Y.) (80F666)

A list of winter injured plants to check up  
against. *Flor. Exch.* 82(24): 21. Je.16, 1934.

Flor. Rev. (Chicago) (80W41)

Drought revives debate on damage of chlorinated  
water. *Flor. Rev.* 74(1907): 9-10. Je.14, 1934.



Gard. Chron. (London) (80G162)

Balls, E. K.

Plant collecting in Persia. XII. Kuh-Ajab.  
Gard. Chron. III, 95; 388-390. illus. Je. 9,  
1934. no.2476.

Turrill, W. B.

A new species of Aubrieta. Aubrieta glabrescens  
Turrill. Gard. Chron. III, 95; 384. Je. 9, 1934.  
no.2476.

Ward, F. K.

Garden labelling as a science. Gard. Chron.  
III, 95; 373. illus. Je. 2, 1934. no.2475.

Ward, F. K.

Hunting for rock plants in high Asia.  
Gard. Chron. III, 95; 390-391. Je. 9, 1934. no.2476.

Gartenfl. (Berlin) (80G19)

Liebsch, G.

Kulturwerte und seltene buntblattgewächse.  
VIII. Einige acanthaceen. Gartenfl. 83: 156-158.  
illus. Je. 1934.

Meyer, F.

Hellfarbige cypripedien. II. Die niveumgruppe.  
Gartenfl. 83: 151-156. illus. Je. 1934.

Werner, R.

Die winterhärte unserer schlingrosen und  
andere rankrosenfragen. I-II. Gartenfl. 83: 104-  
106, 162-164. Ap., Je. 1934.

Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia  
V, Fac. Agron.) (21So6)

Atanasov, D.

Sharka po slivite, ednamna virusna bolest  
(Plum pox, a new virus disease). Godishn. Sofi-  
isk Univ. V, Agron. Fak. (Ann. Univ. Sofia V. Fac.  
Agron.) 11: 49-70. illus. 1933.

Bulgarian with English summary.

Already entered as reprint.

Atanasov, D. & Martinov, St.

Zagivaneto na bręsta, Ceratostomella ulmi  
(Schwartz) Euisman, Graphium ulmi Schwarz (The  
Dutch elm disease in Bulgaria) Godishn. Sofiisk.  
Univ. V, Agron. Fak. (Ann. Univ. Sofia V. Fac. Agron.)  
11: 71-86. illus. 1933.

Bulgarian with English summary.

Already entered as reprint.



Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) (cont.)

Khristov, M.

Onaslediavane na bezklorofilnostüta pri Nicotiana alata (The inheritance of albino-seedlings in Nicotiana alata). Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) 11: 645-664. 1933.

Bulgarian with English summary.

Ruskov, M.

Opit za izuchavana razvitieta na trevnata pokrivka na golitë sëchishcha v nizkostüblenitë gori (Versuch eines studiums von der entwicklung der gras - und krautvegetation der kahlschläge in der niederwäldern). Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) 11: 547-564. 1933.

Bulgarian with German summary. Vorläufige mitteilung.

Staikov, T.

Izsledvaniia värkhu nikotina v tüütüunite (Untersuchungen über das nicotin im tabak). Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) 11: 463-492. 1933.

Bulgarian with German summary.

Stefanov, B.

Sistematischeski i geografiski prouchvaniia värkhu mediteransko-orientalskitë vidove na roda Hypericum L. (Systematische und geographische studien über die mediteran-orientalischen arten der gattung Hypericum L.) Godishn. Sofiisk. Univ. V., Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) 11:139-186. 1933

Bulgarian with Latin diagnoses.

Godishn. Sofiisk. Univ. III, Fiz.-Mat. Fak. (Annuaire Univ. Sofia. III, Fac. Phys-Math.) (511So62)

Bürzakov, B.

Kharakteristika na gübnata flora po Vitosha (Charakteristik der pilzflora des Witoschagebirges). Godishn. Sofiisk. Univ. III, Fiz.-Mat. Fak. (Annuaire Univ. Sofia III, Fac. Phys.-Math.) 29(3, Sci. Nat.): 49-92. 1933.

Bulgarian with German summary.

Hadar (Jaffa) (80H11)

Reichert, I.

The state of research in citrus diseases in Palestine. Hadar 7: 115-117. Ap./My.1934. no.4/5.



Hereditas (Lund) (442.8H42)

Gustafsson, A.

Die formenbildung der total-apomikten. (The origin of new forms in totally apomictic foims).

Hereditas 19: 259-283. illus. 1934. no.3.

English summary: p.282.

Håkansson, A.

Chromosomenbindungen in einigen kreuzungen zwischen halbsterilen erbsen. Hereditas

19: 341-358. illus. 1934. no.3.

English summary: p.357-358.

Mather, K.

The behaviour of meiotic chromosomes after x-irradiation. Hereditas 19: 303-322. illus. 1934. no.3.

Müntzing, A.

Chromosome fragmentation in a Crepis hybrid.

Hereditas 19: 284-302. illus. 1934. no.3.

Rasmusson, J.

Genetically changed linkage values in Pisum.

II. Segregation of linkage intensity in crosses.

Hereditas 19: 323-340. 1934. no.3.

Intern. Bull. Plant Prot. (464.8In8)

Bouriquet, G.

Madagascar: List of the parasites and diseases of cultivated plants. Intern. Bull. Plant Prot.

8: 99-100. My.1934. no.5.

Patel, M.K.

India: Diseases in the Bombay Presidency.

Intern. Bull. Plant Prot. 8:98. My.1934. no.5.

Iowa State Coll. Journ. Sci. (Ames, Ia.) (470Io9)

Erwin, A. T.

Sweet corn, its origin and importance as an Indian food plant in the United States. Iowa

State Coll. Journ. Sci. 8: 385-389. Ap.1934. no.3.

Martin, J. N.

The plasmodesms in the leaves and stems of some angiosperms. Iowa State Coll. Journ. Sci.

8: 449-459. pl. Ap. 1934. no.3.

Jardinage (Paris) (80J282)

Davet, J.

Determination pratique des champignons parasites des rosiers. Jardinage 22(184): 12-13.

illus. Je. 1934



Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Cochran, H. L.

Abnormalities in the flower and fruit of  
*Capsicum frutescens*. Journ. Agr. Res. 48:  
737-748. illus. Ap.15, 1934(Rec'd Je.22)  
no.8.

Evans, M.W. & Allard, H. A.

Relation of length of day to growth of  
timothy. Journ. Agr. Res. 48:571-586.  
illus. Ap.1, 1934(Rec'd Je.22) no.7.

Jodidi, S. L. & Boswell, V. R.

Chemical composition and yield of the Alaska  
pea as influenced by certain fertilizers and by  
the stage of development. Journ. Agr. Res.  
48: 703-736. Ap.51, 1934(Rec'd Je.22) no.8.

Lambert, E. B. & Davis, A. C.

Distribution of oxygen and carbon dioxide in  
mushroom compost heaps as affecting microbial  
thermogenesis, acidity, and moisture therein.  
Journ. Agr. Res. 48: 587-601. illus. Ap.1,  
1934. no.7. (Rec'd Je.22)

Larson, R. H. & Walker, J. C.

Soil treatment in relation to clubroot of  
cabbage. Journ. Agr. Res. 48: 749-759.  
Ap.15, 1934(Rec'd Je.22) no.8.

Taylor, J. W.

Irregularities in the inheritance of the  
hairy neck character transposed from *Secale* to  
*Triticum*. Journ. Agr. Res. 48: 603-617.  
illus. Ap.1, 1934.(Rec'd Je.22) no.7.

Tingey, D. C. & Tolman, B.

Inheritance of resistance to loose smut in  
certain wheat crosses. Journ. Agr. Res. 48:  
631-655. illus. Ap.1,1934 (Rec'd Je.22) no.7.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Kemp, W. B. & Henson, P.R.

The effect of types of endosperm upon carbohy-  
drate distribution in the mature corn plant.  
Journ. Amer. Soc. Agron. 26: 519-524. Je.1934  
no.6.

Peltier, G. L. & Kiesselbach, T. A.

Inducing early fruiting in winter wheat by  
seed activation. Journ. Amer. Soc. Agron. 26:  
503-506. illus. Je.1934. no.6.



Journ. Counc. Sci. & Industr. Res. Austral. (Melbourne) (514Au72J)

Angell, H. R.

A preliminary note on the recognition of flag smut or bunt infection based on the deformation of seedlings. Journ. Counc. Sci. & Industr. Res. Austral. 7: 110-112. 2 pl. My. 1934. no.2.

West, E. S.

The root distribution of some agricultural plants. Journ. Counc. Sci. & Industr. Res. Austral. 7: 87-93. illus. My. 1934. no.2.

Journ. Dept Agr. West Austral. (Perth) (23W52J)

Pittman, H. A.

Virus disease of plants. With particular reference to the spotted or bronzy wilt disease of tomatoes. Journ. Dept. Agr. West. Austral. II,11: 123-140. illus. Mr. 1934. no.1.

Journ. Econ. Entom. (Geneva, N.Y.) (421J822)

Beattie, R. K.

The new outbreak of the Dutch elm disease. Journ. Econ. Entom. 27: 569-572. Je.1934. no.3.

Journ. Hered. (Washington) (442.8Am3)

Doak, C. C.

A new technique in cotton hybridizing. Journ. Hered. 25:201-204. illus. My.1934 no.5.

Suggested changes in existing methods of emasculating and bagging cotton flowers.

Eyster, W. H.

Heritable characters in maize 48. Dwarf. Journ. Hered. 25: 191-193. illus. My. 1934. no.5.

Kelley, J. P.

The "eye" of Phlox. Journ. Hered. 25: 183-186. illus. My. 1934. no.5.

Journ. Jamaica Agr. Soc. (Kingston) (8J323)

Smith F. E. V.

Report on pimento disease in the parish of Manchester. Journ. Jamaica Agr. Soc. 38: 276-279. My.1934. no.5.

...appears to be of the genus Hemileia.

Journ. Min. Agr. Gt. Brit. (10G79J)

Smith, K. M.

The mosaic disease of sugar-beet and related plants. Journ. Min. Agr. Gt. Brit. 41: 269-274. 3 pl. Je.1934. no.3.



Journ. N.Y. Bot. Gard. (89N48J)

Alexander, E. J.

Report of the southern Appalachian expedition.

II. Journ. N.Y. Bot. Gard. 35: 132-139.

illus. Je. 1934. no.414.

Stout, A. B. & Schreiner, E. J.

Hybrids between the necklace cottonwood and the large-leaved aspen. Journ. N.Y. Bot. Gard. 35: 140-143. illus. Je.1934. no.414.

*Populus balsamifera virginiana* x *P. grandidentata*.

Teuscher, H.

Hardiness in plants. Journ. N.Y. Bot. Gard.

35: 121-131. Je.1934. no.414.

Journ. Agr. Prat. (Paris) (14J82)

Bormans, P.

La rouille noire. Journ. Agr. Prat. 98:

459-461. Je.9, 1934. no.23.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

Ueber die blüte und frucht der *Neowerdermannia vorwerkii* Fric. Kakteenk. Deut. Kakteen-Ges. 1934: 109-110. illus. Je. 1934. no.6.

K. Landbr.-Akad.Handl. o Tidsskr. (Stockholm) (104Sw3)

Hesselman, H.

Sven Oäs. K. Landtbr.-Akad. Handl. o.

Tidsskr. 73: 101-109. port. 1934. no.2.

Meded. Besoek. Proefstat. (Buitenzorg) (109.5B46M)

Jacob, J. C. s'

Een nieuwe bibitziekte in de Besoeki tabak, (A new disease of tobacco-seedlings). Meded. Besoek. Proefstat. 50: 53-61. 7 pl. 1934.

English summary: p.60-61. *Pythium aphanidermatum*.

Reydon, G. A.

Droge en natte kollot (*Rhizoctonia* en *Phytophthora*) op de tabaksbedden. (The occurrence of *Rhizoctonia* and *Phytophthora* on the tobacco nurseries in the residence of Besoeki (Java).) Meded. Besoek. Proefstat. 50: 41-51. illus. 1933.

English summary: p.51.



Meded. Besoek. Proefstat. (cont.)

Schweizer, J.

Tjemaraziekte bij tabak. (Tjemara-krankheit beim tabak). Meded. Besoek. Proefstat. 50: 1-28. 9 pl. 1933.

German summary: p.24-27: Physiological disease.

Missouri Bot. Gard. Bull. (St.Louis) (89M69B)

Fairburn, D. C.

Artificial light and plant growth. Missouri Bot. Gard. Bull. 22: 145-146. pl.41. Je.1934. no.6.

Mitt. Landw. (Berlin) (18D48M)

Pape, H.

Kleekrebsbekämpfung. Mitt. Landw. 49: 521-522. illus. 1934. no.24.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Burchard, O.

Mesembryanthemum aurantiacum grandiflorum hort. Burch. Möller's Deut. Gärtn.-Zeit. 49: 170-171. illus. My.31, 1934. no.15.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Vogel, F.

Ueber den einfluss des standorts auf das bitterwerden und die erträge der treibgurke. Nachrichtenbl. Deut. Pflanzenschutzd. 14: 60. Je.1934. no.6.

Nature (London) (472N21)

Renouf, L. P. W.

Zostera disease on the coast of County Cork, I.F.S. Nature 133: 912. Je.16, 1934. no.3372.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Allan, H.H.

Notes on recently observed exotic weeds. 8. Horse nettle and Buffalo bur. New Zeal.Journ. Agr. 48: 295-300. illus. My.21, 1934. no.5.

Hadfield, J. W. & Calder, R. A.

The oat varieties of New Zealand. New Zeal. Jour. Agr. 48: 257-269. illus. My. 21, 1934. no.5.



Ohio Journ. Sci. (Columbus) (4100h3)

Schaffner, J. H.

Additions to the revised catalog of Ohio vascular plants. II. Ohio Journ. Sci. 34: 165-174. My.1934. no.3.

Stover, E. L.

Development and differentiation of tissues in the stem tips of grasses. Ohio Journ. Sci. 34: 150-160. illus.,pl.i-iii. My.1934. no.3.

Orchid Rev. (Richmond, Engl.) (800r15)

Ashton, E. R.

Orchids in the West Indies. Orchid Rev. 42: 169-179. illus. Je. 1934. no.492.

Hurst, C. C.

Soprocattlaelia nevada: a selfed trigeneric hybrid. Orchid Rev. 42: 182-183. Je.1934. no.492.

Pflanzenbau (Berlin) (18P48)

Ullmann, W.

Die züchtung der kleeartigen futterpflanzen ausserhalb des Deutschen reiches: I. Vereinigte staaten von Nordamerika, Alaska, Grossbritannien und Irland. Pflanzenbau 10: 426-444. My. 1934. no.11.

Proc. Leeds Phil. & Lit. Soc. Sci. Sect. (501L51)

Loose, L., Pearsall, W. H. & Willis, F. M.

Carbon assimilation by Chlorella in Windermere. Proc. Leeds Phil. & Lit. Soc. Sci. Sect. 2: 519-524. Ja. 1934. no.11.

Proc. Nat. Acad. Sci. (500N21P)

Bonner, J.

Studies of the growth hormone of plants. V. The relation of cell elongation to cell wall formation. Proc. Nat. Acad. Sci. 20: 393-397. Je.1934. no.6.

East, E. M.

The reaction of the stigmatic tissue against pollen-tube growth in selfed self-sterile plants. Proc. Nat. Acad. Sci. 20: 364-368. Je.1934. no.6.

Experiments with Nicotiana glauca.

Proc. Southeast. Pecan Grow. Assoc. (94.69G29)

Demaree, J. B. & Large, J. R.

Some injurious effects of Bordeaux mixture on pecan trees. Proc. Southeast. Pecan Grow. Assoc. 28(1934): 20-29. 1934.



- Proc. Southeast. Pecan Grow. Assoc. (cont.)  
Demaree, J. B., Fowler, E. D. & Crane, H. L.  
Summary of results of recent experiments  
to control pecan rosette with zinc sulphate.  
Proc. Southeast. Pecan Grow. Assoc. 28(1934):  
29-37. 1934.
- Progr. Agr. & Vitic. (Montpellier) (14P94)  
Goimard,  
Nouvelle hypothèse sur la chlorose de la  
vigne. Progr. Agr. et Vitic. 101: 546-549.  
Je.10, 1934. no.23.
- Queensl. Agr. Journ. (Brisbane) (23Q33)  
White, C. T.  
Queensland weeds. II. Mist flower (*Eupatorium  
riparium*). Queensl. Agr. Journ. 41: 519-520.  
illus. My.1, 1934. no.5.
- Res. Bull. Coll. Exp. For. Coll. Agr. Hokkaido Imp. Univ.  
(J99.9H68)  
Tatewaki, M. & Iwama, K.  
Report on the ecological survey of the Teshio  
experimental forest, Hokkaido, I. The plant  
succession of the forest after the fires in the  
Teshio second experimental forest. Res. Bull.  
Coll. Exp. For. Coll. Agr. Hokkaido Imp. Univ.  
9: 29-136. illus., 3 pl. 1934. no.1.
- Rev. Bot. Appl. (Paris) (26R323)  
Chevalier, A.  
La culture du durian au Cambodge. Rev. Bot.  
Appl. 14: 350-353. My.1934. no.153.
- Chevalier, A.  
Nouveaux caféiers du Congo Belge. Rev. Bot.  
Appl. 14: 353-354. My.1934. no.153.  
*Coffea becquetii* n.sp.
- Emmanuel, F.  
Les altérations de pigment chlorophyllien;  
les panachures. Rev. Bot. Appl. 14: 343-349.  
My. 1934. no.153.
- Gagnepain, F.  
Deux espèces distinctes sous le nom d'*Aleurites  
cordata* R.Br. Rev. Bot. Appl. 14: 338-340.  
My. 1934. no.153.



Rev. Bot. Appl. (cont.)

Ghesquière, J.

L'*Elaeis guineensis* Jacq. est-il africain ou américain? Rev. Bot. Appl. 14: 340-343.  
My. 1934. no.153.

Russell, W.

Les aleurites producteurs d'huiles. Rev. Bot. Appl. 14: 335-337. My. 1934. no.153.

Rev. Bryol. & Lichénol. (Paris) (450R325)

Abbeyes, H.d.

Notes critiques sur quelques lichens armoricains. 1-3. Rev. Bryol. & Lichénol. n.s., 6: 68-77. Ap.30, 1934. no.1/4.

1. *Bilimbia corisopitensis* Picq. et *Lecanactis premnea* Arn. 2. *Ramalina farinacea* Ach. et *Ramalina angustissima* Wain. ( *R.subfarinacea* Nyl.). 3. *Parmelia dissecta* Nyl.

Allorge, P.

Contribution à la flore bryologique de Maroc espagnol. Rev. Bryol. & Lichénol. n.s.,6: 206-208. Ap.30, 1934. no.1/4.

Allorge, P.

Leçon inaugurale du cours de cryptogamie. Rev. Bryol. & Lichénol. n.s.,6: 179-199. Ap.30, 1934. no.1/4.

Bartram, E. B.

Mosses of the River Napo, Ecuador. Rev. Bryol. & Lichénol. n.s.,6: 9-18. illus. Ap.30, 1934. no.1/4.

Culmann, P.

Un îlot de mousses atlantiques dans les Alpes françaises. Rev. Bryol. & Lichénol. n.s.,6: 78-89. Ap.30,1934. no.1/4.

Dixon, H. N.

The nomenclature of the species muscorum. Rev. Bryol. & Lichénol. n.s.,6: 93-115. Ap.30, 1934. no.1/4.

Gyelnik, V.

Lichenes weissiani e Java. Rev. Bryol. & Lichénol. n.s.,6: 171-174. Ap.30, 1934. no.1/4.  
*Lobaria subinterversans*, *L. weissii*, *Sticta kitaibeliana*, *Pseudocyphellaria subdemutabilis*, *Cladonia pseudodigitata*, *C. pseudokrempelhuberi* n.spp.

1870

1871

1872

1873

1874

1875

1876

1877

1878

1879

1880

1881

1882

1883

1884

1885

Rev. Bryol. & Lichénol. (cont.)

Gyelnik, V.

Was ist Placodium? Rev. Bryol. & Lichénol. n.s.,6: 204-205. Ap.30, 1934. no.1/4.

Hillier, L.

Aperçu bryologique sur la forêt de la Serre (Jura). 2. Rev. Bryol. & Lichénol. n.s.,6: 119-131. Ap.30, 1934. no.1/4.

Jaeggli, M.

Muschi arboricoli del Cantone Ticino (regione del Castagno, 200-1000 m.) Rev. Bryol. & Lichénol. n.s.,6: 23-67. illus., pl. ii. Ap.30, 1934. no.1/4.

Contributo alla briologia ticinese. VIII.

Jovet, P.

Muscinées de quelques cimetières parisiens urbains. Rev. Bryol. & Lichénol. n.s.,6: 175-178. Ap.30, 1934. no.1/4.

Notes de Bryologie urbaine. II.

Khanna, L. P.

A new species of Notothylas from Rangoon. Rev. Bryol. & Lichénol. n.s.,6: 116-118. illus. Ap.30, 1934. no.1/4.

Notothylas verdoorni.

Moruzi, C.

Note sur quelques lichens recueillis dans les Carpathes par M. le Docteur Woloszczak. Rev. Bryol. & Lichénol. n.s.,6: 19-22. Ap.30, 1934. no.1/4.

Papp, C.

Contribution à la monographie du Polytrichum juniperinum Willd. Rev. Bryol. & Lichénol. n.s. 6: 154-169. pl. iii-iv. Ap.30, 1934. no.1/4.

Potier de la Varde, R.

Mousses nouvelles de l'Afrique tropicale française. (Diagnoses préliminaires) VIII. Rev. Bryol. & Lichénol. n.s.,6: 132-153. illus. Ap.30, 1934. no.1/4.

Redinger, K.

Eine bemerkenswerte wachstumsweise von Coenogonium linkii Ehrenb. Rev. Bryol. & Lichénol. n.s.,6: 201-203. illus. Ap.30, 1934. no.1/4.



Rev. Bryol. & Lichénol. (cont.)

Redinger, K. M.

*Cryptothecia malmei* Redgr. n.sp. aus Brasilien.

Rev. Bryol. & Lichénol. n.s., 6: 90-92. illus.

Apr.30, 1934. no.1/4.

Störmer, P.

Un cas de capsules jumelles chez *Anoetangium compactum* Schwaegr. Rev. Bryol. & Lichénol. n.s., 6: 200. illus. Apr.30, 1934. no.1/4.

Theriot, I.

François-Hippolyte Dupret (1853-1932).

Rev. Bryol. & Lichénol. n.s., 6: 5-8. pl.i.

Apr.30, 1934. no.1/4.

Rev. Gén. Bot. (Paris) (45OR326)

Cozic,

Etude biochimique de *Bacterium xylinum*.

(concl.) Rev. Gén. Bot. 46: 337-359. Je.1934. no.546.

Friedel, J.

A propos de deux papavéracées aberrantes: l'*Oceanopapaver neo-caledonicum* Guillaumin et le *Meconopsis chelidonifolia* Bur. et Franch. Application de l'anatomie a l'étude de la filiation; esquisse d'une méthode. Rev. Gén. Bot. 46: 321-331. illus. Je.1934. no.546.

Garnier, G.

Influence de l'étirement sur les cellules végétales. I. Rev. Gén. Bot. 46: 332-336. pl. xiii-xviii. Je. 1934. no.546.

Teodoresco, E. C.

Le développement des algues et la réfrangibilité de la lumière (concl.) Rev. Gén. Bot. 46: 360-384. illus. Je.1934. no.546.

Rev. Hort. (Paris) (8OR32)

Arnaud, G. & Barthelet, J.

Les chancres du cédrelier. Rev. Hort. 106: 140-143. illus. Je.16, 1934. no.6.

Guinet, C.

L'étiquetage des plantes au jardin botanique du Muséum d'histoire naturelle de Paris. Rev. Hort. 106: 139-140. illus. Je.16, 1934. no.6.

Jahandiez, E.

Les plantes grasses autres que les cactées. Les crassulacées. Rev. Hort. 106: 129-130. illus. Je.16, 1934. no.6.



Rev. Soc. Rur. Brasil. (São Paulo) (9.2B733)

Bittancourt, A.

A leprose. Rev. Soc. Rur. Brasil. 14(165):

48-49. illus. My.1934.

From "Revista Citricola".

Rev. Zool. et Bot. Afr. (410R326)

Chermezon, H.

Cypéracées nouvelles du Congo Belge.

Rev. Zool. et Bot. Afr. 24: 294-299. My.5,

1934. no.3.

Ghesquière, J.

Description d'un Cassia nouveau pour la  
flore malgache. Rev. Zool. et Bot. Afr.

24: 264-265. My.5, 1934. no.3.

C.leandri.

Staner, P. & De Craene, A.

Contribution à l'étude des especes africaines  
du genre Eriosema Desv. Rev. Zool. et Bot. Afr.

24: 284-291. My.5, 1934. no.3.

Riv. Patol. Veg. (Pavia) (464.8R52)

Ferraris, T. & Lindegg, G.

Biancore delle spiche e sporotricosi. Riv.

Patol. Veg. 24:269-285. illus. My./Je. 1934.

no.5/6.

Manzoni, L.

Rassegna dei principali casi fitopatologici  
osservati a Conegliano nel 1933. Riv. Patol.

Veg. 24: 165-216. illus. My./Je. 1934. no.5/6.

Pasinetti, L.

L'esaltazione e la depressione della termogene-  
si negli eumiceti patogeni delle piante irradiati  
con raggi X. Memoria II. Riv. Patol. Veg. 24:

217-259. My./Je. 1934. no.5/6.

Preti, G.

Una epidemia di Heterodera radicecola in  
piante di garofani Dianthus caryophyllus.

Riv. Patol. Veg. 24: 261-267. illus. My./Je. 1934.

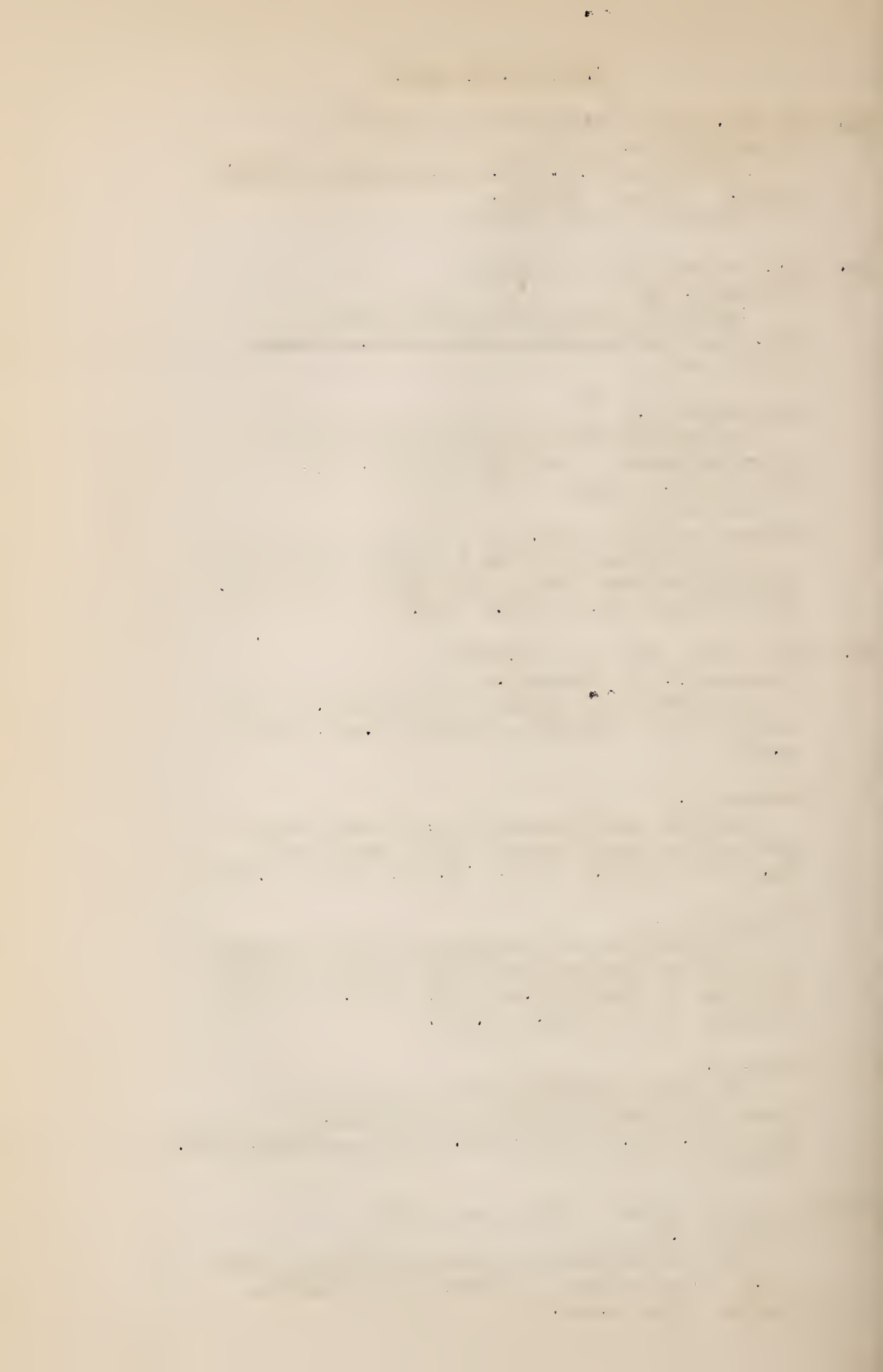
no.5/6.

Romagna Agr. e Zootecn. (Ravenna) (16R66)

Boschini, G.

Brevi considerazioni intorno alla moria degli  
olmi. Romagna Agr. e Zootecn. 28: 151-158.

Ap./My. 1934. no.4/5.



Science (470Sci2)

Clark, N. A. & Thomas, B. H.

Microorganisms and vitamin production in green plants. Science 79: 571-572. Je.22, 1934. no.2060.

Sparrow, F. K., jr.

The occurrence of true sporangia in the Physoderma disease of corn. Science 79: 563-564. Je.22, 1934. no.2060.

Wollenweber, H. W.

Fusarium bactridioides sp.nov., associated with Cronartium. Science 79: 572. Je.22, 1934. no.2060.

The growth of animals and plants in heavy water. Science v.79, no.2060, Suppl. p.7. Je.22, 1934.

Experiments of Drs. H.Q. Woodard and L.C. Chesley reported at American chemical society meeting at Berkeley.

Marcus E. Jones. Science 79: 556. Je.22, 1934. no.2060.

Killed in automobile accident, June 3, 1934.

Sitzungsb. Naturf. Ges. Univ. Tartu (511D73)

Juhans, J.

Ueber samenkrankheiten in Estland. Sitzungsb. Naturf. Ges. Univ. Tartu 40: 239-243. 1934. no.3/4.

Lepik, E.

Verzeichnis der in sommer 1932 in Lappland gesammelten pilze. Sitzungsb. Naturf. Ges. Univ. Tartu 40: 225-238. illus. (map) 1934. no.3/4.

Soil Sci. (Baltimore) (56.8So3)

Clark, H.E. & Shive, J.W.

The influence of the pH of a culture solution on the assimilation of ammonium and nitrate nitrogen by the tomato plant. Soil Sci. 37: 459-476. Je. 1934. no.6.

Sucrerie Belge. (66.8Sul)

Verplancke, G.

Etude comparative de glomerules de betteraves. Sucrerie Belge 53: 361-377, 385-392. illus. Je.1,15, 1934. no.19,20.



V.16, no.13, p.24a.

Das Superphosphat (Berlin) (57.8Su72)

Ehrenberg, P.

Professor Dr. Otto Nolte. Das Superphosphat  
10: 49-50. port. My. 1934. no.3.

Died May 5, 1934, at 47 years.

Görbing, J.

Auswinterungsschäden 1933/34. Das  
Superphosphat 10: 62-67. illus. My.1934.  
no.3.

Tasmanian Journ. Agr. (23T182T)

Sherwin, R. A.

The effect of phosphates on the germination  
of turnip seed. Tasmanian Journ. Agr. 5: 73-74.  
illus. My.1, 1934. no.5.

Texas Citricult. (80T31)

Tomato diseases and their control. Texas  
Citricult. 10(12): 7,11,13. illus. Jo.1934.

Outline of diseases and methods of control  
given by W.J. Bach.

Tidsskr. Planteavl. (København) (11T439)

Bacher, T.

Dyrkningsforsøg med sorter og stammer af  
tomater i væksthus. 1929-33. Tidsskr.  
Planteavl. 40: 79-104. 1934. no.1.

Jørgensen, C. A.

Nogle undersøgelser over plantesygdomme med  
frøsmitte. Tidsskr. Planteavl. 40: 119-147.  
illus. 1934. no.1.

Nielsen, O.

Kartoffelsorter og kartoffelsygdomme. Fortsatte  
orienterende undersøgelser. Tidsskr. Planteavl.  
40: 105-118. illus. 1934. no.1.

Trans. Illinois Acad. Sci. (500I16)

Bailey, W. M.

Structural and metabolic after-effects of  
soaking seeds of Phaseolus. Trans. Illinois  
Acad. Sci. 25(1932/33): 109-112. 1934. no.4.

Carter, D. O. & Duncan, G. H.

Some observations on the function of corn  
tillers. Trans. Illinois Acad. Sci. 25(1932/33):  
114-115. 1934. no.4.

1870

1871

1872

1873

1874

1875

Trans. Illinois Acad. Sci. (cont.)

Dorsey, M. J.

An evaluation of bud sports in the apple.  
Trans. Illinois Acad. Sci. 25(1932/33): 118-  
119. 1934. no.4.

Green, E. E.

The physiographic and horticultural ecology  
of the Beverly (Blue Island) Ridge. Trans.  
Illinois Acad. Sci. 25(1932/33): 122-123.  
1934. no.4.

Hauge, S. M. & Holmes, S. A.

A report of mosses collected from Coles and  
Crawford counties, Illinois. Trans. Illinois  
Acad. Sci. 25(1932/33): 124-126. 1934. no.4.

Isenberger, J.

A contrast of plant habitats, with reference  
to hydrogen-ion concentration and plant distri-  
bution. Trans. Illinois Acad. Sci. 25(1932/33):  
126-128. 1934. no.4.

Noé, A. C.

Recent studies of the morphology of plants from  
the Pennsylvanian of Illinois. Trans. Illinois  
Acad. Sci. 25(1932/33): 129. 1934. no.4.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Miles, L. E.

The rusts of Mississippi. U.S. Dept. Agr.  
Plant Dis. Rep. 18: 54-73. Je.15, 1934. no.6.

U.S. Dept. Agr. Yearbk. (1Ag84Y)

Beattie, R. K.

Dutch elm disease now serious around New York;  
entered country in logs. U. S. Dept. Agr. Yearbk.  
1934: 188-190. illus. 1934.

Brown, B. E.

Magnesium deficiency in certain soil types  
reduces potato yields. U. S. Dept. Agr. Yearbk.  
1934: 258-261. illus. 1934.

Caldwell, R. M.

Wheat leaf rust lowers milling and baking  
qualities. U.S. Dept. Agr. Yearbk. 1934: 368-  
369. illus. 1934.



U.S. Dept. Agr. Yearbk. (cont.)

Clayton, E. E.

Tobacco-disease control necessitates a wide variety of measures. U.S. Dept. Agr. Yearbk. 1934: 353-355. illus. 1934.

Cottam, C.

Eelgrass disappearance has serious effects on waterfowl and industry. U.S. Dept. Agr. Yearbk. 1934: 191-193. illus. 1934.

Coville, F. V.

Chance tree hybrids of fast growth inspire timber-tree breeding. U.S. Dept. Agr. Yearbk. 1934: 158-160. 1934.

Hill, R. R.

Grazing loss by poisonous plants reduced on ranges by eradication of plants. U.S. Dept. Agr. Yearbk. 1934: 239-241. illus. 1934.

Holbert, J. R.

Plant breeders make progress in developing disease-resistant corn. U.S. Dept. Agr. Yearbk. 1934: 285-287. illus. 1934.

Popham, W. L.

Barberry eradication betters quality and production of grain. U.S. Dept. Agr. Yearbk. 1934: 146-147. 1934.

Stevens, N. E.

Plant-disease control important in efforts to regulate production. U.S. Dept. Agr. Yearbk. 1934: 287-288. 1934.

Stout, O. V. P.

Irrigation of weeds and other noncrop plants costly and unprofitable. U. S. Dept. Agr. Yearbk. 1934: 250-253. 1934.

Waite, M. B.

Zinc proves useful in the control of some plant diseases. U.S. Dept. Agr. Yearbk. 1934: 380-382. illus. 1934.

Winston, J. R.

Citrus fruit resists stem-end rot better by newer borax treatment. U.S. Dept. Agr. Yearbk. 1934: 161-162. 1934.



U.S. Dept. Agr. Yearbk. (cont.)

Wyckoff, S. N.

Blister rust control program gives high degree of protection. U.S. Dept. Agr. Yearbk. 1934: 152-153. 1934.

Univ. Calif. Publ. Bot. (Berkeley) (500C125B)

Elvers, I.

Interspecific hybridization in *Nicotiana* XIV. The cytology of  $F_1$  *glutinosa* x *tomentosa*. Univ. Calif. Publ. Bot. 17: 341-353. illus. 1934. no.11.

Verh. Naturf. Ges. Basel. (508B29)

Aellen, P.

Die arten der sect. *Orthosporum* R.Br. der gattung *Chenopodium* L. Verh. Naturf. Ges. Basel 44: 308-318. illus. 1933. no.1.

Becherer, A.

Zur kenntnis des formenkreises von *Poa alpina* L. Verh. Naturf. Ges. Basel 44: 325-335. 1933. no.1.

Binz, A.

Ueber die flora von Rheinfeldern-Olsberg. Verh. Naturf. Ges. Basel. 44: 285-302. 1933. no.1.

Boulenger, G. A.

Les roses du Yémen. Verh. Naturf. Ges. Basel 44: 275-284. 1933. no.1.

Heinis, F.

Die pflanzengesellschaften der Richtiflugh bei Waldenburg. Verh. Naturf. Ges. Basel 44: 336-364. 1933. no.1.

Rytz, W.

Das herbarium Felix Platters. Ein beitrag zur geschichte der botanik des xvi. jahrhunderts. Verh. Naturf. Ges. Basel 44: 1-222. illus. 1933. no.1.

Schiöpp, O.

Die arbeiten Carl Nägelis zur entwicklungsgeschichte der blätter. Verh. Naturf. Ges. Basel 44: 223-274. illus. 1933. no.1.

Senn, G.

Die systematik der nordost-mediterranen Pinusarten in Theophrasts Pflanzenkunde III. 9. 1-5. Verh. Naturf. Ges. Basel 44: 365-400. 1933. no.1. Theophrastus De historia plantarum III.



Verh. Naturf. Ges. Basel (cont.)

Thommen, E.

Albanische pflanzennamen. Verh. Naturf. Ges. Basel 44: 319-324. 1933. no.1.

Vischer, W.

Ueber das vorkommen von palmenstämmen (*Sabal major* Ung.) im stampien von Dornachbrugg bei Basel. Verh. Naturf. Ges. Basel 44: 303-307. illus., ii pl. 1933. no.1.

Vict. Nat. (Melbourne) (410V66)

Tadgell, A. J.

Manna and its concomitants. Vict.Nat. 51: 24-25. My. 1934. no.1.

On *Eucalyptus viminalis*.

Visnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kyiv) (451K54)

Finn, V. V.

Do embriologii ta kariologii rodu *Cuscuta* (Zur embryology and karyologie der gattung *Cuscuta*)

Visnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kyiv)

16: 51-66. 1933.

Ukrainian with German summary. Preliminary report.

Gizhitska, Z.

Deiaki propozitsii do suchasnoï nomenklaturi gri-biv (Some suggestions on the nomenclature of fungi)

Visnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kyiv)

16: 31-32. 1933.

Ukrainian and English.

Gizhitska, Z.

Pro prorostannia spor *Merulius* (Gmncrp.) *lacrymans*

Schm.u riznikh umovakh reaktsii seredovishcha (On the germination of spores of *Merulius* (Gmncrp.) *lacrymans* Schm. in different media)

Visnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kyiv) 16:33-38. 1933.

Ukrainian with English summary.

Gizhitska, Z.

Novitates pro flora mycologica. Visnik

Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kyiv) 16: 43-

44. pl. 1933.

Ukrainian with Latin diagnoses (*Septoria cucumeris*, *Pedilospora jacevskii*, *Ttiposporium tranzschelii*, *Spira nymovii* n.spp.)



Visnik Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kyiv) (cont.)  
Gizhitska, Z.

Pro vpliv na gribnitsiû i spori *Merulius*  
(*Gmncrp.*) *lacrymans* Schm. niz'kikh i visokikh  
temperatur (On the effect of ghih and low  
temperatures on the mycelium and spores of  
*Merulius lacrymans*). Visnik Kiïvs. Bot.  
Sadu (Bull. Jard. Bot. Kyiv) 16: 39-41. 1933.

Ukrainian with English summary.

Grinj, F. & Mikhaïlichenko, V.

Materiali do flori skhidnogo Podillia (Materialien  
zur flora des östlichen Podiljer gebiet) Visnik  
Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kyiv) 16: 45-  
50. 1933.

Ukrainian with German summary.

Illichevsky, S.

Materiali do flori okolits m. Chernigova (Con-  
tributions to the flora of Chernigov) Visnik  
Kiïvs. Bot. Sadu (Bull. Jard. Bot. Kyiv) 16: 17-29.  
1933.

Ukrainian with brief English summary.

Kleopov, Iu. D. & Grinj, F.O.

Pro umovi rostu ta istoriiû *Evonymus nana* M.B. v  
Pontiis'kii oblasti (Ueber die bedingungen des wach-  
stumsorts und die geschichte von *Evonymus nana* M.B.  
im Pontischen gebiet). Visnik Kiïvs. Bot. Sadu  
(Bull. Jard. Bot. Kyiv) 16: 103-115. 1933.

Ukrainian with German summary.

Moskovets, S. M.

Do mikoflori pivdniâ Ukraïni (Contributions  
to the mycoflora of Ukraine). Visnik Kiïvs.  
Bot. Sadu (Bull. Jard. Bot. Kyiv) 16: 71-87.  
1933.

Ukrainian with brief English summary and Latin  
diagnosis of n.sp. (*Pestalotia staticis*). Mainly  
parasitic fungi.

Persidsky, D. Ia.

Pro utvorenniâ endospermu ta gaustoriï u Oro-  
banche ramosa L. (On the formation of endosperm and  
haustorium in *Orobanche ramosa* L.) Visnik Kiïvs.  
Bot. Sadu (Bull. Jard. Bot. Kyiv) 16: 89-101.  
illus. 1933.

Ukrainian with English summary.



Visnik Kii'vs. Bot. Sadu (Bull. Jard. Bot. Kyiv) (cont.)  
Rudenko, T. I.

Choovichi klitini u Scrophulariaceae (Male  
cells of Scrophulariaceae) Visnik Kii'vs. Bot.  
Sadu (Bull. Jard. Bot. Kyiv) 16: 3-16. pl.  
1933.

Ukrainian with English summary.

Shidlovsky, V. P.

Do pitanniã pro suchasnu floru okolits m. Gum-  
ania (On the problem of the contemporary flora in  
the vicinity of Huma). Visnik Kii'vs. Bot. Sadu  
(Bull. Jard. Bot. Kyiv) 16: 67-70. 1933.

Ukrainian.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Savulescu, T.

Die beeinflussung der spezifischen widerstands-  
fähigkeit und empfindlichkeit des weizens gegen  
rost durch die wirkung der äusseren faktoren.

Zeitschr. Pflanzenkr. 44: 257-309. Je. 1934. no.6.

Tubeuf, C.v.

Blattfleckenkrankheit des götterbaumes

Ailanthus glandulosa Desfont. Zeitschr.

Pflanzenkr. 44: 309-316. illus. Je. 1934. no.6.

Zeitschr. Pilzk. (Leipzig) (450Z352)

Huber, H.

Die korallenpilze. Zeitschr. Pilzk. 18(n.s.  
13): 34-36. My. 1934. no.2.

Huber, H.

Standorte seltener pilze in der umgebung Weincr-  
Neustadts (Niederösterreich und Burgenland). Bei-  
trag zur pilzgeographie. Zeitschr. Pilzk. 18(n.s.,  
13): 36-42. My. 1934. no.2.

Kärber, G.

Lorchel (*Helvella esculenta*)-vergiftung. (schluss)  
Zeitschr. Pilzk. 18(n.s.13): 46-48. My. 1934. no.2.

Kallenbach, K.

Gallen am flachen porling (*Polyporus applanatus*)  
(cont.) Zeitschr. Pilzk. 18(n.s.13): 42. My.  
1934. no.2.

Laubert, R.

Schmarotzerpilze aus dem Ruhrgebiet. Zeit-  
schr. Pilzk. 18(n.s.13): 49-53. My.1934. no.2.



Zentralbl. Bakt. Abt.II. (Jena) (448.3C33)

Brussoff, A.

*Corynebacterium ferroesiliceum* n.sp.

Zentralbl. Bakt. Abt.II,90: 162-168. illus.

My.29, 1934. no.5/8.

Der Züchter (Berlin) (442.8Z8)

Chartschenko, N.

Zur frage der methodik der hopfenzüchtung.

Der Züchter 6: 113-119. illus. My.1934. no.5.

Emme, H.

Vererbung von anheftungstypen der blüten und einiger anderer merkmale beim hafer. Der Züchter. 6:108-113. illus. My.1934. no.5.

Vorläufige mitteilung zu einer vergleichenden hafergenetik.

Kattermann, G.

Die cytologischen verhältnisse einiger weizenroggenbastarde und ihrer nachkommenschaft (F<sub>2</sub>).

Der Züchter 6: 97-107. illus. My.1934. no.5.

Exp. Stat. Publ.

Delaware agricultural experiment station.

Dept. of plant pathology. Ann. Rep. 1932/33 (Its Bul. 188): 36-46. Mr.1934. (100D37S)

T.F. Manns & J.F. Adams.

Dunton, H. L. & Megee, C. R.

The comparative ability of seedings of alfalfa, clovers, and grasses to survive drought. Michigan Agr. Exp. Stat. Quart. Bull. 16: 258-259. illus. My.1934 (100M58S) no.4.

Frutchey, C.W. & Muncie, J. H.

Soil treatments with mercurials for the control of potato scab. Michigan Agr. Exp. Stat. Quart. Bull. 16: 259-263. My.1934 (100M58S) no.4.

Nightingale, G. T. & Blake, M. A.

Effects of temperature on the growth and metabolism of Elberta peach trees with notes on the growth responses of other varieties. New Jersey Agr. Exp. Stat. Bull. 567. 20 p. Ap. 1934 (100N46S)



State Publications.

Ball, W. S. & Robbins, W. W.

Klamath weed (*Hypericum perforatum* L.)

Month. Bull. Dept. Agr. Calif. 23: 103-108.

col.front. F./Je.1934. no.2/6. (2C12M)

Harris, M. R. & Goss, W. L.

A seedling disease of sorghum and Sudan grass.

Month. Bull. Dept. Agr. Calif. 23: 109-118.

illus. F./Je. 1934. no.2/6. (2C12M)

Milbrath, D. G.

Wood decay in buildings. Month. Bull. Dept.

Agr. Calif. 23: 95-102. illus. F./Je.1934. no.2/6.

(2C12M)

Robbins, W. W.

Weed control in central Europe. Month.

Bull. Dept. Agr. Calif. 23: 124-126. F./Je.

1934. no.2/6. (2C12M)

Zundel, G. L.

Raspberry diseases. Penn. State Coll. Div.

Agr. Ext. Circ. 133. 20 p. illus. Ap.1934

(275.29P38C)

New Books.

Liou, T.

Flore illustrée du nord de la Chine, Hopei

(Chihli) et ses provinces voisines. Publiée

sous la direction de M. Liou Tchen-ngo... fasc.1-2.

Peiping, Académie nationale, 1931-33. (f<sup>o</sup>460.14P35)

1. Convolvulaceae, par Liou Tchen-ngo et

Ling Yong. 2. Gentianaceae, par Ling Yong.

Horwood, A. R. & Noel, C. W.

The flora of Leicestershire and Rutland...

Oxford, University press, 1933. (458H78)

Stehli, G.

Pflanzen auf inscktenfang., Stuttgart,1934.

(Kosmos-bändchen) (463.86St3)

Reprints from publications not yet rec'd or not available.

Bambacioni-Mezzetti, V.

Contributo all'anatomia comparata delle querce

italiane. Reprinted from Ann. di Bot. v.20, fasc.2,

1933. 44 p. illus., vi pl.



Reprints. (cont.)

Dragone-Testi, G.

Le alternative naturali della luce e dell'oscurità in relazione al comportamento degli alcaloidi nelle piante. Reprinted from Ann. di Bot. v.20, fasc.2. 1933. 12 p.

Dragone-Testi, G.

Osservazioni sul significato fisiologico dei lipoidi nel seme di *Viburnum tinus* L. Reprinted from Ann. di Bot. v.20, fasc.2. 12 p. 1933.

Lusina, G.

Appunti sulla flora e sulla vegetazione di alcune isolette del Carnaro. Reprinted from Ann. di Bot. 20: 170-215. 1933. no.2.

Lusina, G.

Le formazioni legnose dell'isola di Veglia e i loro elementi mediterranei. Reprinted from Ann. di Bot. v.20, fasc.2. 1933. 27 p.

Tonzig, S.

Studi sul ricambio dei nucleo-proteidi vegetati: Si forma acido urico nelle piante? Reprinted from Ann. di Bot. v.20, fasc. 2. 1933. 12 p.

Ventura, M.

Sviluppo del gametofito femminile di *Euphorbia mauritanica* L. Reprinted from Ann. di Bot. v.20, fasc.2. 1933. 7 p. pl.v.

Ceballos, L.

Descripción de una notable asociación de plantas ripícolas. Reprinted from Mem. R. Soc. Españ. Hist. Nat. 15: 751-762. illus. 1929.

Crespi Jaume, L.

Notas para una geografía botánica de Galicia. Reprinted from Mem. R. Soc. Españ. Hist. Nat. 15: 799-810. 1929.

Hansen, H. P.

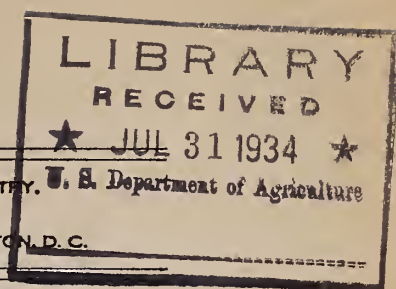
Inheritance of resistance to plant diseases caused by fungi, bacteria and virus. Reprinted from Aarsskr. K. Veter. Landb. Denmark 1934: 1-74.

A collective review with bibliography.



# BOTANY

## CURRENT LITERATURE



ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 14.

July 2-14, 1934.

Acta For. Fenn. (Helsingfors) (99.9F492)

Ilvessalo, Y.

Metsä- ja suotyyppien esiintymisen keskinäisestä suhteesta. (On the mutual relation between the occurrence of forest (site) types and swamp types). Acta For. Fenn. 40: 271-290. illus. (maps) 1934.

English summary.

Laitakari, E.

Männyn kääpiöversojen ja kasvainten välisistä suhteista. (Ueber die gegenseitigen verhältnisse zwischen den kurz- und langtrieben der kiefer).

Acta For. Fenn. 40: 853-901. illus. 1934.

German summary: p.893-901.

Linkola, K.

Die flatterulme (*Ulmus laevis* Pall.) in der gegend des Vanajavesisees. Acta For. Fenn.

40: 155-203. illus., 6 pl. 1934.

Pesola, V. A.

Die waldvegetation feuchten geländes in N-Kuusamo und SE-Kuolajärvi. Acta For. Fenn.

40: 113-126. 1934.

Tikka, P. S.

Ueber die stockfäule der nadelwälder nord-Suomis (-Finnlands). Acta For. Fenn. 40: 291-308. illus., 2 pl. 1934.

Fomitopsis annosa.

Acta Soc. Fauna et Flora Fennica (Helsingfors) (511H365)

Linkola, K.

Edvard August Vainio, 1853-1929. Acta Soc. Fauna et Flora Fennica v.57, no.3. 26 p. port. 1934.





Acta Soc. Fauna et Flora Fennica (cont.)

Vainio, E. A.

Lichenographia Fennica IV. Lecideales II.

Acta Soc. Fauna et Flora Fennica v.57, no.2.

531 p. iv pl. 1934.

Alberta Coll. Agr. Univ. Circ. (101A11)

Henry, A. W.

Common potato diseases and their control.

Alberta Coll. Agr. Univ. Circ. 15. 25 p.

illus. My. 1934.

Amer. Bee Journ. (Hamilton, Ill.) (424.8Am3)

Oertel, E.

"White tupelo" of western Florida. Amer. Bee Journ. 74: 310-312. illus. Jl. 1934. no.7.

Nyssa ogeche.

Amer. Fern Journal (450Am35)

Dix, W. L.

A rare rust of *Cystopteris fragilis*.

Amer. Fern Journ. 24: 50-51. Ap./Je. 1934. no.2.

*Hyalospora polypodii*.

Graves, E. W.

A visit to the southern Appalachians.

Amer. Fern Journ. 24: 33-36. Ap./Je. 1934. no.2.

Schaffner, J. H.

Kansas species of *Equisetum*. Amer. Fern.

Journ. 24: 36-38. Ap./Je. 1934. no.2.

Shaver, J. M.

Scott's spleenwort in Tennessee. Amer. Fern.

Journ. 24: 39-42. pl.2-3. Ap./Je. 1934. no.2.

Amer. Journ. Bot. (450Am36)

Cocke, E. C., Lewis, I. F. & Patrick, R.

A further study of Dismal Swamp peat.

Amer. Journ. Bot. 21: 374-395. illus. (map)

Jl. 1934. no.7.

Hayden, A.

Distribution and reproduction of Canada thistle in Iowa. Amer. Journ. Bot. 21: 355-373. illus.

Jl. 1934. no.7.

Nigam, B. S.

Effect of excessive humidity on the resistance of citrus plant to sun scorch. Amer. Journ. Bot.

21: 351-354. illus. Jl. 1934. no.7.



Amer. Journ. Bot. (cont.)

Sands, H. C.

Perigenesis and the controversy over para-synapsis and telosynapsis. I. Amer. Journ. Bot. 21: 402-426. illus., 4 pl. Jl. 1934. no.7.

Steidtmann, W. E.

Cordaitean wood from the Pennsylvanian of Kansas. Amer. Journ. Bot. 21: 396-401. illus. Jl. 1934. no.7.

Amer. Potato Journ. (75.SP342)

Black, L. M.

The potato yellow dwarf disease. Amer. Potato Journ. 11: 148-152. Je. 1934. no.6.

Bonde, R.

Potato spraying - the value of late applications and magnesium-Bordeaux. Amer. Potato Journ. 11: 152-156. Je. 1934. no.6.

Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo (451Su7)

Alm, C. G. & Kotilainen, M. J.

Ueber die verbreitung von *Carex laxa* Wg. Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.4, no.2. 35 p. illus. (maps) 1933.

Hintikka, T. J.

Ueber die verbreitung einiger alter perenner kulturpflanzen in Finnland. Ann. Bot. Soc. zool.-Bot. Fenn. Vanamo v.4, no.11. 24 p. illus. (maps) 1933.

Kotilainen, M. J.

Zur frage der verbreitung des atlantischen florenelementes fennoskandias. Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.4, no.1. 76 p. illus. (maps) 1933.

Krohn, V.

Eine serodiagnostische nachprüfung der sympetalen des Königsberger stammbaumes. Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.4, no.9. 42 p. 1933.

Krohn, V.

Studien über *Cuscuta halophyta* Fr. Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.4, no.4, 32 p. illus. 1933.



Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo (cont.)

Linkola, K.

Ueber rückgangserscheinungen in der ruderalen  
begleitflora der alten kultur in Süd-Fäme.

Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.4, no.12.  
p.3-7. 1933.

Roivainen, H.

Chillania pusilla, eine neue gattung und art  
der familie Cyperaceae. Ann. Bot. Soc. Zool.-

Bot. Fenn. Vanamo v.4, no.7. 6 p.

Roivainen, H.

Contribuciones á la flora de Isla Elisabeth,  
Rio de las Minas y Puerto San Isidor de Prov. de  
Magallanes, de Puerto Barroso de Prov. de Chiloë  
y de los Alrededores de Termas de Chillan de Prov.  
de Nuble, Chile. Ann. Bot. Soc. Zool.-Bot. Fenn.  
Vanamo v.4, no.8. 22 p. 1933.

Roivainen, H.

Informaciones sobre excursiones botanicas en  
la Costa Oriental de la Patagonia. Ann. Bot.  
Soc. Zool.-Bot. Fenn. Vanamo v.4, no.6. 14.p.  
illus. 1933.

Saarnijoki, S.

Ueber die tägliche periodizität der kernteilung  
in den keimwurzelspitzen von Brassica oleracea.

Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.4, no.10.  
15 p. 1933.

Soveri, J.

Lammin pitäjän kasvisto. (Die flora des  
kirchspiels Lammi in Süd-Finnland). Ann. Bot. Soc.  
Zool.-Bot. Fenn. Vanamo v.4, no.3. 86 p. illus.  
1933.

German summary: p-83-86.

Suomalainen, E.

Ueber den einfluss äusserer faktoren auf die  
formbildung von Draparnaldia glomerata Agardh.

Ann. Bot. Soc. Zool.-Bot. Fenn. Vanamo v.4, no.5.  
13 p. 2 pl. 1933.

Ann. Rep. Indiana Corn. Grow. Assoc. (59.9In2)

Trost, J. F.

Comparisons of hybrids with native strains of  
corn for disease resistance and yielding ability.

Ann. Rep. Indiana Corn Grow. Assoc. 33(1933): 24-  
28. illus. [1933]



Ann. Rep. Taihoku Bot. Gard. (451T13)

Fukuyama, N.

Studia orchidacearum japonicarum. II. Orchidaceae formosanae novae atque criticae. Ann. Rep. Taihoku Bot. Gard. 3: 81-86. 1933.

Hirakawa, Y.

Synoekologische studien ueber die strandflora der Insel Formosa. I- Ann. Rep. Taihoku Bot. Gard. 3: 1-47. pl. i-iii. 1933.

Kamikoti, S.

Neue und kritische lauraceen aus Taiwan. I. Ann. Rep. Taihoku Bot. Gard. 3: 77-80. 1933.  
Yushunia, gen. n. (Y. randaiensis)

Masamune, G. & Suzuki, S.

A list of plants collected in the Island of Kizan. Ann. Rep. Taihoku Bot. Gard. 3: 48-75. illus. 1933.

Masamune, G.

On the occurrence of *Durisilvae* in Japan. Ann. Rep. Taihoku Bot. Gard. 3: 87-89. 1933.

On the island of Umanoesama in bay of Katakami, Prov. Bizen, Honsyu.

Arch. Bot. Sist., Fitogeogr. e Gen. (Forli) (450Ar24)

Béguinot, A.

Notizie sul *Lythrum thymifolia* L. em con speciale riguardo alla sua presenza in Italia. Arch. Bot. Sist., Fitogeogr. e Gen. 10: 174-183. 1934. no.2.

Cengia-Sambo, M.

Osservazioni lichenologiche sul gruppo di Cima d'Asta (Trentino orientale). Arch. Bot. Sist., Fitogeogr. e Gen. 10: 153-173. 1934. no.2.

Luzzatto, G.

*Anemone hortensis* L., *A. pavonina* Lam., *A. fulgens* Gay e *A. regina* Risso. Studio sistematico e fitogeografico. (concl.) Arch. Bot. Sist., Fitogeogr. e Gen. 10: 101-118. 1934. no.2.

Morton, F.

Pflanzengeographische monographie der Quarnerinsel Cherso. IV. Die buschwaldassoziationen. Arch. Bot. Sist., Fitogeogr. e Gen. 10: 117-152. illus. 1934. no.2.



Arch. Protistenk. (Jena) (439.8Ar2)

Elliott, A. M.

Morphology and life history of *Haematococcus pluvialis*. Arch. Protistenk. 82: 250-272. illus., pl.6-7. 1934. no.2.

Asia (286.8Am31)

Il'Anson, G.

A lifetime of orchid madness. Asia 34: 490-497. illus. Ag. 1934.

Beih. Bot. Centralbl. Abt. II. (Dresden) (450B65Bo)

Bojko, H.

Die vegetationsverhältnisse im Seewinkel. Versuch einer pflanzensoziologischen monographie des sand- und salzsteppengebietes östlich vom Neusiedler See. II. Beih. Bot. Centralbl. Abt. II, 51: 600-747. illus. Ap. 1934. no.3.

Herter, W.

Zur kenntnis der palmenwälder Uruguays. Beih. Bot. Centralbl. Abt. II, 51: 748-770. pl. xv-xvii. Ap. 1934. no.3.

Jaeschke, J.

Zur postglazialen waldgeschichte des nördlichen Schwarzwaldes. Beih. Bot. Centralbl. Abt. II 51: 527-565. illus. Ap. 1934. no.3.

Overbeck, F.

Zur kenntnis der pollen mittel- und nord-europäischer Ericales. Beih. Bot. Centralbl. Abt. II, 51: 566-583. pl. x-xi. Ap. 1934. no.3.

Watzl, O.

Ueber die bäume und sträucher des von der Baramba entwässerten gebietes der Chodschalgruppe und deren blattkrankheiten. (Ein beitrag zur flora des südwestlichen Zentralkaukasus). I. Beih. Bot. Centralbl. Abt. II, 51: 584-599. pl. xii-xiv. Ap. 1934. no.3.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y. & Tukanoto, T.

Untersuchungen über flechtenstoffe. XLII. Bestandteile einiger *Usnea*-arten unter besonderer berücksichtigung der verbindungen der salazinsäure-gruppe. Ber. Deut. Chem. Ges. 67: 963-971. Je. 6, 1934. no.6.



Biochem. Zeitschr. (Berlin) (384B522)

Euler, H. v. & Zondek, B.

Folliculin und pflanzen. Versuche an hyacinthen und an hefe. Biochem. Zeitschr. 271: 64-73. illus. Je.12, 1934. no.1/3.

Iwanoff, M. M. & Osnizkaja, L. K.

Die blausäure als N-quelle für Aspergillus niger. I. Biochem. Zeitschr. 271: 22-31. Je.12, 1934. no.1/3.

Niklewski, B.

Ueber den einfluss von kolloidsubstanzen auf die aufnahmefähigkeit von magnesium- und ammoniumchlorid durch die wurzeln pflanzen. Biochem. Zeitschr. 271: 111-122. Je.12, 1934. no.1/3.

Bol. Secc. Publ. y Difus. Agr. Sec. Estado Agr. y Com.

Dominica (8D7132)

Gomez Menor, J.

Las plagas en la agricultura dominicana. Bol. Secc. Publ. y Difus. Agr. Sec. Estado Agr. y Com. Dominica. no.12 41 p. 1934.

Enfermedades fungosas: p.29-36. Also portion on parasitic phanerogams, algae &c. parasitic on plants.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O. Schweinfurth, C.

A new Liparis from Guatemala. Bot. Mus. Leafl. Harvard Univ. 2: 97-98. pl. Je.30, 1934. no.7.

Liparis fantastica.

Ames, O.

Studies in Stelis. II. Bot. Mus. Leafl.

Harvard Univ. 2: 85-95. 2 pl. Je.30, 1934. no.6.

Bot. Közlem. (Budapest) (450N85)

Lengyel, G.

Gayer Gyula emlékezete. (1883-1932). (Erinnerung an Dr. Julius Gayer (1883-1932). Bot. Közlem. 31: 66-108. port. 1934. no.3/4.

Die publikationen von Jul. Gayer: p.91-97.

German summary: p.98-108.

Pénzes, A.

Neue pilzporen präparate. Bot. Közlem. 31: 156. 1934. no.3/4.

Szilberszky, K.

A szőlőbogyók heterochromiája. (Heterochromie an traubenbeeren). Bot. Közlem. 31: 142-149. illus., pl. 1934. no.3/4.

German summary: p.148.



Bot. Közlem. (cont.)

Szabó, Z.

Ujabb adatok nyugat - és Dél-európa Knautiának ismeretéhez. Nouvelles données à la connaissance des Knautia de l'ouest et du sud de l'Europe).

Bot. Közlem. 31: 109-141. illus. 1934. no.3/4.

French: p.115-121.

Bot. Not. (Lund, Sweden) (450B656)

Arwidsson, Th. & Lund, P. J.

Bidrag till kännedomen om Skandinaviens mossflora. Bot. Not. 1934: 253-260. 1934 No.3.

Degelius, G.

Botaniska exkursioner på västra Irland.

Bot. Not. 1934: 185-212. illus. 1934. no.3.

Erlandsson, S.

The distribution of *Pterogonium ornithopodioides* (Huds.) Lindb. in the Scandinavian Peninsula and in Denmark. Bot. Not. 1934: 245-252. illus. (map) 1934. no.3.

Fries, E. Th.

Några gotländska växtlokaler. Bot. Not. 1934: 261-265. 1934. no.3.

Gustafsson, C. E.

*Rubus axillaris* Lej., *Rubus scanicus* Aresch.

Bot. No. 1934: 270-273. 1934. no.3.

Hasselberg, G. B. E.

Några ord om kusttopografien och havsstrandsfloran i Angermanland och Västerbotten. Bot.

Not. 1934: 228-232. 1934. no.3.

Palm, B. J.

*Rhodochytrium spilanthidis* Lgh. från Afrika.

Bot. Not. 1934: 277-278. 1934. no.3.

Brief English summary.

Runquist, E.

Polyfylli hos *Rubus arcticus* l. Bot. Not.

1934: 266-269. illus. 1934. no.3.

Tolmatchew, A.

Ueber die verbreitung einiger standhalophyten in der Arktis. Bot. Not. 1934: 213-227. illus. (map) 1934. no.3.



Bot. Not. (cont.)

Waldheim, S.

Fyra sydliga Eurhynchium-arter i Sverige.

Bot. Not. 1934: 233-244. illus. 1934. no.3.

Bryologist (Pittsburgh) (450B84)

Bartram, E. B.

Venturiella sinensis (Vent.) C.M. in Texas.

Bryologist 37: 46. Mr./Ap. 1934. no.2.

Conard, H. S.

Modeling clay for mosses. Bryologist 37:

43. Mr./Ap. 1934. no.2.

Fulford, M.

List of Hepaticae of Kentucky. Bryologist

37: 21-28. illus.(map) Mr./Ap.1934. no.2.

Györfly, I.

Novitas bryologica VI. Tetraplodon bryoides (Zoeg.)

Lindb. monstruosus in peninsula Labrador inventus.

Bryologist 37: 44-46. illus. Mr./Ap.1934. no.2.

Plitt, C. C.

Lichens of Shushan, New York, and vicinity.

Bryologist 37-35-43. Mr./Ap. 1934. no.2.

Sayre, G.

The Grimmias of Iowa. Bryologist 37: 29-34.

Mr./Ap. 1934. no.2.

Steyermark, J. A.

Bryoziphium norvegicum in Missouri. Bryologist

37: 47. Mr./Ap. 1934. no.2.

Bulet. Grad. Bot. Univ. Cluj (Roumania) (451C62)

Borza, A.

Studii fitosociologice in Muntii Retezatului

(Etudes phytosociologiques dans les Monts du

Rétézat). Bulet. Grad. Bot. Univ. Cluj 14:

1-84. illus. (map), pl. i-iv. 1934. no.1/2.

French résumé: p.70-84

Nyárády, E. I.

Adnotatiuni la flora României. IX. (Glossen

zur flora Rumäniens. IX). Bulet. Grad. Bot.

Univ. Cluj 14: 95-99. illus. 1934. no.1/2.



- Bulet. Grad. Bot. Univ. Cluj (cont.)  
Pop, E.  
Zach. C. Pantu (1866-1934). Bulet. Grad.  
Bot. Univ. Cluj 14: 85-94. pl.v. (port). 1934.  
no. 1/2.
- Bull. Amer. Iris Soc. (81Am39)  
Chase, W. E.  
Pollen tube behavior in Iris. Bull. Amer.  
Iris Soc. 51: 17-20. illus. Ap. 1934.
- Everett, H. H.  
Iris rot. Bull. Amer. Iris Soc. 51: 51-54.  
Ap. 1934.
- Bull. Gard. Club. Amer. (90.32G16)  
Gleason, H. W.  
Some notewrothy alpines from Colorado.  
Bull. Gard Club. Amer. 5(10): 102-106. Jl.1934.  
On eastern slope of Longs Peak and on Twin  
Sisters Peak.
- Gould, D. F.  
Horticulture pioneers of the North Pacific  
Bull. Gard. Club. Amer. 5(10): 25-34. Jl. 1934.
- Phelps, C.  
A short history of Camellias. Bull. Gard.  
Club Amer. 5(10): 53-56. Jl. 1934.
- Bull. Inst. Agron. Stat. Rech. Gembloux (105.1G285)  
Belgium. Institut agronomique de l'état à Gembloux.  
Observations et recherches effectuées à la  
Station de Phytopathologie de l'État, pendant  
l'année 1933. Bull. Inst. Agron. Stat. Rech.  
Gembloux 3: 97-106. My. 1934. no.2.  
By E. Marchal.
- Bull. Misc. Inform. Kew (London) (89K51B)  
Burtt, B. D.  
A botanical reconnaissance in the Virunga  
volcanoes of Kigezi Ruanda, Kivu. Bull. Misc.  
Inform. Kew 1934: 145-165. illus. (map), pl.vii.  
1934. no.4.
- Fischer, C. E. C.  
New or little-known plants from South India.  
III. Bull. Misc. Inform. Kew 1934: 165-172.  
illus. 1934. no.4.  
Sonerila tinnevelliensis, Arisaema convolutum,  
Coelachne meeboldii, and Tripogon pungens, n.spp.



V.16, no.14, p.11.

Bull. Soc. Chim. Biol. (Paris) (383Sol)

Deleano, N. T. & Dick, J.

Détermination de la chlorophylle dans les  
feuilles de *Salix fragilis* et de *Populus alba*.  
Bull. Soc. Chim. Biol. 16: 749-756. My.1934.  
no.5.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

California cacti. XII. *Opuntia prolifera*.  
Cactus & Succ. Journ. 5: 587-588. illus.  
Je. 1934. no.12.

Burchard, O.

Leafly Euphorbias from the Canary Islands.  
Cactus & Succ. Journ. 5: 579. illus. Je.1934. no.12.

Croizat, L.

Several succulent Euphorbiae of the West Coast  
of Africa. Cactus & Succ. Journ. 5: 582-584.  
Je. 1934. no.12.

Howell, J. T.

Concerning the names of the species of *Cereus*  
in the Galapagos Islands. Cactus & Succ. Journ.  
5: 585-586. Je. 1934. no.12.

In reply to query of W.T. Marshall as to why  
the author retained the names *Cereus thouarsii* and  
*C. nesioticus* instead of using Britton & Rose's  
*Brachycereus thouarsii* and *Jasminocereus galapagen-*  
*sis*.

Smith, A.

What grows, where. Cacti listed in accordance  
with their geographical origin. Compiled and copy-  
righted for Mrs. John D. Wright, Santa Barbara,  
Calif. 1933 (cont.) Cactus & Succ. Journ. 5: 590-  
591. Je. 1934. no.12.

Walther, E.

Illustrations in the Crassulaceae. 7. *Grapho-*  
*petalum pachyphyllum* Rose. Cactus & Succ. Journ.  
5: 592. Je. 1934. no.12.

Walther, E.

Illustrations in the Crassulaceae. 7. *Grapho-*  
*petalum pachyphyllum* Rose. Cactus & Suc. Journ.  
5: 592. Je. 1934. no.12.



Citrus Indust. (Tampa, Fla). 80049)

Bach, W. J.

Root diseases of citrus. Citrus Indust.  
15(6): 20-22. illus. Je. 1934.

Commun. Hort. Inst. Taihoku Imp. Univ. (87T13C)

Tanaka, T.

A criticism on Rumphius' Citrus descriptions.  
Reprinted from Journ. Hort. Assoc. Japan v.4,  
no.2/3, as Commun. Hort. Inst. Taihoku Imp. Univ.  
no.33. 15 p. [1933?]

Japanese with English summary.

Tanaka, T.

The Linnean species in cultivated plants, with  
special reference to Citrus. Reprinted from [Proc.  
Japan. Assoc. Sci] 8: 403-408. N. 1933. as Commun.  
Hort. Inst. Taihoku Imp. Univ. no.35.

Japanese with English summary.

Tanaka, T.

On the distribution of cultivated fruit trees.  
Reprinted from [Proc. Japan. Assoc. Sci.] 9: 177-  
183. Mr. 1934. as commun. Hort. Inst. Taihoku Imp.  
Univ. no.40.

Japanese with English summary.

Simada, Y.

Plants of Senkyakuseki virgin forests in Shin-  
chiku coast strand. Reprinted from Trans. Nat.  
Hist. Soc. Formosa 24: 58-111. F. 1934. no.130  
as Commun. Hort. Inst. Taihoku Imp. Univ. no.36  
(in part)

Compt Rend. Acad. Agr. France (Paris) (14R215Bc)

Dulac, J.

Utilisation des propriétés du sulfure de  
cuivre pour la lutte contre les maladies cryptoga-  
miques. Compt. Rend. Acad. Agr. France 20: 650-  
652. Je. 13, 1934. no.19.

Fron, G.

Nouveaux essais de lutte contre la maladie  
du piétin du blé., Compt. Rend. Acad. Agr. France  
20: 644-650. Je. 13, 1934. no.19.

Lagatu, H. & Maume, L.

Recherche, par le diagnostic foliaire, de  
l'équilibre optimum d'alimentation NPK chez une  
plante cultivée. Compt. Rend. Acad. Agr. France  
20: 631-644. Je.13, 1934. no.19.



Compt. Rend. Acad. Sci. Paris (505P21)

Borel, E.

Henri. Leconte. Compt. Rend. Acad. Sci.  
Paris 198: 2129-2131. Je.18, 1934. no.25.

Died June 12, 1934.

Brouland,

De l'existence de trachéides dans la fleur  
de quelques espèces de la famille des renonculacées  
Compt. Rend. Acad. Sci. Paris. 198: 2197-2198.  
illus. Je.18, 1934. no.25.

Chabrolin, C.

La germination des graines d'Orobanche.  
Compt. Rend. Acad. Sci. Paris 198: 2275-2277.  
Je. 25, 1934. no.26.

Flous, F.

La notion de phyllorhize chez le chêne-liège.  
Compt. Rend. Acad. Sci. Paris 198: 2193-2195.  
Je. 18, 1934. no.25.

Gautheret, R. J.

Culture du tissu cambial. Compt. Rend. Acad.  
Sci. Paris 198: 2195-2196. Je.18, 1934. no.25.

Meyer, L.

Sur les variations du  $r^H$  apparent du sol  
penant la croissance des plantes. Compt. Rend.  
Acad. Sci. Paris. 198: 2199-2201. Je.18, 1934.  
no.25.

Contr. Inst. Bot. Nat. Acad. Peiping (451P35)

Ching, R. C.

Saxiglossum, a new genus of polypodiaceous  
fern in China. Contr. Inst. Bot. Nat. Acad.  
Peiping 2: 5-8. pl.ii. O. 1933. no.1.  
Studies of Chinese ferns XIV.

Ching, R. C.

The studies of Chinese ferns. XI. Contr.  
Inst. Bot. Nat. Acad. Peiping 2: 31-100. illus.  
pl. iii-iv. D. 1933. no.3.

Hopkinson (Hao, Kin-shen)

The first contribution to Caprifoliaceae of  
China. Contr. Lab. Bot. Nat. Acad. Peiping  
1: 71-88. D.1931. no.4.



Contr. Inst. Bot. Nat. Acad. Peiping (cont.)

Hopkinson (Hao, Kin-shen)

Notes on some Chinese Sambucus. Contr.

Inst. Bot. Nat. Acad. Peiping 2: 1-3. pl.i.

O. 1933. no.1.

Hopkinson, (Hao, Kin-shen)

Synopsis des Linum chinois. Contr. Lab.

Bot. Nat. Acad. Peiping 1: 89-91. B. 1931. no.4.

Hopkinson (Hao-Kin-shen)

Synopsis of Chinese Sambucus. Contr. Inst.

Bot. Nat. Acad. Peiping. 2: 21-29. D.1933. no.2.

Hsia, W. Y.

A list of cultivated and wild plants from the Botanical garden of the National museum of natural history, Peiping, Contr. Lab. Bot. Nat. Acad. Peiping 1: 39-69. J1.1931. no.3.

Kung, H.-W.

Chenopodiaceae of north China in Herbarium

of National academy of Peiping. Contr. Inst.

Bot. Nat. Acad. Peiping. 2: 9-19. D.1933. no.2.

Kung, H.-W.

Pinaceae collected from Hsiaopeshan (Kirin).

Contr. Inst. Bot. Nat. Acad. Peiping 2: 107-114.

pl.iv-vi. Ja.1934. no.4.

Liou, T.-N.

Les euphorbiacées chinoises des laboratoires

de botanique de l'Université nationale de Peking

et de l'Académie nationale de Peiping. Contr.

Lab. Bot. Nat. Acad. Peiping 1: 1-13. pl. i.

Mr.1931. no.1.

E. Lanceolata n. sp.

Liou, T.-N.

Note sur un Microsphaera du Quercus. Contr.

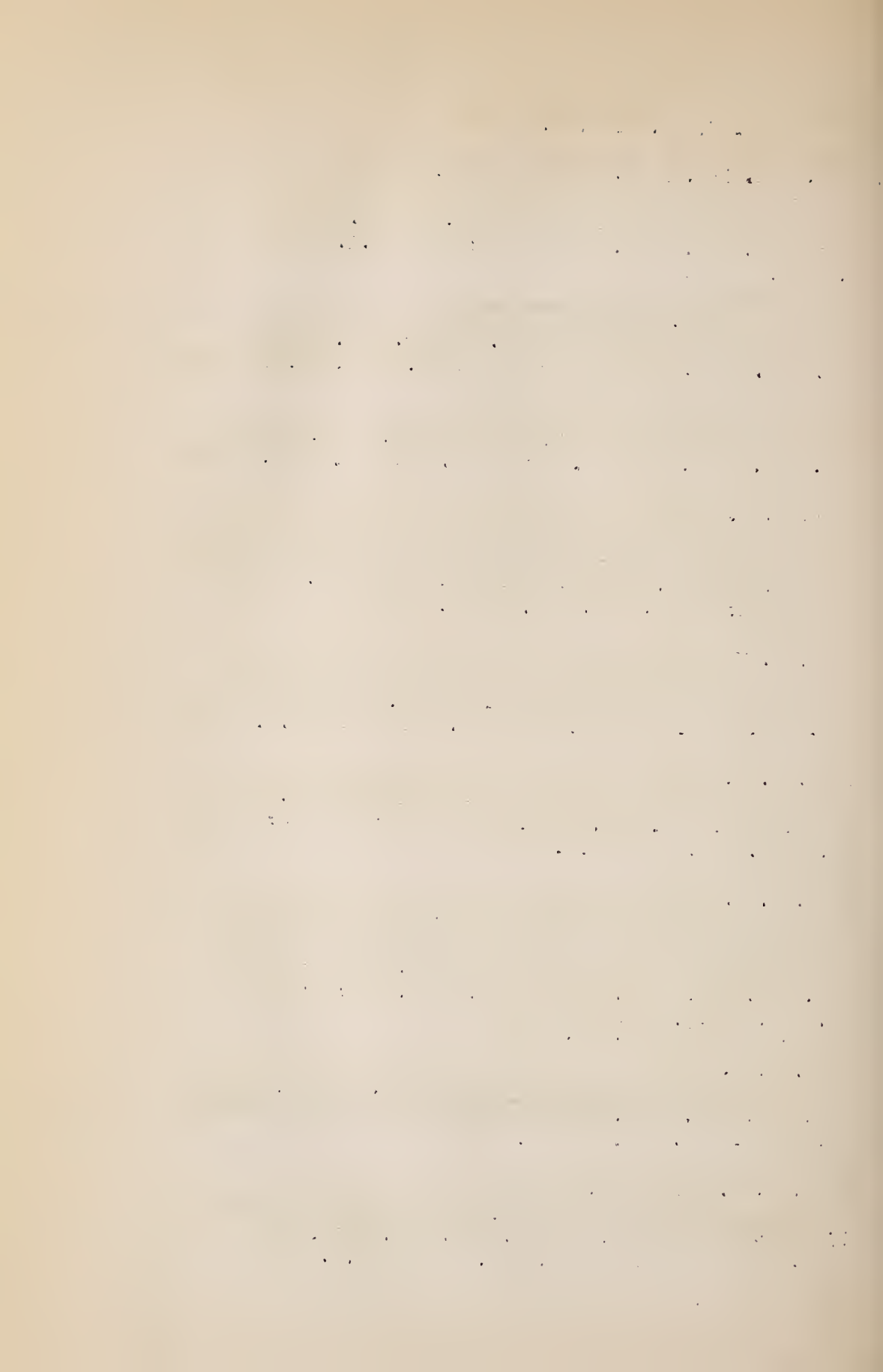
Lab. Bot. Nat. Acad. Peiping 1: 19-22. illus.,

pl. ii-iv. My.1931. no.2.

Liou, T.-N. & Ling, Y.

Sur la présence de Cuscuta major Choisy dans la Chine proprement dite. Contr. Lab. Bot. Nat.

Acad. Peiping 1: 15-17. Mr. 1931. no.1.



Contr. Inst. Bot. Nat. Acad. Peiping (cont.)

Liou, T.-N. & Ling, Y.

Sur les variations foliaires de quelques genres de convolvulacées. Contr. Lab. Bot. Nat. Acad. Peiping 1: 23-33. pl.v-viii. My. 1931. no.2.

Wang, Y.-C.

Notes on Chinese *Lycium*. Contr. Inst. Bot. Nat. Acad. Peiping 2: 101-105. pl.iii. Ja. 1934. no.4.  
*L. truncatum* n.sp.

Cytologia (Tokyo) (442.8099)

Eichhorn, A.

Types définis et types intermédiaires dans la mitose des végétaux. Cytologia (Tokyo) 5: 253-268. Je. 1934. no.3.

Humphrey, L. M.

The meiotic divisions of haploid, diploid and tetraploid tomatoes with special reference to the prophase. Cytologia (Tokyo) 5: 278-300. illus. pl.10. Je. 1934. no.3.

Huskins, C. L. & Spier, J. D.

The segregation of heteromorphic homologous chromosomes in pollen mother-cells of *Triticum vulgare*. Cytologia (Tokyo) 5: 269-277. illus., pl. 9. Je. 1934. no.3.

Kostoff, D.

Crossing over in *Nicotiana* species hybrids. Cytologia (Tokyo) 5: 373-377. Je. 1934. no.3.

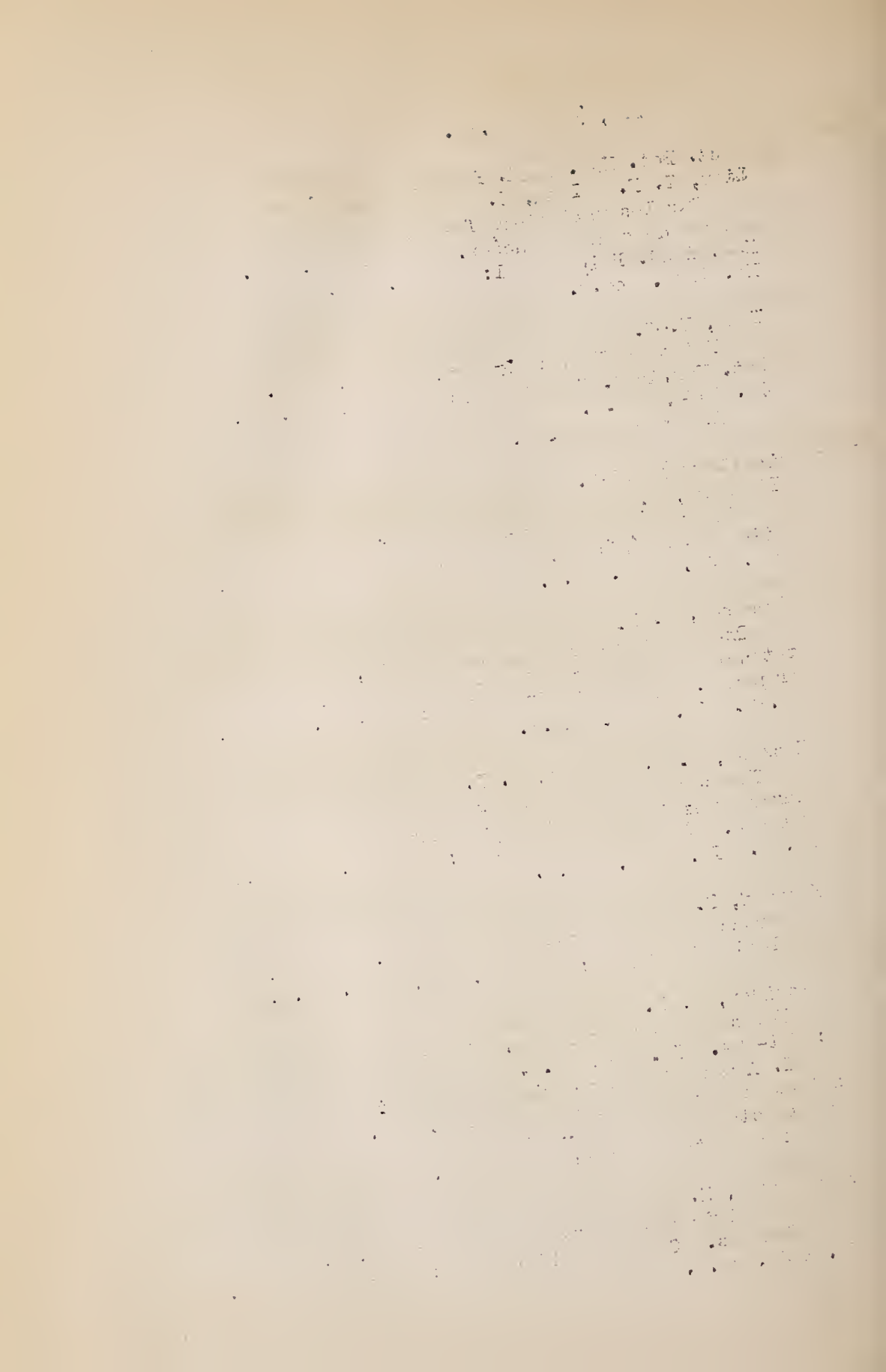
Milovidov, P. F.

Notes on microtechnique. Cytologia (Tokyo) 5: 301-304. Je. 1934. no.3.

I. A method of preparing durable microscopic slides from some desiccated tissues. II. A method of double staining of gram-positive and gram-negative bacteria on the microscopic slides.

Richardson, M.

The origin and behaviour of chiasmata. X. *Spiro-nema fragans*. Cytologia (Tokyo) 5: 337-354. illus. Je. 1934. no.3.



Cytologia (Tokyo) (cont.)

Shimakura, K.

The capability of continuing divisions of the *Tradescantia* pollen mother-cell in saccharose solution. *Cytologia* (Tokyo) 5: 363-372. pl. 11. Je. 1934. no. 3.

Yamamoto, Y.

Karyogenetische untersuchungen bei der gattung *Rumex*. I. *Cytologia* (Tokyo) 5: 317-336. illus. Je. 1934. no. 3.

I. Hetero- und euploidie bei *Rumex acetosa* L.

Deut. Landw. Presse (Berlin) (18D482)

Rademacher, B.

Erfahrungen über die wichtigsten krankheiten der ackerbohne und bekämpfung (Schluss) Deut. Landw. Presse 61: 290. illus. Je. 9, 1934. no. 23.

Farming So. Africa. (Pretoria) (24So842)

Moore, E. S. & Wager, V. A.

Kromnek: a serious tomato disease. *Farming So. Africa*. 9. 219-220. illus. Je. 1934. no. 99.

Moore, E. S.

The leaf curl or crinkly dwarf disease of tobacco. *Farming So. Africa* 9: 214-242. illus. Je. 1934. no. 99.

Flor Exch. (N.Y.) (80F666)

Dr. M. L. Britton. *Flor. Exch.* 82(26): 13.

Je. 30, 1934.

Died June 25th.

Forstarchiv. (Hannover) (99.8F7723)

Jaroschenko, G. D.

Die erscheinungen des phototropismus der buche und anderer holzarten. *Forstarchiv*. 10: 193-196. illus. Je. 15, 1934. no. 12.

Gard. Chron. (London) (80G162)

Balls, E. K.

Plant collecting in Persia. XIII. Schir Kuh. *Gard. Chron.* III, 95; 422-423. illus. Je. 23, 1934. no. 2478.

Banfield, F. S.

Notes on orchids of the Malay Archipelago. I. *Gard. Chron.* III, 95: 425-426. Je. 23, 1934. no. 2478.



Gard. Chron. (cont.)

Boothman, H. S.

*Aquilegias*. (concl.) Gard. Chron. III,  
95: 408-409. Je.16, 1934. no.2477.

Elliott, C.

*Aquilegia longissima*. Gard. Chron. III,  
95: 426-. Je. 23, 1934. no.2478.

Hall, A. D.

The scarlet tulip of the East: *Tulipa oculus-*  
*solis*. Gard. Chron. III, 95: 406-408. illus.  
Je. 15, 1934. no.2477.

Hutchinson, J.

*Rhododendron xanthocodon*, Hutch., sp. nov.  
(series *Triflorum*). Gard. Chron. III, 95: 409.  
Je.16, 1934. no.2477.

Some diminutive gunneras. Gard. Chron. III,  
95: 420. illus. Je.23, 1934. no.2478.

Gard Chron. Amer. (80G1632)

Matschat, C. H.

Shrubs from Mexico. Gard. Chron. Amer.  
38: 203-204. 210. illus. Jl.1934. no.7.

Gartn.-Tid. (København) (80G192)

Weber, A.

En ny farlig tomatsygdom broncetop. Gartn.-  
Tid. 50: 317-319. illus. Je.26, 1934. no.26.  
Spotted wilt.

Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia  
V, Vac. Agron. ) (21So6)

Dimitrov, T.

Prinos kŭm izuchavanego na edin nov za nashitě  
gori gŭben vreditel (Contribution à l'étude d'un  
nouveau champignon nuisible á nos forets - l'*Hypo-*  
*derma brachysporum* Tub.) Godishn. Sofiisk. Univ.  
Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.)  
12: 101-108. illus. 1934.

Bulgarian with French summary.

(1) ... ..  
.. ..  
.. ..

.. ..

.. ..

.. ..

.. ..

.. ..

.. ..

.. ..

Godishn. Sofiisk, Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac, Agron.) (cont.)

Dodov, D. N.

Fiziologischeski rasi na chernati ruzhda po pshenitsata (*P. graminis tritici*) v Bŭlgariia (Physiologic forms of the wheat stem rust (*P. graminis tritici*) in Bulgaria) I. Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac, Agron.) 12: 334-365. illus. 1934.

Bulgarian with English summary.

Stefanov, B.

Sistematischeski i geografiski prouchvaniia vŭrkhu mediteransko-orientalskite vodove na roda *Hypericum* L. (Systematische und geographische studien ŭber die mediterran-orientalischen arten der gattung *Hypericum*) VI-VII. Godishn. Sofiisk. Univ. V, Agron. Fak. (Annuaire Univ. Sofia V, Fac. Agron.) 12:69-100. 1934.

Bulgarian with German summary.

Stoianov, N.

Rastitelnite otnosheniia v Sofiiska dolina (Vegetationsverhŭltnisse des Sofia-tales). Godishn. Sofiisk. Univ. V. Agron. Fak. (Annuaire Univ. Sofia V. Fac. Agron.) 12: 750-784. 1934.

Bulgarian.

Hedwigia (Dresden) (450H35)

Herzog, T.

Die bryophyten der Andenreisen von C. Troll (Bolivia, Columbia, Panama). Hedwigia 74: 79-114. illus. Je.10, 1934. no.2.

Schiffner, V.

*Acystis*, eine neue gattung der sargassaceen und ŭber einige algen aus dem Roten Meere. Hedwigia 74: 115-118. pl.iv. Je.10, 1934. no.2.

Servit, M.

Flechten aus Jugoslavien. 3. Fruska gora ujd ņardak planina. Hedwigia 74:119-160. illus. Je. 10, 1934. no.2.

Hilgardia (Berkeley, Calif.) (100C12H)

Emsweller, S. L. & Jones, H. A.

The inheritance of resistance to rust in the snapdragon. Hilgardia 8: 197-211. illus.

Je. 1934. no.7.

100

100

100

100

100

100

100

Indian For. Rec. (99.8In22)

Dover, C. & Appanna, M.

Studies on insect transmission. Indian For.  
Rec. 20: 1-25. iii pl. My.12, 1934. no.1.

Entomological investigations on the spike  
disease of sandal (20).

Indische Mercur (Amsterdam) (268.8In2)

Sibinga Mulder, J.

De ziekte in de Congobanaan in Suriname.  
Indische Mercur 57: 344. Je.6, 1934. no.23.

Ital. Agr. (Milan) (16I61)

Sibilia, C.

Le ricerche sulla specializzazione delle  
ruggini del grano in Italia. Ital. Agr. 71:  
451-457. illus. Je. 1934. no.6.

Izv. Akad. Nauk SSSR (Bull. ACAD. Sci. URSS) (Leningrad) (511Sa2B)

Krasil'nikov, N. A.

Образование рас у *Saccharomyces cerevisiae* (Ras-  
senbildung bei *Saccharomyces cerevisiae*). Izv.  
Akad. Nauk SSSR (Bull. Acad. Sci. URSS) VII, Cl. Sci.  
Math. et Nat. 1934: 335-366. illus., iii pl. no.2/3.  
Russian with German summary.

Rochlin, E. J.

О стойкой радио-рассе drozhzheĭ *Saccharomyces cer-  
visiae* XII, с амебообразными клетками (Ueber eine  
konstante radiumhefe rasse mit amöbenförmigenzellen  
(*Saccharomyces cervisiae*). Izv. Akad. Nauk SSSR  
(Bull. Acad. Sci. URSS) VII, Cl. Sci. Math. et Nat.  
1934: 327-334. iii pl. no.2/3.

Russian with German summary.

Zalessky, M. D.

О новом девонском растении *Blasaria sibirica* n.g.,  
et n.sp. (Sur une nouveau végétal devonien...)  
Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) VII, Cl.  
Sci. Math. et Nat. 1934: 235-239. illus. no.2/3.

Russian and French.

Zalessky, M. D.

Observations sur les végétaux permien du bas-  
sin de la Petchora I. Izv. Akad. Nauk SSSR (Bull.  
Acad. Sci. URSS) VII, Cl. Sci. Math. et Nat. 1934:  
241-289. illus.



Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Heyn, A. N. J.

Weitere untersuchungen über den mechanismus der zellstreckung und die eigenschaften der zellmembran. III. Die änderungen der plastizität der zellwand bei verschiedenen organen. Jahrb. Wiss. Bot. 79: 753-789; illus. 1934. no.5.

Jaccard, P. & Frey-Wyssling, A.

Ueber versuche zur bestimmung der zellsaftkonzentration in der kambialzone beim exzentrischen dickenwachstum. I. Jahrb. Wiss. Bot. 79: 655-680. illus. 1934. no.5.

Mai, G.

Korrelationsuntersuchungen an entspreiteten blattstielen mittels lebender orchideenpollinien als wuchsstoffquelle. Jahrb. Wiss. Bot. 79: 681-713. illus. 1934. no.5.

Schroder, H.

Untersuchungen über die beeinflussung des blütenfarbmusters von *Petunia hybrida grandiflora* hort. Jahrb. Wiss. Bot. 79: 714-752. illus. 1934. no.5.

Witsch, H.v.

Untersuchungen über die beeinflussbarkeit des plagiogeotropismus von seitenwurzeln. Jahrb. Wiss. Bot. 79: 790-812. illus. 1934. no.5.

Experiments with *Phaseolus multiflorus*.

Journ. Amer. Chem. Soc. (381Am33J)

Mitchell, R. L. & Ritter, G. J.

Composition of three fossil woods mined from the Miocene auriferous gravels of California.

Journ. Amer. Chem. Soc. 56: 1603-1605. illus. Jl. 1934. no.7.

Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)

Slama, F. J.

A comparative study of Maryland sennas.

Journ. Amer. Pharm. Assoc. 23: 550-559. illus. Je. 1934. no.6.

Journ. Biol. Chem. (Baltimore) (381J824)

Tauber, H. & Kleiner, I.S.

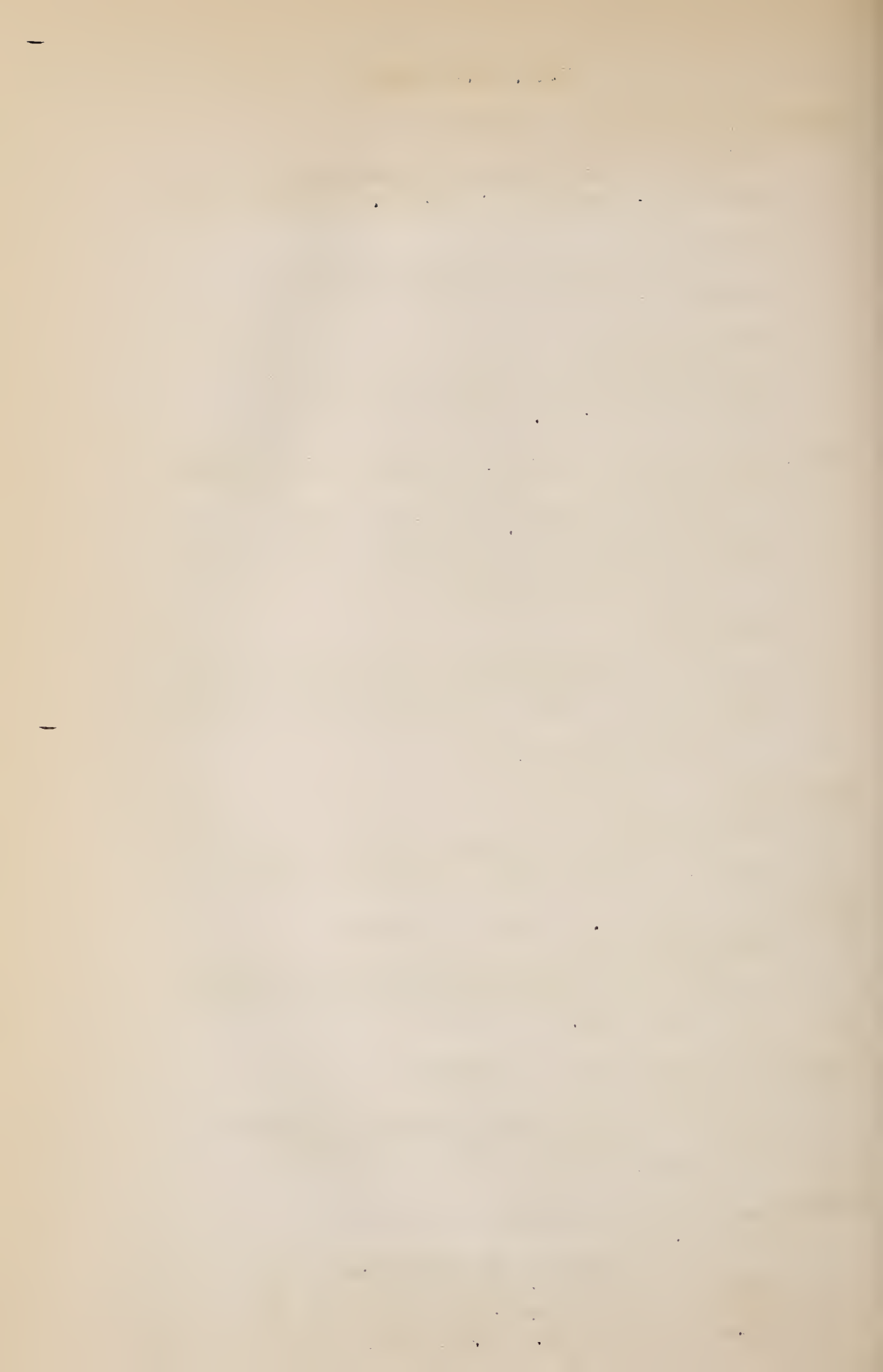
Some enzymes of *Solanum indicum*. Journ. Biol. Chem. 105: 679-682. Jl. 1934. no.4.



- Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo (107.6J273J)  
Miyabe, K. & Kudo, Y.  
Flora of Hokkaido and Saghalien. IV. Saurura-  
ceae-Polygonaceae. Journ. Fac. Agr. Hokkaido  
Imp. Univ. Sapporo 26: 389-528. Ap. 1934. no.4.
- Journ. Hered. (Washington) (442.8Am3)  
Cook, O. F.  
Double-deck papaya leaves an example of leaf  
evolution. Journ. Hered. 25: 225-235. illus.  
Je. 1934. no.6.
- Martin, J. H.  
The use of the greenhouse in sorghum breeding.  
Journ. Hered. 25: 251-254. illus. Je. 1934. no.6.
- Journ. Linn. Soc. Bot. (London) (451L64J)  
Gregory, B. D.  
On the life-history of *Gymnogongrus griffith-  
siae* Mart. and *Ahnfeltia plicata* Fries. Journ.  
Linn. Soc. Bot. 49: 531-551. illus. Je.14, 1934.  
no.331.
- Norman, C.  
Peucedanum and Steganotaenia in tropical Africa.  
Journ. Linn. Soc. Bot. 49: 503-516. Je.14, 1934. no.331.  
P. linderi, P. madense n.spp.
- Pugsley, H. W.  
Further notes on the genera *Fumaria* and *Rupic-  
apnos*. III. Journ. Linn. Soc. Bot. 49: 517-529.  
pl.30. Je.14, 1934. no.331.
- Kartoffel, Zeitschr. Kartoffelbauges. (Berlin) (75.8K142)  
Rathlef, H.v.  
Ueber knollenform und knollenbildung äquatoria-  
ler kartoffelformen unter deutschen klimaverhält-  
nissen. Kartoffel, Zeitschr. Kartoffelbauges. 14:  
56-59. Ap.1, 1934. no.7.
- Kleine Mitt. Mitgl. Ver. Wasser-, Boden- u. Lufthygiene  
(Berlin-Dahlem) (292.8V58)  
Helfer, H.  
Uebermässiger wasserpflanzenwuchs und seine  
bekämpfung. Kleine Mitt. Mitgl. Ver. Wasser-,  
Boden- u. Lufthygiene 10: 161-181. illus.  
Ap./Ag.1934. no.5/8.



- Madrono (San Francisco) (450M26)  
Benson, L.  
The Ranunculus hydrocharoides group in  
California. Madrono 2: 129-130. Jl.1934. no.16.
- Constance, L.  
Critical notes on Eriophyllum Lag. I.  
Madrono 2: 134-135. Jl. 1934. no.16.
- Jepson, W. L.  
The botanical explorers of California. X.  
Rachel Merritt Austin, Lorenzo Dow Jared.  
Madrono 2: 130-133. ports. Jl.1934. no.16.
- Memor. Soc. Fauna & Flora Fenn. (Helsingfors) (511H365Me)  
Lindberg, H.  
Juncus welwitschii Hochst. (J. kochii F.  
Scultz), en misskänd västlig art. Memor. Soc.  
Fauna & Flora Fenn. 9: 156-160. 1933.  
English summary: p.160.
- Malmström, N.  
Senhöstens hattsvampar i frost och blida. (Die  
hutzpilze des spätherbstes bei frostigem und gelin-  
dem wetter) Memor. Soc. Fauna & Flora Fenn. 9:  
69-91. 1933.  
German summary: p.91.
- Minn. Conserv. (412.6F492A)  
Ritter, L. B.  
The blister rust control campaign. Minn.  
Conserv. 13: 2-3, 24-25. illus. Je. 1934.
- Mitt. Deut. Landw. Ges. (Berlin) (18D48M)  
Schlumberger, O.  
Versuche zur bekämpfung des kartoffelschorfes  
im jahre 1933. Mitt. Deut. Landw. Ges. 49: 140-  
142. F.17, 1934.
- Naturaliste Canad. (Quebec) (410N216)  
Rossau, J.  
Essai de bibliographie botanique canadienne.  
(cont.) Naturaliste Canad. 61: 201-204.  
Je./Jl. 1934. no.6/7.
- New Phytol. (London) (450N42)  
Bryant, A. E.  
A demonstration of the connection of the  
protoplasts of the endodermal cells with the  
Caspasian strips in the roots of barley, New  
Phytol. 33: 231. pl. Je.20, 1934. no.3.



New Phytol. (cont.)

Hicks, P. A. & Panisset, T. E.

The quantitative determination of minute amounts of chlorophyll. *New Phytol.* 33: 199-210. illus. *Je.20*, 1934. no.3.

Experiments with Lemna.

Sandison, S.

The rooting of cuttings of *Lonicera japonica*; a preliminary account. *New Phytol.* 33: 211-217. illus. *Je.20*, 1934. no.3.

Thomas, H. H.

The nature and origin of the stigma. A contribution towards a new morphological interpretation of the angiosperm flower. *New Phytol.* 33: 173-198. illus. *Je.20*, 1934. no.3.

Turrill, W. B.

The correlation of morphological variation with distribution in some species of *Ajuga*. *New Phytol.* 33: 218-230, illus. *Je.20*, 1934. no.3.

Nuovi Ann. Agr. Min. Agr. e For. Italy (16N92)

Catoni, G.

Nuovi metodi per verificare la morte dei tralci delle viti in seguito al congelamento e appunti sui danni del gelo alle viti nella Venezia tridentina in seguito all'invernata 1928-1929. *Nuovi Ann. Agr. Min. Agr. e For. Italy* 14: 27-42. illus., col. pl. i-iv. *Mr.31*, 1934. no.1.

Senni, L.

Consolidamento delle dune e frangiventi. *Nuovi Ann. Agr. Min. Agr. e For. Italy* 14: 81-132. illus. *Mr.31*, 1934. no.1.

Onderstepoort Journ. Vet. Sci. (41.80nl)

Leemann, A. C.

A short summary on our botanical knowledge of *Lolium temulentum* L. *Onderstepoort Journ. Vet. Sci.* 1: 213-218. illus. *Jl.1933*. no.1.

Rimington, C. & Steyn, D. G.

*Psilocaulon absimile* N.E.Br. as a stock poison. I. *Onderstepoort Journ. Vet. Sci.* 1: 439-455. O. 1933. no.2.

I. Determination of oxalic, malic and tartaric acids, &c.



Onderstepoort Journ. Vet. Sci. (cont.)

Steyn, D. G.

Fungi in relation to health in man and animal.  
Onderstepoort Journ. Vet. Sci. 1: 183-212. Jl.  
1933. no.1.

Steyn, D. G.

*Lathyrus sativus* L. (chickling vetch; Khesari;  
Indian pea) as a stock food. Onderstepoort Journ.  
Vet. Sci. 1: 163-171. Jl. 1933. no.1.

Steyn, D. G.

Poisoning of human beings by weeds contained in  
cereals (bread poisoning). Onderstepoort Journ.  
Vet. Sci. 1: 219-266. Jl. 1933. no.1.

Steyn, D.G.

Recent investigations into the toxicity of  
known and unknown poisonous plants in the Union  
of South Africa. Onderstepoort Journ. Vet. Sci.  
1: 173-182. Jl. 1933. no.1.

Steyn, D. G.

The toxicity of sodium chlorate. Onderste-  
poort Journ. Vet. Sci. 1: 157-162. Jl.1933. no.1.

Pamph. Canada Dept. Agr. (7C16Pa)

McCallum, A. W.

The Dutch elm disease. Pamph. Canada Dept. Agr.  
n.s. 159 7 p. illus. 1934.

Peking Nat. Hist. Bull. (513P36)

Li, L.-C.

A general survey of Chinese algae. Peking Nat.  
Hist. Bull. 8: 363-374. Je. 1934. no.4.

Pharm. Journ. (London) (396.8P49)

Kirkby, W.

The beginnings of the Royal botanic garden,  
Edinburgh, Pharm. Journ. 132(IV,78): 661.  
Je.23, 1934. no.3686.

Pharm. Weekbl. (Amsterdam) (396.8P4922)

Wagenaar, M.

Het causaal verband tusschen aetherische olie  
en alkaloiden in de plant. Pharm. Weekbl. 71:  
642-649. illus. Je.9, 1934. no.23.



Philipp. Agr. (Laguna) (25P542)

Julaino, J. B.

Studies on the morphology of the Meliaceae, I.  
*Sandoricum koetjape* (Burm.f.) Merrill. Philipp.  
Agr. 23: 11-35. illus., pl.i-vi. Je.1934. no.1.

Ocfemia, G. O.

Bud rot of coconut. Philipp. Agr. 23: 4-10.  
illus. Je.1934. no.1.

Phytopath. (464.8P56)

Bever, W. M.

Physiologic specialization in *Puccinia*  
*glumarum* in the United States. Phytopath. 24:  
686-688. Je. 1934. no.6.

Diehl, W. W.

The *Myriogenospora* disease of grasses. Phyto-  
path. 24: 677-681. illus. Je. 1934. no.6.  
*M. paspali*.

Dufrenoy, J. & Dufrenoy, M. L.

Cytology of plant tissues affected by viroses.  
Phytopath. 24: 599-619. illus. Je.1934. no.6.

Fawcett, H. S.

Is psorosis of citrus a virus disease?  
Phytopath. 24: 659-668. illus. Je. 1934. no.6.

Fawcett, H. S. & Klotz, L. J.

A procedure for inducing the production of the  
sporangial and swarm stages in certain species of  
*Phytophthora*. Phytopath. 24: 693-694. Je.  
1934. no.6.

Godfrey, G. H. & Hagan, H. R.

A study of the root-knot-nematode trap crop  
under field soil conditions. Phytopath. 24:  
648-658. Je. 1934. no.6.

Godfrey, G. H. & Hoshino, H. M.

The trap crop as a means of reducing root-knot-  
nematode infestation. Phytopath. 24: 635-647.  
Je.1934. no.6.

Experiments with tomato.

Hill, H. D.

A comparative study of certain tissues of giant-  
hill and healthy potato plants. Phytopath. 24:  
577-598. illus. Je. 1934. no.6.



Phytopath. (cont.)

Hoerner, G. R.

Crown gall of hops. *Phytopath.* 24: 688-691. illus. *Je.*1934. no.6.

Plakidas, A. G.

The mode of infection of *Diplocarpon earliana* and *Mycosphaerella fragariae*. *Phytopath.* 24: 620-634. illus. *Je.*1934. no.6.

Sprague, R.

The association of *Cercospora herpotrichoides* with the *Festuca consociation*. *Phytopath.* 24: 669-676. illus. *Je.*1934. no.6.

Thomas, H. E. & Ark, P. A.

Nectar and rain in relation to fire blight. *Phytopath.* 24: 682-685. *Je.* 1934. no.6.

Tyler, L. J.

Methods for determining sex differences in *Sphacelotheca sorghi*. *Phytopath.* 24: 691-693. illus. *Je.*1934. no.6.

Planta Arch. Wiss. Bot. (Berlin) (450P693)

Gabrielsen, E. K.

Untersuchungen über den kohlenstoffhaushalt einer gewächshauspflanze im winter bei tageslicht und mit elektrischer zusatzbeleuchtung. *Planta Arch. Wiss. Bot.* 22: 180-189. *Je.*7, 1934. no.2.

Kirchheimer, F.

Ueber *Tsuga*-pollen aus dem tertiär. *Planta Arch. Wiss. Bot.* 22: 171-179. illus. *Je.*7, 1934. no.2.

Koch, K.

Untersuchungen über den quer-und längstransport des wuchsstoffes in pflanzenorganen. *Planta Arch. Wiss. Bot.* 22: 190-220. illus. *Je.*7, 1934. no.2.

Kurssanow, A. L.

Die photosynthese grüner früchte und ihre abhängigkeit von der normalen tätigkeit der blätter. *Planta Arch. Wiss. Bot.* 22: 240-250. *Je.*7, 1934. no.2.

Rennerfelt, E.

Untersuchungen über die salzaufnahme bei *Aspergillus niger*. *Planta Arch. Wiss. Bot.* 22: 221-239. *Je.*7, 1934. no.2.



Planta Arch. Wiss. Bot. (cont.)

Stubbe, H.

Studien über heteroploide formen von *Antirrhinum majus* L. I. Zur morphologie und genetik der trisomen *anaemica*, *fusca*, *purpurea*, *rotunda*.

Planta Arch. Wiss. Bot. 22: 153-170. illus. Je.7, 1934. no.2.

Plant. Chron. (Madras) (22P693)

Mayne, W. W.

Some notes on Burgundy mixture and Burgundy injury. Plant. Chron. 29: 255-259. Je.2, 1934. no.11.

Proc. Soc. Exp. Biol. & Med. (N.Y.) (442.9Sol)

Jacques, A. G. & Osterhout, J. V.

Penetration of potassium into *Nitella*.

Proc. Soc. Exp. Biol. & Med. 31: 1121-1122. Je. 1934. no.9.

Rev. Agric. Ile Réunion (Saint-Denis)

Bourriquet, G.

Rapport phytopathologique sur un voyage d'études effectué à la Réunion en Octobre 1932.

Rev. Agric. Ile Réunion 39: 11-20. illus. Ja. 1934.

Rev. Vitic. (Paris) (95.8R322)

Dubaquié, J.

Sur la dispersion des elements actifs dans la lutte contre les cryptogames. Rev. Vitic. 80: 389-397. Je.21, 1934. no.2086.

Rhodora (Boston) (450R34)

Cottam, C.

Past periods of eelgrass scarcity. Rhodora 36: 261-264. Jl.1934. no.427.

Fernald, M. L.

*Draba* in temperate northeastern America.

Rhodora 36: 241-261. pl.290-319. Jl. 1934. no.427.

Kelso, L.

A new variety of *Glyceria grandis* and a key to its allied species. Rhodora 36: 264-266. Jl. 1934. no.427.

Var. *komarovii*.

Peck, M. E.

Three interesting new plants from Wallowa county, Oregon. Rhodora 36: 266-268. Jl. 1934. no.427.

*Bolandra imnahaensis*, *Saxifraga incompta*, *Rubus bartonianus*.



Rhodora (cont.)

Smith, L. B.

The synonymy of *Phyllanthus brasiliensis*.

Rhodora 36: 268. Jl.1934. no.427.

Riz et Rizicult. (Paris) (59.8R52)

Gustchin, G. G.

Essai de classification botanique des riz cultivés *Oryza sativa* L. (Botanical classification of cultivated rice *Oriza sativa* L.) Riz et Rizicult. 8: 1-46. pl.1-2. F.1934. no.1.

Roczn. Ochrony Rośl. A, Choroby Rośl. (Annual Plant Prot.

A, Plant Dis.) (Bydgoszcz) (464.9R59)

Garbowski, L. & Juraszkówna, H.

Choroby roślin użytkowych w okresie 1926-30.

Roczn. Ochrony Rośl. A, Choroby Rośl. 1: 97-235. 1933.

Arranged under names of host plants (in Polish) by groups, as cereals &c, scientific names of plant disease organisms given in index.

Rubber Res. Scheme, Ceylon, Quart. Circ. (78.9C33Q)

Murray, R. K. S.

Diseases of rubber in Ceylon, 1933.

Rubber Res. Scheme, Ceylon, Quart. Circ. 11: 17-19. Ap.1934. no.1.

Science (470Sci2)

Erwin, A. T.

A rare specimen of *Zea mays* var. *saccharata*.

Science 79: 589. Je.29, 1934. no.2061.

Ezekiel, W. N. & Taubenhaus, J. J.

Comparing soil fungicides with special reference to *Phymatotrichum* root rot. Science 79: 595-596. Je.29, 1934. no.2061.

Fairchild, D. & Barbour, T.

The crisis at Buitenzorg. Science 80: 33-34. Jl.13, 1934. no.2063.

Fernald, M. L.

Some beginnings of specific differentiation in plants. Science 79: 573-578. Je.29, 1934. no.2061.

Read before Amer. Assoc. Adv. Sci., Sect. G, Boston, D.28, 1933.



Science (cont.)

Flint, L. H.

Light in relation to dormancy and germination in lettuce seed. Science 80: 38-40. Jl.13, 1934. no.2063.

Meyer, A. H.

Seasonal effect of lime on strawberries. Science 80: 35. Jl.13, 1934. no.2063.

Miller, E. C. L.

Spiraling in trees. Science 80: 35. Jl.13, 1934. no.2063.

Scient. Agr. (Ottawa) (7Sci2)

Bird, J. N.

Influence of rust injury on the vigour and yield of timothy. Scient. Agr. 14: 550-559. illus. Je. 1934. no.10.

Munro, J. L. & Newton, W.

The inhibition of the growth of fungi by chemicals. Scient. Agr. 14: 560-564. Je.1934. no.10.

So. African Sugar Journ. (Durban) (65.8So8)

McClellan, A. P. D.

Cold chlorosis or sectional chlorosis of sugar cane. So. African Sugar Journ. 18: 31. Ja.31, 1934. no.1.

Stain Techn. (442.8St1)

Cohen, I.

Cytological fixation with salicylic and orthophosphoric acids. Stain Techn. 9: 101-106. Jl. 1934. no.3.

Foster, A. S.

The use of tannic acid and iron chloride for staining cell walls in meristematic tissue. Stain Techn. 9: 91-92. Jl.1934. no.3.

Smith, F. H.

The use of picric acid with the gram stain in plant cytology. Stain Techn. 9: 95-96. Jl. 1934. no.3.

Whitaker, T. W.

An improved technic for the examination of chromosomes in root tip smears. Stain Techn. 9: 107-108. illus. Jl.1934. no.3.



Sugar News (Manila) (65.8Su36)

King, R. H.

Studies on the germination of sugar cane cuttings. Sugar News 15: 315-320. illus. Je. 1934. no.6.

Tabulae Biol. Period. (Berlin) (442T11A)

Neithammer, A.

Licht, dunkelkeit und strahlung als faktoren bei der samen-keimung. In Tabulae Biol. Period. 4: 45-77. 1934.

Oppenheimer, H. C.

Kultur-pflanzen: name, heimat, nutzung, chromosomen-zahl, botanische und technische charakteristica. In Tabulae Biol. Period. 3: 349-394. 1934.

Thar. Forstl. Jahrb. (Berlin) (99.8T32)

Schmithüsen, J.

Vegetationskundliche studien im neiderwald des linksrheinischen Schiefergebirges. 3-4. (concl.) Thar. Forstl. Jahrb. 85: 225-264. illus. 1934. no.5.

3. Floristische typen im niederwald des linksrheinischen Schiefergebirges. 4. Die genetischen beziehungen zwischen den niederwaltypen und den übrigen vegetationstypen des linksrheinischen Schiefergebirges.

Tijdschr. Plantenz. (464.8T44)

Poeteren, N. v.

Bestrijding van de vladvlekkenziekte bij knolselderie. Tijdschr. Plantenz. 40: 153-155. Je. 1934. no.6.

Trop. Agr. (26T751)

Park, M.

Anthracoze, a fruit disease of chillies. Trop. Agr. 82:325-326. col.pl. My. 1934. no.5.

Trop. Agriculture West Indies (Trinidad) (26T754)

Cheesman, E. E.

Principles of banana breeding. (cont.) Trop. Agriculture West Indies 11: 176-181. Jl. 1934. no.7.

Wardlaw, C. W.

Banana disease. IX. The occurrence of Sigatoka disease (*Cercospora musae* Zimm.) on bananas in Trinidad. Trop. Agriculture West Indies 11: 173-175. 2 pl. Jl.1934. no.7.



Die Umschau (Frankfurt) (474Um7)  
Snell, K.

Die lichtkeimprüfung der kartoffel. Die  
Umschau 38: 510-511. illus. Je.24, 1934. no.26.

U.S. Dept. Agr. Miscellaneous mimeographed publications.  
Roark, R. C.

Devil's shoestring (*Cracca virginiana* L.) a potential source of rotenone and related insecticides. Washington, D. C., Je.1934.

Mimeographed publ. from Insecticide division,  
Bur. Chem. & soils, U.S. Dept. Agr.

Exp. Stat. Publ.

Ware, J. O.

Genetic relations of mankeen lint to plant color and leaf shape in Upland cotton. Arkansas Agr. Exp. Stat. Bull. 300. 44 p. My.1934. (100Ar42)

Chroboczek, E.

A study of some ecological factors influencing seed-stalk development in beets (*Beta vulgaris* L.) Cornell Agr. Exp. Stat. Mem. 154. 84 p. illus. Mr. 1934. (100N180)

Crosier, W.

Studies in the biology of *Phytophthora infestans* (Mont.) De Bary. Cornell Agr. Exp. Stat. Mem. 155. 40 p. Mr.1934 (100N480)

Wilson, A. L.

Relation of nitrate nitrogen to the carbohydrate and nitrogen content of onions. Cornell Agr. Exp. Stat. Mem. 156. 30 p. illus. Mr.1934 (100N480)

Brown, A. P.

Types of greens or pot-herbs used in rural Utah homes. Utah Agr. Exp. Stat. Circ. 104. 23 p. illus. Je.1934 (100Ut1)

State Publications.

Milbrath, D. G.

Bureau of plant pathology, 1933. Month. Bull. Dept. Agr. Calif. 22: 522-525. D.1933. no.12(2012M)

Barrus, M. F. & Crosby, C. R.

Control of diseases and insect pests of potatoes on Long Island. Cornell Ext. Bull. 288. 26 p. illus. Ap. 1934. (275.29N48E)



State Publications. (cont.)

Van Meter, R. A. & Shaw, J. K.

Apple varieties in Massachusetts. Mass.  
State Coll. Ext. Leaflet. 42, rev. 20 p. My.  
1934. (275.29M381L)

Willard, C. J. & Lewis, R. D.

Eradicating Canada thistle. Ohio State Univ.  
Agr. Ext. Serv. Bull. 146. 8 p. illus. Je.  
1934. (275.290h32)

Pierstorff, A. L.

Bacterial wilt of sweet corn. Ohio State Univ.  
Agr. Ext. Serv. Bull. 149. 4 p. My.1934. (275.290h32)

New Books

Estifeev, P. G.

K materialam po izucheniiu bolezni "kornevaia  
hnil" khlopchatnika v usloviakh Srednei Asii  
(On the study of cottonroot rot disease in Central  
Asia) Tashkent, 1930 (464.042Es8)

Russian with English summary. Moniliopsis aderholdii  
& the bulb mite Rhizoglyphus hyacinthi. Not properly a  
root rot.

Hartley, C. & Boyce, J. S.

The progress of forest pathology. In A national  
plan for American forestry. Washington, 1933.  
v.1, p.695-722. (Senate document no.12, U.S. Congress,  
73d, 1st sess.) (1F76Na)

Ryzhkov, V. L.

Mutatsii i bolezni khlopofillovogo zerna (Muta-  
tions and diseases of the chloroplast). Moskva,  
Leningrad, Gosudarstvennoe izdatel'stvo kol-  
khoznoi i sovkhoznoi literatury "Sel'khozgiz", 1933.  
Russian.

Triebet, T.

Untersuchungen über die sekretbildung in  
pflanzlichen drüsenzellen. [Braunschweig]  
1934, (463.43T73)  
Diss.-Techn. Hochschule Braunschweig.

Ulke, T.

A flora of Yoho Park, British Columbia.  
[Washington, D.C., The Catholic University,  
1934. (Contribution from the Biological laboratory  
of the Catholic University, no.14) (454.45U14)



New Books (cont.)

Webster, H. N.

Herbs, how to grow them and how to use them.  
Boston, Mass., Massachusetts horticultural society  
[1934?] (97.21W39)

Non-current indexing.

Arch. de Bot. Caen Bull. Mens. (450Ar25)

Benoist, R.

Description d'une espèce nouvelle du genre  
Staurogyne (acanthacées). Arch. de Bot. Caen  
Bull. Mens. 4: 75-76. Je.1930. no.6.

*S. petelotii*.

Biecheler, B.

Sur le genre *Oenosciadium* et la structure de  
son fruit. Arch. de Bot. Caen. Bull. Mens. 4:  
81-84. illus. Jl.1930. no.7.

Chermezon, H.

Structure de la feuille et de la tige chez  
*Eriospora setifera*. Arch. de Bot. Caen Bull.  
Mens. 4: 41-59. illus. Ap./My.1930. no.4/5.

Chermezon, H.

Sur une variété nouvelle de *Restio madagascari-  
ensis*. Arch. de Bot. Caen Bull. Mens. 4: 84-85.  
Jl. 1930. no.7.

Choisy, M.

L'importance de la pycnoconidie des lichens.  
Arch. de Bot. Caen Bull. Mens. 4: 1-7. Ja.1930.  
no.1.

Choux, P.

Observations sur les asclépiadacées récoltées  
récemment à Madagascar par M. Humbert. Arch. de  
Bot. Caen Bull. Mens. 4: 97-112. 8 pl. Ag./S.  
1930. no.8/9.

Perrier de la Bathie, H.

Au sujet des *Philipia* de Madagascar et de  
quelques espèces ou variétés nouvelles recueillies  
par M.H. Humbert au cours de ses dernières missions.  
Arch. de Bot. Caen Bull. Mens. 4: 25-34. illus.  
Mr.1930. no.3.

*P. quadratiflora* n.sp.

Perrier de la Bathie, H.

Note sur *Hyalocalyx setiferus* Rolfe. Arch.  
de Bot. Caen Bull. Mens. 4: 7-9. Ja. 1930. no.1.



Non-current indexing. (cont.)

Arch. de Bot. Caen Bull. Mens. (cont.)

Perrier de la Bathie, H.

Les xerophyta de Madagascar. Arch. de Bot.  
Caen Bull. Mens. 4: 65-75. Je. 1930. no.6.

Potier de la Varde, R.

Additions aux mousses de l'Oubangui. II.  
Arch. de Bot. Caen Bull. Mens. 4: 17-23. illus.  
F.1930. no.2.

Viguiier, R.

La végétation de Tahiti. Arch. de Bot.  
Caen Bull. Mens. 4: 85-92. Jl. 1930. no.7.

Bull. Soc. Neucht. Sci. Nat. (Neuchatel)

Frick, R. O.

Etude de biomètre végétale. Bull. Soc. Neu-  
chat. Sci. Nat. 56(n.s.,5): 337-340. 1932.

I. Sur la fleur d'*Anemone nemorosa* L. II. Sur  
*Anemone hepatica* en cultures.

Mayor, E.

Relations entre les écidies de *Euphorbia ver-  
rucosa* Lam. et un *Uromyces* sur *Vicia cracca* L.  
Bull. Soc. Neuchat. Sci. Nat. 56(n.s.,5): 341-  
352. illus. 1932.

*Uromyces verrucosae-craccae* n.sp.

Spinner, H.

Contribution à la biologie et à la phytogéo-  
graphie de deux phanérogames du Jura neuchatelois.  
Bull. Soc. Neuchat. Sci. Nat. 56(n.s.,5): 353-367.  
illus., fold.tab. 1932.

1. *Meum athamanticum*. 2. *Hieraceum monticola*  
Jord.

Preslia (Prague) (450P92)

Eabička, J.

Polarografické stanovení zmen v klidném a  
delicím se jádre. (Polarographic tests for the  
changes in the dividing and resting nuclei).

Preslia 11: 11-15. 1932.

English summary.

Brožek, A.

Further investigations on the genetics of flower  
colours in *Mimulus cardinalis*, Hort. Preslia 10:  
42-46. 1931.



Non-current indexing. (cont.)

Preslia (cont.)

Brožek, A.

Mendelian analysis of the "red-orange-yellow" group of flower-colours in *Mimulus cardinalis* hort. Preslia 11: 16-25. illus., col. pl. 1932.

Cejp, K.

Some species of the genus *Pythium* (section *Orthosporangium* Fisch.) from the soil, with observations on their cultures. Preslia 10: 47-53. illus., pl. 1931.

Cernohorský, Z.

Deux formes nouvelles de *Lecanora argopholis* Arch. Preslia 10: 54-56. 1931.  
f. *viridis* & f. *grisea*.

Domin, K.

Humifuse forms of some species and their ecological signification. Preslia 11: 26-31. pl. ii. 1932.

Dostál, J.

Etude préliminaire de l'évolution et de la systématique des types du genre *Centaurea* sect. *Cyanus* subsec. *Montanae*. Preslia 10: 57-69. 1931.

*C. novákii* n.sp.

Dostál, J.

Sur les mouvements des chloroplastes dans le *Caulerpa prolifera*. Preslia 11: 32-34. 1932.

Gračanin, M.

The effect of light on the resorption of salts by plants. Preslia 11: 35-39. 1932.

Hrubý, K.

Cytologie a anatomie československých brunell. Preslia 11: 40-44. illus. 1932.

Iljin, V. S.

Buhumil Nemeč. Preslia 11: 3-10. illus., port. 1932.

In Czech.

In recognition of his 60th birthday, Mar.12, 1933.



Non-current indexing. (cont.)

Preslia (cont.)

Iljin, W. S.

Desiccation and decay of the cells of the red cabbage. Preslia 11: 45-48. illus. 1932.

Klan, Z. F.

Príspevek k farmakognosii plodu *Acocanthera venenata* Don. Preslia 10: 70-75. illus. 1931.  
In Czech.

Klásterský, I.

Ad floram carpatorossicam additamenta critica. III. Preslia 10: 76-87. 1931.

Klásterský, I.

*Rosa jundzilii* Besser var. *decora* Kern. et *R. agrestis* Savi var. *gizellae* (Borb.) Schlimp. en Boheme. Preslia 11: 49-54. illus. 1932.

Kořínek, J.

La dissociation chez les mycobacteria. Preslia 11: 55-58. illus. 1932.

Kořínek, J.

Sur un *Microcococcus* epiphytique de *Salicornia*. Preslia 10: 88-90. 1931.

Krajina, V.

Generis *Cheirodendrum* species hawaiienses ex affinitate *Cheirodendri platyphylli*. Preslia 10: 91-100. 2 pl. 1931.  
*C. dominii*, *C. kauaiense*, *C. wahiauwense* n.spp.

Malysev, N.

Vzrust izolovaného korenového meristému na sterilních pudách. (The growth of isolated meristem of roots). Preslia 11: 59-61. 1932.

English summary. *Vicia faba*, *Phaseolus vulgaris* & *Zea mays*.

Milovidov, P. F.

Prípad mixoploidie u *Cicer arietinum* L. (Un cas de mixoploidie chez *Cicer arietinum* L.) Preslia 11: 62-66. illus. 1932.

French résumé: p.65.

Morávek, V.

Permeabilita a buprivost tkáne rasy *Nereocystis*. (Permeability and swelling of the tissue of *Nereocystis*). Preslia 11: 67-72. illus. 1932.

English summary.



Non-current indexing. (cont.)

Preslia (cont.)

Nemec, B.

Poznámky k zúrodnění u *Gagea lutea*. Preslia  
10: 104-110. illus. 1931.  
In Czech.

Němejč, F.

The morphology and the systematic relations of  
the carboniferous Noeggerathiae with regard to the  
"genera" *Tingia* and *Plagiozamites* of eastern Asia.  
Preslia 10: 111-114. 1931.

Němejč, F.

Palaeobotanical researches in the travertine  
sediments of Vyšší and Nižší Ružbachy at Podolinec  
(Slovakia) and some additional notes to my studies  
about the travertines of the northern Slovakia.  
Preslia 10: 115-134. illus. (maps) 1931.

Novák, F. A.

*Pini heldreichii* Christ stationes novae.  
Preslia 11: 73-75. 1932.

Novák, F. A.

Prof. Dr. Karel Domin padesátníkem.  
Preslia 10: 5-41. port. (front.) 1931.  
Chronological list of Domin's works: p.11-41.

Novák, F. A.

Teratologická pozorování na hluchavce bílé.  
(Teratologic observations on *Lamium album* L.)  
Preslia 10: 135-140. 2 pl. 1931.  
English summary: p.139-140.

Oborský, A.

O vlivu infekce bacilem *tumefaciens* a bacilem  
*pyocyaneus* na remanentí povrchové napětí a pH  
šťávy vytlačené z bramboru *Solanum tuberosum*.  
(Der einfluss der infektion der kartoffelpflanze  
durch *Bac. tumefaciens* und *B. pyocyaneus* auf R.P.N.  
und pH) Preslia 11: 76-85. 1932.  
German summary.

Podpěra, J.

Problém rostlinného druh u mechu (Problème  
de l'espèce chez les muscinées). Preslia 11: 96-  
103. 1932.  
In Czech.



Non-current indexing. (cont.)

Preslia (cont.)

Prát, S. & Hamáčková, J.

Conjugatae a kalciumkarbonát. (Conjugatae and calcium carbonate). Preslia 10: 141-146. 2 pl. 1931.

A species of Zygnema and one of Spirogyra.

Prát, S.

Terminála a regenerace morských řas. (The terminal cell and the regeneration of marine algae). Preslia 11: 104-109. illus. 1932.

English summary.

Rohlena, J.

Nachträge zur flora von Böhmen. Preslia 10: 147-155. 1931.

Sillinger, P.

Reliktní ostrovy teplomilné vegetace v Nízkých Tatrách. (The relict islands of xerothermic vegetation in the Low Tatras). Preslia 10: 156-166. 1931.

English summary.

Viníklár, L.

K výskytu proteacei v českém útvaru krídovém. Preslia 10: 167-173. 2 pl. 1931.

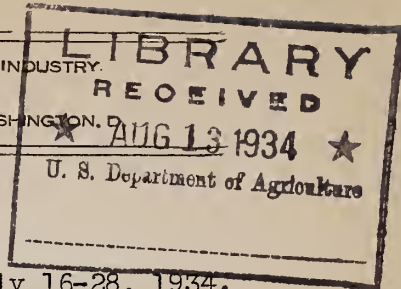
In Czech.



# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY.  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.



Vol. 16, no. 15.

July 16-28, 1934.

Acta Phytotaxon. & Geobot. Kyoto (450Ac83)

Kitamura, S.

Les cirses de l'Asie Orientale; leur classification et leur distribution. Acta Phytotaxon. & Geobot. Kyoto 3: 1-14. My. 1934. no.1. Japanese.

Koidzumi, G.

Bambusaceae novae japonicae. Acta Phytotaxon. & Geobot. Kyoto 3: 15-27. My. 1934. no.1.

Koidzumi, G.

[Review of R.C. Ching's *Sinopteris*, a new fern genus in China. Bull. Fan. Mem. Inst. v.4, no.10] Acta Phytotaxon. & Geobot. Kyoto 3: 49-51. illus. My. 1934. no.1.

Koidzumi makes a new family, *Sinopteridaceae*. Japanese with Latin diagnosis.

Kiodzumi, G.

[Species of Japanese *Fraxinus*]. Acta Phytotaxon. & Geobot. Kyoto 3: 40-42. My. 1934. no.1.

*F. excelsissima* & *F. tenoderacarpa* n.spp. Japanese with Latin diagnoses.

Kiodzumi, G.

[Two new species of *Pyrus*]. Acta Phytotaxon. & Geobot. Kyoto 3: 39-40. My. 1934. no.1.

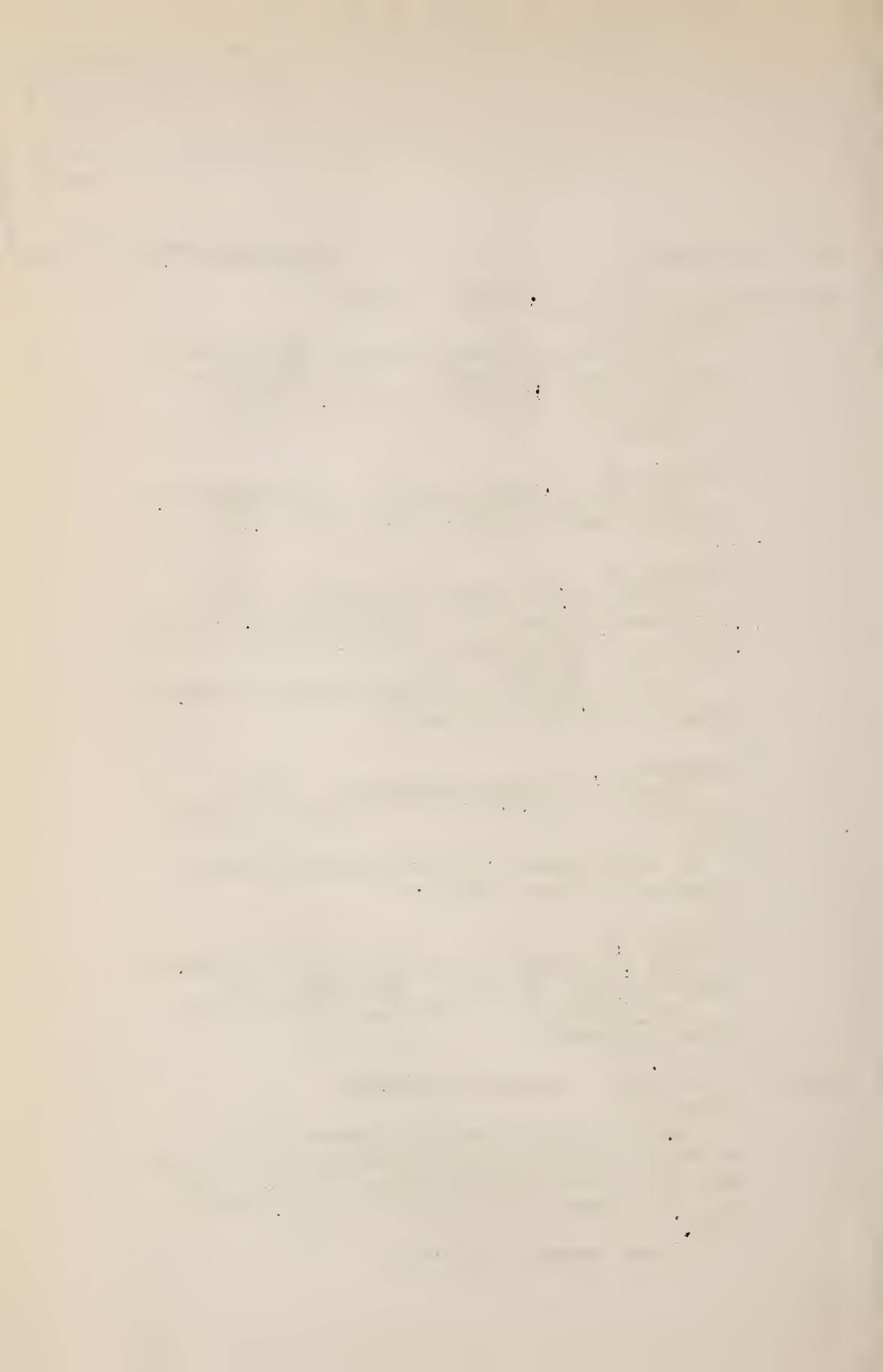
*Pyrus kunoriana*, *P. arakiana*. Japanese with Latin diagnoses.

Acta Soc. Bot. Polon. (Warsaw) (451Sol6)

Badian, J.

*Badania cytologiczne nad miksobakterja Polyangium fuscum*. (Eine zytologische untersuchung über die myxobakterie *Polyangium fuscum*). Acta Soc. Bot. Polon. 10: 361-378. illus., pl.xix. 1933. no.3.

German summary: p.373-377.



Acta Soc. Bot. Polon. (cont.)

Dabkowska, I.

Materiały do flory Polesia. (Juncaceae i  
Cyperaceae). Acta Soc. Bot. Polon. 10: 379-  
387. 1933. no.3.

Moycho, W.

Badania nad proteaza u *Bact. prodigiosum*.  
(Recherches sur la protease chez *Bact. prodigiosum*).  
Acta Soc. Bot. Polon. 10: 417-440. 1933. no.3.  
French résumé: p.438-440.

Pastewski, J.

Wpływ ciał koloidowych na pobieranie soli  
 $\text{CaCl}_2$  przez korzenie roślin. (Ueber den einfluss  
von kolloidsubstanzen auf die aufnahmefähigkeit  
von  $\text{CaCl}_2$  durch die wurzeln der pflanzen). Acta  
Soc. Bot. Polon. 10: 389-415. 1933. no.3.  
German résumé: p.415.

Szejnman, A.

Obserwacje za życia nad tworzeniem się  
pirenoidów u skretnicy. (Observations vitales  
sur la formation des pyrenoïdes chez *Spirogyra*).  
Acta Soc. Bot. Polon. 10: 331-359. pl.xviii.  
1933. no.3.  
French résumé: p.357-359.

Wóycicki, Z.

Quelques remarques sur la méiose chez l'hybride  
stérile de *Nicotiana atropurpurea* x *Nic. silvestris*.  
Acta Soc. Bot. Polon. 10: 441-449. illus. 1933. no.3.

Agr. Ferrarese (16Ag87)

Saraceni, A.

Prove per la difesa dall'*Exoascus deformans*.  
Agr. Ferrarese 39: 275-277. Je.30, 1934. no.12.

Agr. Gaz. N.S.W. (Sydney) (23N472)

Brown, H. P.

Internal breakdown of apricots. A condition  
observed on the Murrumbidgee irrigation area.  
Agr. Gaz. N. S.W. 45: 337-340. illus. Je.1, 1934.  
no.6.

Dwyer, R. E. P. & Bowman, F. T.

The value of cross-pollination for Williams  
pear. Agr. Gaz. N.S.W. 45:341-343. illus.  
Je.1, 1934. no.6.



Agr. Journ. Brit. Guiana (Georgetown) (9.6B774)

Martyn, E. B.

A note on plantain and banana diseases in British Guiana with especial reference to wilt. Agr. Journ. Brit. Guiana 5: 120-123. Je. 1934. no.2.

Agron. Colon. (Paris) (26Ag812)

Dufrenoy, J.

Le caoutchouc de guayule (*Parthenium argenteum* Gray). Agron. Colon. 23(1): 168-172. Je. 1934. no.198.

Amer. Nat. (470Am36)

Anderson, E. G.

A chromosomal interchange in maize involving the attachment to the nucleolus. Amer. Nat. 68: 345-350. Jl./Ag. 1934. no.717.

Zimmermann, W.

Research on phylogeny of species and of single characters (sippenphylogenetik und merkmalsphylogenetik). Amer. Nat. 68: 381-384. Jl./Ag. 1934. no.717.

Amer. Rose Ann. (81Am31A)

Erlanson, E. W.

Pollen analysis for rose-breeders. Amer. Rose Ann. 1934: 63-68. illus. 1934.

Massey, L. M.

Black-spot and mildew: let's control them. Amer. Rose Ann. 1934: 121-127. 1934.

Maxwell, B.

Last season's winter damage - words of warning. Amer. Rose Ann. 1934: 109-111. 1934.

Rosen, H. R.

Black-spot and powdery mildew in the middle west and south. Amer. Rose Ann. 1934: 118-120. 1934.

Ann. Serv. Bot. et Agron. Tunisie (108T832A)

Boeuf, F.

La photosensibilisation des organismes. Ann. Serv. Bot. et Agron. Tunisie 10: 179-218. 1933.

Revue de travaux.



Ann. So. Afr. Mus. (515So82)

Adamson, R. S.

Fossil plants from Fort Grey near East London.

Ann. So. Afr. Mus. 31: 67-96. illus. Ap. 1934.

Ann. Rep. Conserv. Dept. N.Y. (279.9N48)

Muenschler, W. C.

Aquatic vegetation of the Raquette River watershed. In A biological survey of the Raquette watershed. Ann. Rep. Conserv. Dept. N.Y. 23(Suppl.) 209-221. illus. 1934.

Muenschler, W. C.

Aquatic vegetation of the upper Hudson watershed. In A biological survey of the upper Hudson watershed. Ann. Rep. Conserv. Dept. N.Y. 22(Suppl.): 216-238. illus. 1933.

Ann. Rep. Dept. Agr. Bombay Pres. (22B63A)

Bombay presidency. Dept. of agriculture.

Summary of the work done under the plant pathologist... for the year 1932-33. In its Ann. Rep. 1932/33: 171-175. 1934.

B.N. Uppal plant pathologist.

Ann. Rep. Wisconsin State Cranberry Grow. Assoc. (81W752)

Bain, H. F.

Cross pollinating the cranberry. Ann. Rep. Wisconsin State Cranberry Grow. Assoc. 47(1933): 7-11. 1934.

Bain, H. F.

Further notes on cranberry spraying and water raking experiments. Ann. Rep. Wisconsin State Cranberry Grow. Assoc. 46(1932): 35-36. 1933.

Goldsworthy, V. C.

A preliminary report on cranberry false blossom in Wisconsin with special reference to early literature as found in the Wisconsin growers reports. Ann. Rep. Wisconsin State Cranberry Grow. Assoc. 46(1932): 39-51. 1933.

Anz. Akad. Wiss. Wien Math.-Naturw. Kl. (510V67A)

Almoslechner, E.

Ueber hefewuchsstoffe in Boletus edulis und in harn. Anz. Akad. Wiss. Wien Math.-Naturw. Kl. 70: 236-238. 1933. no.19.

Vorläufige mitteilung.



Anz. Akad. Wiss. Wien Math.-Naturw. Kl. (cont.)

Berg, K. H. v.

Einige beobachtungen zur cytologie der gattungen Polygonatum und Convallaria. Anz. Akad. Wiss. Wien Math.-Naturw. Kl. 70: 276-277. 1933. no.24.

Tschermak, E.

Ueber den grössen- und farbendimorphismus der körner bei den wild- und kulturformen des roggens und weizens. Anz. Akad. Wiss. Wien Math.-Naturw. Kl. 70: 223-224. 1933. no.19.

Tschermak, E.

Ueber intermediäre vererbung und chromosomen-addition bei artbastarden von Triticum villosum. Anz. Akad. Wiss. Wien Math.-Naturw. Kl. 70: 220-223. 1933. no.19.

Wagner, R.

Die quirdolde, ein neuer typus botrytischer systeme. Anz. Akad. Wiss. Wien Math.-Naturw. Kl. 70: 70-71. 1933. no.8.

Arch. Mikrobiol. (Berlin) (442.8Ar26)

Issatschenko, B. L. & Wackenhut, A. M.

Einige beobachtungen über den entwicklungs-zyklus des cellulosezersetzenden organismus. Arch. Mikrobiol. 5: 303-310. illus. Jc.25, 1934. no.3.

Experiments with Spirochaeta cytophaga.

Schwartz, W. & Lang, H.

Untersuchungen über die citronensäuregärung bei Aspergillus niger. Arch. Mikrobiol. 5: 387-401. Jc.25, 1934. no.3.

Tanner, F. W. & Eyerley, J. R.

The effect of ultraviolet light on the fermenting ability of yeasts. Arch. Mikrobiol. 5: 349-357. Jc.25, 1934. no.3.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Orechoff, A.

Untersuchung einiger heil- und giftpflanzen der UdSSR. auf deren alkaloidgehalt. Arch. Pharm. & Ber. Deut. Pharm. Ges. 272: 673-691. Jc. 1934. no.6.



Arvernica Biol. (Clermont Ferrand) (442.9Ar8)

Moreau, F.

L'indépendance relative de l'histoire générale du développement et de l'évolution nucléaire.

Reprinted from Arch. Zool. Exp. et Gén. 75: 307-317. illus. J1.29, 1933, as Arvernica Biol. f. 10, [no.7]

Species of Endophyllum, Neurospora tetrasperma, Pyronema confluens and Collema nigrescens.

Quiquandon, Y.

Sur les rapports que contractent dans les cultures le Sporobolomyces roseus Derx. et le Penicillium expansum Link. Clermont-Ferrand, 1932. (Arvernica Biol. f.8, [no.5])

Simandoux, F. M.

Contribution à l'étude des desmidiées d'Auvergne  
Essai sur la végétation desmidiale de l'ancien émissaire du lac Estivadoux, près de Besse. Arvernica Biol. f.10, [no.4] 34 p. v. pl. D.1933.

Extr. du Bull. de la Soc. Hist. Nat. d'Auv.  
21 juillet 1933.

Ber. Geobot. Forschungsinst. Rübel Zürich (451Z83B)

Grossmann, H.

Der einfluss der alten glashütten auf den schweizerischen wald. Ber. Geobot. Forschungsinst. Rübel Zürich 1933: 15-32. 1934.

Keller, P.

Die grundzüge der nachweiszeitlichen waldentwicklung in der Westschweiz. Ber. Geobot. Forschungsinst. Rübel Zürich 1933: 33-40. 1934.

Lüdi, W.

Beitrag zur kenntnis der beziehungen zwischen vegetation und boden im östlichen Aarmassiv. Ber. Geobot. Forschungsinst. Rübel Zürich 1933: 41-54. 1934.

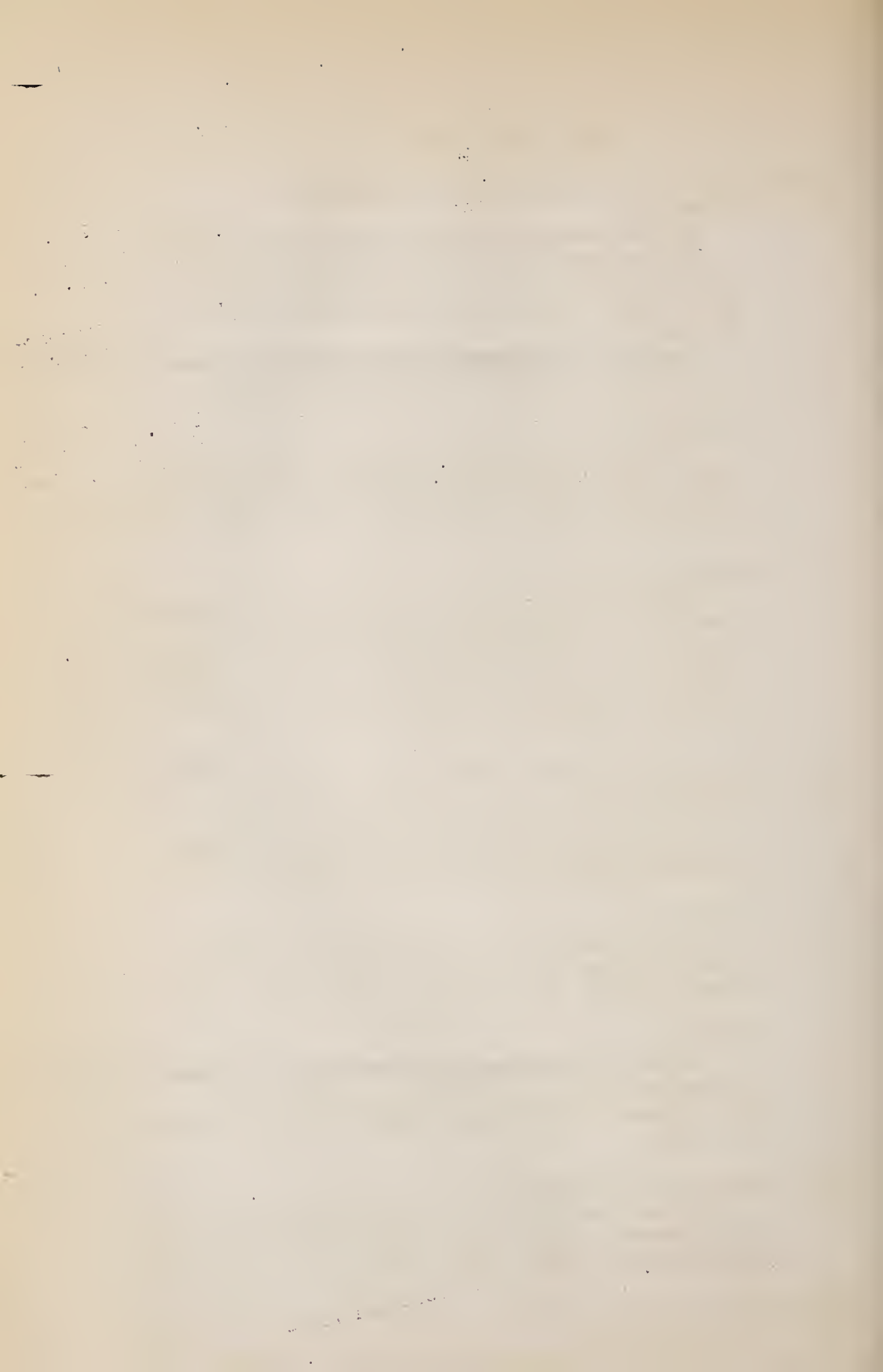
Lüdi, W. & Vareschi, V.

Die untersuchung der klimaverhältnisse im Albisgebiet. Ber. Geobot. Forschungsinst. Rübel Zürich 1933: 55-64. 1934.

Ber. Naturforsch. Ges. Freiburg (509F88B)

Lauterborn, R.

Der Rhein. Naturgeschichte eines deutschen stromes. 1. bd., 2. hälfte: Die zeit von 1800-1930. Ber. Naturf. Ges. Freiburg v.33. 324 p. port. 1934.



- Bol. Agr. Portugal (15.5P832Ag)  
Carvalho e Vasconcelos J. de  
Trigos portugueses ou de há muito cultivados  
no país (Subsidios para o seu estudo botanico).  
Bol. Agr. Portugal 1: 1-150. illus. Mr./Je.  
1933(Rec'd Jl.1934) no.1/2.
- Boll. R. Uffic. Serv. Agrari Tripolit. (24T733)  
Vivoli, G.  
Sull'allevamento dell'Acacia cyanophylla in  
piena terra e sul suo impiego nell'imboschimento  
delle dune mobili in Tripolitania. Boll. R.  
Uffic. Serv. Agrari Tripolit. 3: 173-181. illus.  
My. 1934. no.5.
- Boll. Tecn. R. Ist. Sper. Tabacchi Scafati (69.8B63)  
Trotter, A.  
I disturbi funzional e le alterazioni fogliari  
del tabacco. (The functional disturbances and the  
alternations of the leaves of tobacco). Boll.  
Tecn. R. Ist. Sper. Tabacchi Scafati 31: 13-51.  
illus., v pl. Ja./Mr.1934. no.1.  
Brief English summary.
- Bot. Mus. Leaf1. Harvard Univ. (451H262)  
Ames, O.  
An addition to the genus Vanilla. Bot. Mus.  
Leaf1. Harvard Univ. 2: 101-102. illus. Jl.11,  
1934. no.8.  
V. insignis.
- Brittonia (450B77)  
Core, E. L.  
Studies in the genus Scleria. Brittonia  
1: 239-243. Ap. 1934. no.5/6.
- Moldenke, H. N.  
A monograph of the genus Aegiphila.  
Brittonia 1: 245-477. Ap. 1934. no.5/6.
- Bull. Agr. Congo Belge (Bruxelles) (24K33)  
Lebrun, J.  
Rapport sur un voyage d'études botaniques dans  
le district de l'Uele-Itimbiri. Bull. Agr. Congo  
Belge 25: 91-113. illus. Mr. 1934. no.1.



Bull. Agr. Congo Belge. (cont.)

Stoeffels, E.

Contribution à l'étude de la sélection de l'*Elacis guineensis* à Sumatra. (Etude des facteurs écologiques). Bull. Agr. Congo Belge 25: 78-85. Mr. 1934. no.1.

Tihon, L.

L'*Entandrophragma palustris* Stenon. Bull. Agr. Congo Belge 25: 21-25. Mr. 1934. no.1.

Bull. Bern. P. Bishop Mus. (Honolulu) (500B45B)

Skottsberg, C.

*Astelia* and *Pipturus* of Hawaii. Bull. Bern P. Bishop Mus. no.117. 77 p. illus., 38 pl. F.24, 1934.

Wilder, G. P.

The flora of Makatca. Bull. Bern. P. Bishop Mus. no.120. 49 p. map, 5 pl. Ap.9, 1934.

Bull. Min. Agr. Gt. Brit. (10G794B)

Gt. Brit. Ministry of agriculture and fisheries

Report on fungus, bacterial and other diseases of crops in England and Wales, 1928-1932. Its Bull. 79. 117 p. 8 pl. 1934.

Bull. Miyazaki Coll. Agr. & For. (107.6M692)

Endo, S.

Einfluss der temperature auf den ausbruch der sklerotien-krankheit der saubohnen. Bull. Miyazaki Coll. Agr. & For. 3: 85-92. illus. 1934.

*Hypochnus centrifugus* (known in America as *Sclerotium rolfsii*) on *Vicia faba*.

Hino, I. & Hidaka, Z.

Black culm rot of bamboo-shoots. Bull. Miyazaki Coll. Agr. & For. 6: 93-99. illus., pl. iii. 1934.

*Collototrichum hsienjenchang* n.sp.

Matubara, S.

The morphological differentiation of flower buds and the formation of pistillate flowers in the chestnut tree. Bull. Miyazaki Coll. Agr. & For. 6: 1-18. pl.i. 1934.



Bull. Soc. Bot. France. (Paris) (451F84B)

Benoist, R.

Description d'espèces nouvelles de phanérogames de l'Equateur. Bull. Soc. Bot. France 81: 324-326. Je.8, 1934. no.3/4.

*Protium ecuadorensis*, *Rubus lloensis*, *Polylepis subintegra*, *Axinaea quitensis* n.spp.

Chermezon, H.

Contribution à la flore cypérolologique du Togo. Bull. Soc. Bot. France 81: 261-269. Je.8, 1934. no. 3/4.

*Fuirena mahouxi*, *Bulbostylis togoensis* n.spp.

Cugnac, A. d.

Sur quelques bromes et leurs hybrides. III. Données biométriques comparatives sur quelques caractères distinctifs de *Bromus rigidus* Roth, *B. gussonii* Parlat. et *B. sterilis* L. Bull. Soc. Bot. France 81: 318-323. Je.8, 1934. no.3/4.

Dauphiné, A.

Mise en évidence et localisation de substances protéiques dans la membrane végétale. Bull. Soc. Bot. France 81: 328-331. illus. Je.8, 1934. no.3/4.

Gagnepain, F.

Quelques liliacées nouvelles d'Indochine. Bull. Soc. Bot. France 81: 286-289, Je.8, 1934, no.3/4.

*Disporum trabeculatum*, *Gonioscypha muricata*, *Polygonatum laoticum* & *P. tonkinense* n.spp.  
*Dracaena cambodiana* Pierre mss., *D. loureiri* n.comb.

Gardet, G.

A propos d'*Eupteris aquilina* L. Bull. Soc. Bot. France 81: 255-261. Je.8, 1934. no.3/4.

Gazet du Chatelier, G.

Sur l'origine des fleurs mâles du *Sterculia platanifolia* L. Bull. Soc. Bot. France 81: 331-333. illus. Je.8, 1934. no.3/4.

Guillaumin, A.

Matériaux pour la flore de la nouvelle-Calédonie. XXXV-XXXVI. Bull. Soc. Bot. France 81: 242-246, 283-285. Je.8, 1934. no.3/4.

XXXV. Révision des méliacées. XXXVI. A propos des ternstroemiacées.



Bull. Soc. Bot. France. (cont.)

Jaeger, P.

Particularités nucléaires du grain de pollen des dipsacées. Bull. Soc. Bot. France 81: 291-295. illus. Je.8, 1934. no.3/4.

Morreau, F. & Dusseau, A.

Examen de la fluorescence de divers organes et de divers produits végétaux. I-IV. Bull. Soc. Bot. France 81: 247-254. Je.8, 1934. no.3/4.

I. Sur la fluorescence de quelques pigments fixés sur des plastes. II. Les variations de couleur de l'anthocyane examinée en lumière de Wood. III. Sur la fluorescence de quelques substances des fruits de diverses légumineuses. IV. Sur l'examen de champignons en lumière de Wood.

Moreau, F. & Moreau, Mme.

Sur la végétation lichénique des collines pépéritiques de Limagne. Bull. Soc. Bot. France 81: 334-346. Je.8, 1934. no.3/4.

Pellegrin, F.

L'origine botanique du bois d'ébène du Gabon. Bull. Soc. Bot. France 81: 327-328. Je.8. 1934. no.3/4.

*Diospyros crassiflora* Hiern (*D. incarnata* Güke = *D. evila* (Pierre) A. Chev.)

Pellegrin, F.

Réhabilitation du *Cordia senegalensis* de Jussieu. Bull. Soc. Bot. France 81: 270-272. illus. Je.8, 1934. no.3/4.

Perrier de la Bathie, H.

Les *Pachypodium* de Madagascar. Bull. Soc. Bot. France 81: 297-318. illus. (map) Je.8, 1934. no.3/4.

Simonet, M.

Stabilité chromosomique et parfaite constitution pollinique d'un hybride entre espèces à nombres inégaux et aneuploïdes de chromosomes (*Iris autosyndetica* nob.) Bull. Soc. Bot. France 81: 273-283. illus. Je.8, 1934. no.3/4.

Steimetz, E.

Réactif pratique pour l'analyse des coupes végétales. Bull. Soc. Bot. France 81: 296-297. Je.8, 1934. no.3/4.



Bull. Soc. Dendrol. France (Paris) (99.9Sol5)

Issler, E.

Espèces, variétés et hybrides du genre *Sorbus* observés en Alsace. Bull. Soc. Dendrol. France 1933: 70-80. illus. Ag.15, 1933. no.87.

Bull. Utsunomiya Agr. Coll. Japan (107.6Ut72)

Kagawa, F. & Chizaki, Y.

Cytological studies in genus hybrids of some cereals and a related plant. Bull. Utsunomiya Agr. Coll. Japan 5: 53-65. illus. Mr. 1934.

Japanese with English résumé: p.64-65.

*Triticum durum* x *Secale cereale* & *Aegilops triuncialis* x *Secale cereale*.

Suzuki, H.

Ueber den zuwachs des moso-und kuro-bambusses in Utsunomiya. I- Bull. Utsunomiya Agr. Coll. Japan 5; 17-28. pl. i. Mr. 1934.

Japanese with German résumé: p.28.

Uno, S.

Studien über bambusse. II. Ueber die fäulniss des bambusses. Bull. Utsunomiya Agr. Coll. Japan 4; 47-56. pl. F. 1934.

Japanese with German résumé: p.56.

- *Poria vaporis* & *Irpex concors*.

Watanabe, T.

Studies on the physiologic specialization in *Fusarium* sp. causing the stem rot of sweet potatoes. I. Cultural characters and the influence of temperature upon the mycelial growth. Bull. Utsunomiya Agr. Coll. Japan 5: 37-51. plii. Mr.1934.

Japanese with English résumé: p.51.

Yamazaki, M.

On the classification of *Rhizopus* species. Bull. Utsunomiya Agr. Coll. Japan 5: 1-16. Mr. 1934.

Japanese with English résumé: p.16.

La Chacra, Buenos Aires. (9C34)

Marchionatto, J. B.

La inmunidad de los vegetales. La Chacra Buenos Aires 4(45): 19, 77. Jl.1934.

Citrus Leaves (Redlands, Calif.)

Salter, A. G.

Constant vigilance profitable to maintain tree health. Citrus Leaves 14(7): 1-2, 20. port. Jl.1934.



Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)  
Bois, D.

Nouveaux arbres et arbustes d'ornement pour  
les pays tempérés. Compt. Rend. Acad. Agr.  
France 20: 670-690. Je.27, 1934. no.21.

Costantin, J.

Opportunité de la destruction des épine-  
vinettes en montagne, surtout dans le briançonnais.  
Compt. Rend. Acad. Agr. France 20: 692-702. Je.27,  
1934. no.21.

Compt. Rend. Acad. Sci. Paris (505P21)

Chouard, P.

Un cas singulier de transformation de bulbes  
en rhizomes drageonnants. Compt. Rend. Acad.  
Sci. Paris 199: 163-165. illus. Jl.9, 1934. no.2.  
In *Scilla adlami*.

Cugnac, A. de. & Obaton, F.

Sur quelques particularités de la biologie  
florale des graminées. Compt. Rend. Acad. Sci.  
Paris 199: 87-89. Jl.2, 1934. no.1.

Reed, H. S. & Frémont, T.

Sur les réactions des cellules des racines  
de citrus à l'infection par les mycorrhizas.  
Compt. Rend. Acad. Sci. Paris 199: 84-87. illus.,  
Jl.2, 1934. no.1.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Gautheret, R.

Sur la présence de lipides dans les vacuoles  
des plantules d'orge. Compt. Rend. Soc. Biol.  
Paris 116: 809-810. 1934. no.24.

Guilliermond, A.

Sur certaines particularités cytologiques d'un  
*Saprolegnia*: Dégénérescence mucilagineuse et pro-  
duction de sphérocristaux dans le suc vacuolaire.  
Compt. Rend. Soc. Biol. Paris 116: 805-808. illus.  
1934. no.24.

Hocquette, H.

Influence de la culture loin du bord de la  
mer sur l'anatomie du limbe d'*Elymus arenarius*.  
Compt. Rend. Soc. Biol. Paris 116: 766-768.  
1934. no.23.



Compt. Rend. Soc. Biol. Paris (cont.)

Luyet, B.

Action des rayons X sur la croissance et la multiplication d'une algue monocellulaire.

Compt. Rend. Soc. Biol. Paris 116: 873-880.  
1934. no.24.

Mangenot, G.

Sur certains constituants figurés du protoplasma des Vaucheria. Compt. Rend. Soc. Biol.

Paris 116: 737-740. 1934. no.23.

Current Science (Bangalore) (475Sci23)

Banerjee, S.

Notes on the occurrence of Grammothele cinerea Bres. Kneiffia grisea Berk. and Curtis.

Current Science 2: 478-479. Je. 1934. no.12.

Ehat, S. S.

The leaf, flower and fruit characters of the Santra orange. Current Science 2: 485. Je. 1934. no.12.

Kostoff, D.

Studies on the pollen-tubes. II. The dependence between the potency of the pollen-tube growth in foreign styles and the thickness of the pollen-tubes and chromosome number. Current Science 2: 464-466. Je. 1934. no.12.

Viswa Nath, B.

Some physical and chemical considerations on plant nutrition and growth. Current Science 2: 486-487. Je.1934. no.12.

Curt. Bot. Mag. (450C94)

Curtis's botanical magazine. v.157, pt.3. col. pl. 9359-9369. Jl.2, 1934.

Rhododendron detonsum, Lonicera hispida var. bracteata, Verbena corymbosa, Deutzia rubens, Tulipa cypria, Cypripedium cordigerum, Vallea stipularis var. pyrifolia, Ephedra viridis, Pedicularis delavayi, Cotyledon retundifolia, Iris cretensis.

Desert (Pasadena) (450D45)

Rooksby, E.

Marcus E. Jones. Desert (Pasadena) 6: 42. port. Jl.1934. no.3.



Desert (Pasadena) (cont.)

Walther, E.

Xerophytes for southwest gardens. Desert  
(Pasadena) 6: 36-37. illus. Jl.1934. no.3.  
Species of Eucalyptus.

Ecology (Brooklyn, N.Y.) (410Ec7)

Barkley, F. A.

The statistical theory of pollen analysis.  
Ecology 15: 283-289. Jl.1934. no.3.

Grant, M. L.

The climax forest community in Itasca County,  
Minnesota, and its bearing upon the successional  
status of the pine community. Ecology 15: 243-  
257. illus. (maps) Jl.1934. no.3.

Juday, C.

The depth distribution of some aquatic plants.  
Ecology 15: 325. Jl.1934. no.3.

Lutz, H. J.

Additions to the flora of Heart's Content,  
a virgin forest in northwestern Pennsylvania.  
Ecology 15: 295-297. Jl.1934. no.3.

McGinnies, W. G.

The relation between frequency index and abun-  
dance as applied to plant populations in a semiarid  
region. Ecology 15: 263-282. Jl.1934. no.3.

Seifrizz, W.

The plant life of Russian Lapland. Ecology  
15: 306-318. illus. Jl.1934. no.3.

Faserforsch. (Leipzig) (73.8F26)

Arno, A. & Borschtschawa, E.

Vergleichende technologische charakteristik  
der fasern von Hibiscus, Abutilon und Corchorus.  
Faserforsch. 11: 79-99. illus. Jl.6, 1934. no.2.

Schwede, R.

Beiträge zur mikroskopischen kenntnis des  
Manilahanfs. Faserforsch. 11: 105-121. illus.,  
pl. Jl.6, 1934. no.2.



Faserforsch. (cont.)

Walther, O. A.

Zur physiologischen charakteristik des faserflachsens. Faserforsch. 11: 63-78. J1.6, 1934. no.2.

Flor. Exch. (N.Y.) (80F666)

Barnhart, P. D.

A new race of hybrid Clivias. The story of a plant breeder and his achievements. Flor. Exch. 83(3): 23. illus. J1.21, 1934.

Weston, T. A.

Christmas roses... Flor. Exch. 72(19):9,12, 19. My.12, 1934.

White, R. P.

The Dutch elm disease situation. Flor. Exch. 83(3): 19. J1.21, 1934.

Flor. Rev. (Chicago) (80W41)

Craig, W. N.

Effects of severe winter on lily bulbs seen in New England. Flor. Rev. 74(1911): 21-22. J1.12, 1934.

Plants for the hardy garden. Flor. Rev. 74 (1913): 16. J1.26, 1934.

Douglasias, Potentilla fruticosa, Armeria caespitosa, Chamaemelum oreades.

Gard. Chron. (London) (80G162)

Balls, E.K.

Plant collecting in Persia. XIV. Schir Kuh and Kuh-i-Jupar. Gard. Chron. III,96: 8-9. illus. J1.7, 1934. no.2480.

Banfield, F. S.

Notes on orchids of the Malay Archipelago. II. Gard. Chron. III,95: 438. Je.30,1934. no.2479.

Cheal, W. F.

Apple blossom-set in the Wisbech district. Gard. Chron. III,96: 10. J1.7,1934. no.2480.

Grove, A.

Fruits of lilies. V. Liliium willmottiae and L. davidii. Gard. Chron. III, 95: 436. illus. Je.30,1934. no.2479.

Holmes-Smith, E.

Spotted wilt of tomato. Gard. Chron. III, 96: 11. illus. J1.7, 1934. no.2480.



Gard. Chron. (cont.)

Mulligan, B. O.

Fasciation. Gard. Chron. III,96: 10-11.  
Jl.7, 1934. no.2480.

Ward, F. K.

A strange iris. Gard. Chron. III,95: 437.  
Je.30, 1934. no.2479.  
K.W. 9357, closely resembles I.wattii.

Gard. Rev. Madras (80G1617)

Iyengar, P.S.P.

Brinjal cultivation (egg plant). Rev. Madras  
1(7): 18-20. My.1934; 1(8): 12-15. Je.1934.

Laud, D. S.

Bombay flowering trees.(Varieties which bloom  
in the hot weather). Gard. Rev. Madras 1(8): 7-  
10. Je.1934.

Gartenbauwiss. (Berlin) (80G195)

Branscheidt, P.

Zur frage der determination der internodien in  
verschiedener höhe des jahrestriebes bei der rebe  
und ihre bedeutung für rebenveredlung und reben-  
züchtung. Gartenbauwiss. 8: 515-572. illus.  
Je.22, 1934. no.4.

Werckmeister, P.

Ueber die künstliche aufzucht von embryonen  
aus Iris-bastardsamen. Gartenbauwiss. 8: 607-  
615. Je.22, 1934. no.4.  
Vorläufige mitteilung.

Wóycicki, S.

Untersuchungen über den verlauf der nahrungs-  
aufnahme bei zierpflanzen. I. Gartenbauwiss.  
8: 599-606. Je.22, 1934. no.4.

Yarnell, S. H.

Influence of heredity with respect to a fruit  
defect of the tomato. Gartenbauwiss. 8: 616-633.  
illus. Je.22, 1934. no.4.

Gartenfl. (Berlin) (80G19)

Kammeyer, H. F.

Die schönheit der einjährigen ziergräser.  
Gartenfl. 83: 194-198. illus. Jl. 1934.



Helvetica Chim. Acta (Basel) (385H36)

Karrer, P., Loewe, L. & Rübel, F.

Pflanzenfarbstoffe. LX-LXI. Helvetica  
Chim. Acta 17: 745-747, 773-774. 1934. no.4.

LX. Ueber astacin. II. LXI. Ueber einwirkungs-  
produkte von alkylmagnesiumsalzen auf dihydro-  
bixinester I.

Treadwell, W. D. & Zürrer, T.

Beitrag zur kenntnis der pflanzlichen atmung.  
Helvetica Chim. Acta 17: 886-892. illus. 1934.  
no.4.

Experiments with *Dactylis* and winter wheat.

Indian Journ. Agr. Sci. (Calcutta) (22Ag83I)

Ayyangar, G. N. R. & Wariar, U. A.

Anthesis and pollination in ragi, *Eleusine  
coracana* (Gaertn.), the finger millet. Indian  
Journ. Agr. Sci. 4: 386-393. pl.xxiv. Ap.1934.  
no.2.

Sen, K. R.

Variations in the characters of cotton fibres  
with the progress of the season. Indian Journ.  
Agr. Sci. 4: 295-319. Ap. 1934. no.2.

Singh, T. S. N.

Chromosome numbers in the genus *Saccharum* and  
its hybrids. Indian Journ. Agr. Sci. 4: 290-294.  
pl. xviii-xx. Ap.1934. no.2.

Singh, U. B.

Studies on *Cercospora indica*, n.sp., parasitic  
on *Cajanus indicus* Spreng. Indian Journ. Agr.  
Sci. 4: 343-360. pl.xxi-xxiii (1 col.) Ap.1934.  
no.2.

Intern. Bull. Plant Prot. (464.8In8)

Alfaro Cordoso, J. G.

Mozambique: Diseases and pests of citrus in  
the district of Lourenço Marques. Intern. Bull.  
Plant Prot. 8: 126. Je.1934. no.6.

Journ. Agr. Prat. (Paris) (14J82)

Foëx, E.

Maladie du coeur de la betterave. Journ.  
Agr. Prat. 98(2): 518-520. Je.30,1934. no.26.



Journ. Agr. Prat. (cont.)

Haution, R.

Le carburant et les champignons. Journ.

Agr. Prat. 98(2): 517-518. Je.30, 1934.  
no.26.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Banfield, W. M.

Life history of the crown-gall organism in  
relation to its pathogenesis on the red raspberry.  
Journ. Agr. Res. 48: 761-787. illus. My.1, 1934.  
(Rec'd Jl.23). no.9.

Hildebrand, E. M.

Life history of the hairy-root organism in  
relation to its pathogenesis on nursery apple trees.  
Journ. Agr. Res. 48: 857-885. illus. My.15,  
1934(Rec'd Jl.20) no.10.

Lachmund, H. G. & Hansbrough, J. R.

Survival of blister-rust mycelium in western  
white pine. Journ. Agr. Res. 48: 1043-1047.  
Je.1, 1934. (Rec'd Jl.19). no.11.

Lambert, E. B.

Size and arrangement of plots for yield tests  
with cultivated mushrooms. Journ. Agr. Res. 48:  
971-980. illus. Je.1, 1934 (Rec'd Jl.19) no.11.

Longley, A. E.

Chromosomes in hybrids between *Euchlaena*  
*perennis* and *Zea mays*. Journ. Agr. Res. 48: 789-  
806. illus. My.1, 1934 (Rec'd Jl.23) no.9.

Riker, A. J., Keitt, G.W., Hildebrand, E.M. & Banfield, W.M.

Hairy root, crown gall, and other malformations,  
at the unions of piece-root-grafted apple trees and  
their control. Journ. Agr. Res. 48: 913-939.  
My.15, 1934 (Rec'd Jl.20) no.10.

Riker, A.J. and Hildebrand, E. M.

Seasonal development of hairy root, crown gall,  
and wound overgrowth on apple trees in the nursery.  
Journ. Agr. Res. 48; 887-912. illus. My.15, 1934.  
(Rec'd Jl.20) no.10.



Journ. Agr. Res. (cont.)

Stakman, E.C., Levine, M. N., Cotter, R.U. & Hines, L.

Relation of barberry to the origin and persistence of physiologic forms of *Puccinia graminis*.

Journ. Agr. Res. 48: 953-969. illus. (maps)

Je.1, 1934 (Rec'd Jl.19) no.11.

Waldron, L. R.

Increase of kernel weight in common wheat due to black-point disease. Journ. Agr. Res. 48: 1017-1024. Je.1, 1934 (Rec'd Jl.19) no.11.

White, R. P. & McCulloch, L.

A bacterial disease of *Hedera helix*. Journ. Agr. Res. 48: 807-815. 2 pl. My.1, 1934 (Rec'd Jl.23) no.9.

Journ. Agr. Sci. (London) (10J822)

Knowles, F., Watkin, J.E. & Hendry, F.W.F.

A chemical study of sugar beet during the first growth year. Journ. Agr. Sci. 24: 368-378. Jl. 1934. no.3.

Martin, H. & Salmon, E. S.

The fungicidal properties of certain spray-fluids. XI. Journ. Agr. Sci. 24: 469-490. Jl. 1934. no.3.

Journ. Arnold Arb. (Cambridge, Mass.) (451Ar6J)

Arthur, J. E.

Nomenclatural priority in the Uredinales. Journ. Arnold Arb. 15: 263-265. Jl. 1934. no.3.

Bailey, I. W. & Faull, A. F.

The cambium and its derivative tissues. IX. Structural variability in the redwood, *Sequoia sempervirens*, and its significance in the identification of fossil woods. Journ. Arnold Arb. 15: 233-254. pl.99-106. Jl. 1934. no.3.

Crowell, I. H.

The hosts, life history and control of the cedar-apple rust fungus *Gymnosporangium juniperi-virginianae* Schw. Journ. Arnold Arb. 15: 163-232. maps, pl.91-98. Jl. 1934. no.3.



Journ. Arnold Arb. (cont.)

Linder, D. H.

The seventh century of the Reliquiae Farlowianae. Distributed by the Farlow herbarium of Harvard university. Journ. Arnold Arb. 15: 259-262. pl. 109. Jl. 1934. no.3.

Phyllachora buddleiae Arnaud n.sp., Phleospora buddleiae (conidial stage of former fungus) Linder n.sp.

Sax, K. & Beal, J.M.

Chromosomes of the Cycadales. Journ. Arnold Arb. 15: 255-258. pl.107-108. Jl. 1934. no.3.

Journ. Bot. (London) (450J82)

Bancroft, H.

An external leaf-character of the cricket-bat and other willows. Journ. Bot. 72: 165-167. Je. 1934. no.858.

Butcher, R. W.

Thalictrum minus Linnaeus sensu latissimo in Britain. Journ. Bot. 72: 153-165. illus. (map) Je. 1934. no.858.

International botanical congress, 5th, Cambridge, 1930.

International rules of botanical nomenclature adopted by the fifth International botanical congress, Cambridge, 1930. Journ. Bot. v.72, Suppl. 29 p. Je. 1934. no.858.

Lousley, J. E.

Two interesting hybrids in the British flora. Journ. Bot. 72: 171-175. Je. 1934. no.858.

Cirsium eriophorum x C. lanceolatum, Verbascum pulverulentum x V. thapsus.

Mathews, J. R.

Rosa perthensis Rouy and its history as a British plant. Journ. Bot. 72: 167-171. Je. 1934. no.858.

Praeger, R. L.

Propagation from aerial shoots in Equisetum. Journ. Bot. 72: 175-176. Je. 1934. no.858.

Ridley, H. N.

J.D. Gimlette (1867-1934). Journ. Bot. 72: 176. Je. 1934. no.858.



Journ. Bot. (cont.)

Williams, I. A.

*Bromus interruptus* Druce in Holland. Journ.  
Bot. 72: 178. Je.1934. no.858.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)  
Johnston, W. C.

The addition of two cruciferous weeds to the  
list of these plants in South Australia. Journ.  
Dept. Agr. So. Australia 37: 1276-1279. illus.  
My.15, 1934. no.10.

*Conringia orientalis*, *Barbarea verna*.

Journ. Dept. Agr. Victoria (Melbourne) (23V66J)  
Castella, F. de

Court-noué, a mysterious vine disease. New  
light on an old enigma. Journ. Dept. Agr.  
Victoria 32: 298-301. Je. 1934. no.6.

Journ. Gen. Physiology. (Baltimore) (447.8J822)

Emerson, R. & Green, L.

Manometric measurements of photosynthesis in  
the marine alga *Gigartina*. Journ. Gen. Physiol.  
17: 817-842. illus. Jl.20; 1934. no.6.

Journ. Indian Chem. Soc. (Calcutta) (385In27)

Venkata Giri, K.

Amylase from sweet potato (*Ipomoea batatas*).  
Journ. Indian Chem. Soc. 11: 339-350. My.1934. no.5.

Journ. Min. Agr. Gt. Brit. (10G79J)

Pethybridge, G. H.

Snapdragon (*Antirrhinum*) rust. Journ. Min.  
Agr. Gt. Brit. 41: 336-340. Jl. 1934. no.4.

Preston, N. C.

The control of club root finger-and-toe in  
cauliflowers. Journ. Min. Agr. Gt. Brit. 41:  
329-335. 2 pl. Jl.1934. no.4.

Journ. N.Y. Bot. Gard. (89N48J)

Small, J. K.

Native ferns in the New York botanical garden.  
Journ. New York Bot. Gard. 35: 148-151. map.  
Jl. 1934. no.415.

Teuscher, H.

Hardiness in plants. (cont.) Journ. N.Y.  
Bot. Gard. 35: 152-167. Jl. 1934. no.415.



Journ. Washington Acad. Sci. (500W276J)

Brown, R. W.

The supposed fossil ear of maize from Cuzco, Peru. Journ. Washington Acad. Sci. 24: 293-296. illus. Jl.15, 1934. no.7.

Hitchcock, A. S.

New species of Aulacolepis and other grasses. Journ. Washington Acad. Sci. 24: 290-292. Jl.15, 1934. no.7.

A. clemensae, A. petelotii, Muhlenbergia lindheimeri n.spp.

Kolloid-Beih. (384Z315K)

Samec, M., Knop, L. & Förster, M.

Studien über pflanzenkolloide. XXXVI-XXXVIII. Kolloid-Beih. 39: 421-437, 438-463, 464-468. Je.20, 1934. no.8/12.

XXXVI. Bereitung und dispersitätsgrad von erythrokörpern aus kartoffelstärke. XXXVII. Die teilchengrösse der amylose und ihrer desaggregationsprodukte beim azetylieren, bei der hitzespaltung und beim altern. XXXVIII. Ueber röstdextrine.

Kolloid-Zeitschr. (Dresden) (384Z315)

Samec, M. & Budanko, B.

Studien über pflanzenkolloide. XXXIX. Das fadenziehen der stärke-lösungen. Kolloid-Zeitschr. 67: 258-264. Je. 1934. no.3.

Kranke Pflanze (Dresden) (464.8K86)

Helm, A.

Was ist "lohe"? Kranke Pflanze 11: 83-85. Jl./Ag. 1934. no.7/8.

Popular term for many diseases (mainly mildews) also some insect troubles.

Philipp. W.

Der kartoffelnematode - der gefährlichste kartoffelschädling. Kranke Pflanze 11: 77-82. illus. Jl./Ag. 1934. no.7/8.

Landbouwk. Tijdschr. Wageningen (105.20r3)

Lincklaen Arriëns, R.A.L.

Een en ander over resistentie en verworven immuniteit bij planten. Landbouwk. Tijdschr. Wageningen 46: 514-523. Jl.1934. no.562.



- K. Landtbr.-Akad. Handl. o. Tidskr. (Stockholm) (104Sw3)  
Lundegårdh, H.  
Markbeskaffenhet och gödslingsbehov. (Studies on the relations between soil conditions and the absorption of nutrient salts by plants). K. Landtbr.-Akad. Handl. o. Tidskr. 73: 225-289. illus.(map) 1934. no.3.  
English summary: p.282-287.
- Landw. Jahrb. (Berlin) (18L23)  
Scharrer, K. & Schropp, W.  
Beiträge zur frage der wirkung des bors auf das pflanzenwachstum. Landw. Jahrb. 79: 977-999. illus. 1934. no.6.
- Malayan Agr. Journr. (Kuala Lumpur) (22.5F312)  
Thompson, A.  
Diseases of tobacco in Malaya. Malayan Agr. Journr. 22: 263-269. Je.1934. no.6.
- Mezőgazd. Kutat. Budapest (19M57)  
Hauser, J.  
Adatok a csávázószernek csirazast befolyásoló hatásának ismeretéhez. (Beiträge zur kenntnis der keimungsfördernden wirkung einiger beizmittel). Mezőgazd. Kutat. Budapest. 7: 69-77. Mr./Ap. 1934. no.3/4.  
German summary: p. 77.
- Mitt. Landw. (Berlin) (18D48M)  
Schlumberger, O.  
Schwarzbeinigkeit und knollennassfäule der kartoffel. Mitt. Landw. 49: 611. Jl.14, 1934. no.28.
- Nature (London) (472N21)  
Burt Davy, J.  
An early record of the sycamore maple in Britain. Nature 134: 61-62. illus. Jl.14, 1934. no.3376.  
In carvings on the canopy of the shrine of St. Frideswyde in cathedral of Christ Church, Oxford, attributed to the period 1290-1320.
- Carroll, J. & McMahon, E.  
Hatching experiments on the potato eelworm (Heterodera schachtii). Nature 134: 66. Jl.14, 1934. no.3376.



Nature (cont.)

Joshi, A. C.

Chromosome numbers in Menispermaceae. Nature  
134: 29. Jl.7, 1934. no.3375.

Viswa Nath, B. & Suryanarayana, M.

Effect of yeast extract on the growth of  
plants. Nature 134: 27. Jl.7, 1934. no.3375.

Yonge, C. M.

Origin and nature of the association between  
invertebrates and unicellular algae. Nature  
134: 12-15. Jl.7, 1934. no.3375.

Nature Mag. (Washington) (409.6N214)

Morse, E. E.

The whispering fungus. Nature Mag. 24:84.  
illus. Ag.1934. no.2.  
Elvela mitra.

Naturforsch. (Berlin) (410N219)

Walter, M.

Blütenpflanzen in 4000 m höhe. Naturforsch.  
11: 128-133. illus., pl.x. Jl.1934. no.4.

New Flora & Silva (London) (80N422)

Bean, W. J.

Nothofagus, southern beeches, II. New Flora  
& Silva 6: 250-255. Jl.1934. no.4.

McFarland, J. H.

Fragrant Philadelphus. New Flora & Silva  
6: 238-241. pl. lxxxiii-lxxxvi. Jl.1934. no.4.

Maxwell, H.

Gladiolus watsonii. New Flora & Silva 6:  
234. col.pl. Jl.1934. no.4.

Meinertzhagen, L. E.

Barberries of Patagonia. New Flora & Silva  
6: 256-258. pl.xci-xciv. Jl.1934. no.4.

Rosenheim, P.

The cultivation of Fritillarias. New Flora  
& Silva 6: 235-237. Jl.1934. no.4.

Rowntree, L.

The native flora of the California redwood  
forests. New Flora & Silva 6: 242-249. pl.  
lxxxvii-lxxxix. Jl.1934. no.4.



New Flora & Silva (cont.)

Schacht, W.

*Astragalus physocalyx*. New Flora & Silva  
6: 274-275. pl.c. Jl. 1934. no.4.

Synge, P. M.

Collecting *Nepenthes* in Borneo. New Flora  
& Silva 6: 221-227. pl. lxxvii-lxxxii. Jl. 1934.  
no.4.

New Zeal. Journ. Agr. (Wellington) (23N48J)

Chamberlain, E. E.

Tomato-mosaic. Its appearance, cause, and  
preventive treatment. New Zeal. Journ. Agr.  
48: 344-351. illus. Je.20, 1934. no.6.

New Zeal. Journ. Sci. & Techn. (Wellington) (514N48)

Tiller, L. W.

Use of copper-sulphate-treated paper in the  
cold storage of pears. New Zeal. Journ. Sci.  
& Techn. 15: 403-407. illus. My.1934. no.6.

Northwest Science (Cheney, Washington) (47ON81)

Wyckoff, S. N.

Accomplishments of the civilian conservation  
corps in blister rust control. Northwest Science  
8(2): 5-8. Je. 1934.

Nova Acta R. Soc. Sci. Upsala (502Up7N)

Svedelius, N.

On the development of *Asparagopsis armata* Harv.  
and *Bonnemaisonia asparagoides* (Woodw.) Ag. A  
contribution to the cytology of the haplobiontic  
*Rhodophyceae*. Nova Acta R. Soc. Sci. Upsala IV,  
v.9, no.1. 61 p. illus. 1933.

Obst- u. Gemüseb. (Berlin) (80P7750)

Geuder, H.

Einiges über die entstehung und entwicklung  
der blütenknospen der obstbäume. Obst- u.  
Gemüseb. 80: 89-90. Je.1934. no.6.

Kemmer, E.

Beitrag zur wurzelentwicklung der sämlings-  
unterlage beim apfel. Obst- u. Gemüseb. 80:  
34-36. illus. Mr.15, 1934. no.3.

Rudloff, C. F.

Untersuchungen über die befruchtungsverhält-  
nisse bei kirschen. Obst- u. Gemüseb. 80: 92-  
93. Je. 1934. no.6.



Obst- u. Gemüseeb. (cont.)

Rudloff, C. F.

Das wichtigste über die befruchtungsverhältnisse bei unseren obstgehölzen. Obst- u. Gemüseeb. 80: 33-34. Mr.15, 1934. no.3.

Vogel, F.

Die wirkung des jods auf verschiedene gemüsearten. (concl.) Obst- u. Gemüseeb. 80: 41-42. Mr.15, 1934. no.3.

Occas. Papers Bern. P. Bishop Mus. (500B450)

Bartram, E. B.

Polynesian mosses. Occas. Papers Bern. P. Bishop Mus. v.10, no.10. 28 p. illus. D.15, 1933.

Christophersen, E.

A new Hawaiian Abutilon. Occas. Papers Bern. P. Bishop Mus. v.10, no.15, 7 p. illus. My.5, 1934.

*A. sandwicense welchii*.

Martelli, U.

Samoan Pandanaceae. Occas. Papers Bern. P. Bishop Mus. v.10, no.13. 24 p. illus. Mr.30, 1934.

St.John, H.

Hawaiian plant studies. 2. Panicum, Zanthoxylum, Psychotria and Sicyos. Occas. Papers Bern. P. Bishop Mus. v.10, no.12. 7 p. illus. Mr.24, 1934.  
*Panicum pellitoides* n.sp.

Smith, F. G.

*Diellia* and its variations. Occas. Papers Bern. P. Bishop Mus. v.10, no.16. 22 p. illus., 7 pl. My.7, 1934.

Oesterr. Vierteljahresschr. Forstw. (Wien) (99.90e8)

Schwarz, H.

Das ulmensterben und sein erreger. Oesterr. Vierteljahresschr. Forstw. 84(n.f.52): 15-18. 1934. no.1.

Orchid Rev. (Richmond, Engl.) (800r15)

Zurowetz, J. E.

*Dendrobium lasianthera*, J.J. Smith (*D. stüberi*)  
Orchid Rev. 42: 204-205. illus. Jl.1934. no.493.



Pflanzenbau (Berlin) (18P48)

Semeroth, H.

Der einfluss der witterung auf den beerenansatz  
bei künstlicher befruchtung der kartoffelblüte.  
Pflanzenbau 10: 471-478. Je. 1934. no.12.

Phosphorsäure (57.8P562)

Nemec, A.

Ueber die zusammensetzung der mineralstoffe  
einiger krebsfester und gegen krebs anfälliger  
kartoffelsorten. Phosphorsaure 4: 352-357.  
1934. no.6.

Phytopath. (464.8P56)

American phytopathological society - Southern  
division.

Report of annual meeting, 1934 [and abstracts  
of papers] Phytopath. 24: 835-844. Jl. 1934.  
no.7.

Berry, J. A. & Magoon, C. A.

Growth of microorganisms at and below 0° C.  
Phytopath. 24: 780-796. Jl. 1934. no.7.

Crosier, W.

Black spot of germinating pea seed. Phytopath.  
24: 827-829. illus. Jl. 1934. no.7.

Habits of growth of fungus suggest *Dematium*  
*pullulans*.

Davidson, R. W.

*Stereum gausapatum*, cause of heart rot of oaks.  
Phytopath. 24: 831-832. Jl. 1934. no.7.

Kendrick, J. B.

Cucurbit mosaic transmitted by muskmelon seed.  
Phytopath. 24: 820-823. illus. Jl. 1934. no.7.

Oserkowsky, J.

Fungicidal effect on *Sclerotium rolfsii* of  
some compounds in aqueous solution and in the  
gaseous state. Phytopath. 24: 815-819. illus.  
Jl. 1934. no.7.

Poole, R. F.

Sweet-potato ring rot caused by *Pythium ultimum*.  
Phytopath. 24: 807-814. illus. Jl. 1934. no.7.



Phytopath. (cont.)

Price, W. C.

Isolation and study of some yellow strains of cucumber mosaic. *Phytopath.* 24: 743-761. illus. J1.1934. no.7.

Richards, B. L.

Reaction of alfalfa varieties to stem blight. *Phytopath.* 24: 824-827. J1.1934. no.7.

Smith, C. O.

Stem-spot of rhubarb. *Phytopath.* 24: 832-833. illus. J1.1934. no.7.  
*Phyllosticta straminella.*

Steinberg, R. A.

A modification in incubator construction. *Phytopath.* 24: 829-831. illus. J1.1934. no.7.

Steinmetz, F. H. & Hilborn, M. T.

Observations on *Gymnosporangium germinale*. *Phytopath.* 24: 833-834. J1. 1934. no.7.

Wismer, C. A.

Inheritance of resistance to bunt and leaf rust in the wheat cross, Oro x Tenmarq. *Phytopath.* 24: 762-779. J1. 1934. no.7.

Yarwood, C. E.

The comparative behavior of four clover-leaf parasites on excised leaves. *Phytopath.* 24:797-806. illus. J1.1934. no.7.  
*Uromyces, Erysiphe, Colletotrichum, Macrosporium.*

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Friesing) (464.8P88)

Ostermayer, A.

Statistische studien über das auftreten und die bekämpfung von pflanzenkrankheiten. *Prakt.Blätt. Pflanzenb. u. Pflanzensch.* 34(n.s.12): 61-71. Je. 1934. no.3.

Proc. Imp. Acad. Tokyo (513T576)

Hirayama, S.

On the oxydase and the dehydrase in phytopathogenic fungi. *Proc. Imp. Acad. Tokyo* 9: 639-642. D.1933. no.10.

Proc. Nat. Acad. Sci. (500N21P)

Constance, L.

A preliminary revision of the perennial species of *Eriophyllum*. *Proc. Nat. Acad. Sci.* 20: 409-413. J1.1934. no.7.



Proc. Staten Isl. Inst. (500St2)

Arthur Hollick 1857-1933. Proc. Staten Isl.  
Inst. 7: 11-23. port. D,11,1933. no.1/2.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Armet, H.

Action coagulante du cuivre sur le mildiou.  
Progr. Agr. & Vitic. 94: 137-140. Ag.10, 1930.  
no.32.

Armet, H.

Bouillies célestes au sulfate d'ammoniaque  
et solutions cupriques aux composés tartriques.  
Progr. Agr. & Vitic. 102: 19-23. Jl.1, 1934. no.26.

Rosella, E.

Les piétins des céréales. Progr. Agr. & Vitic.  
102: 13-17. Jl.1, 1934. no.26.

Queensl. Agr. Jour. (Brisbane) (23Q33)

White, C. T.

Vinca rosea. A reputed cure for diabetes.  
Queensl. Agr. Jour. 41: 598-600. illus. Je.1,  
1934. no.6.

Rec. Auckland Inst. & Mus. (514Au22R)

Cranwell, L. M.

Flora of Manihiki, Cook group. Rec. Auckland  
Inst. & Mus. 1: 169-171. S.25, 1933. no.4.

Repert, Spec. Nov. Fedde (Berlin) (450R29)

Andres, H.

Primula columnae Ten, in der Rheinprovinz.  
Repert. Spec. Nov. Fedde 35(Repert. Europ. & Med.  
4,5/10): 269-271. Je.15, 1934. no.8/17.

Burret, M.

Die palmengattung *Astrocaryum* G.F.W. Meyer.  
Repert. Spec. Nov. Fedde 35: 114-158. Je.15,  
1934. no.8/17.

Fedde, F.

Prof, Dr. Fr. Kränzlin. Repert Spec. Nov.  
Fedde 35: 113. Je.15, 1934. no.8/17.  
Died Mr.9, 1934.

Hosseus-Cordoba, C. C.

Bemerkungen zum vorkommen einiger südamerikan-  
ischer fabroniaceen. Repert. Spec. Nov. Fedde  
35: 174-176. Je.15, 1934. no.8/17.



Repert. Spec. Nov. Fedde (cont.)

Poellnitz, K.v.

Die *Calandrinia*-arten Australiens. Repert.  
Spec. Nov. Fedde 35: 161-173. Je.15, 1934.  
no.8/17.

Poellnitz, K.v.

*Kalanchoe blossfeldiana*. Repert. Spec. Nov.  
Fedde 35: 159-160. Je.15, 1934. no.8/17.

Steinhäuser, M.

Die floristische stellung und herkunft der  
pflanzenwelt der ostfriesischen Inseln. Repert.  
Spec. Nov. Fedde 35 (Repert. Europ. & Med. 4, 5/10):  
177-268. Je.15, 1934. no.8/17.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Düren, W.

Zur verwandlung der pflanze. In Beiträge  
zur systematik und pflanzengeographie XI. Repert.  
Spec. Nov. Beih. 76: 203-206. 1934.

Fischer, H.

Pflanzenstandorte und vererbungslehre.  
In Beiträge zur systematik und pflanzengeographie  
XI. Repert. Spec. Nov. Beih. 76: 164-172. 1934.

Jonas, Fr.

Die paläobotanische untersuchung brauner  
flugsande und deren stellung im alluvium  
In Beiträge zur systematik und pflanzengeographie  
XI. Repert. Spec. Nov. Beih. 76: 153-163.  
pl.xix. 1934.

Jonas, Fr.

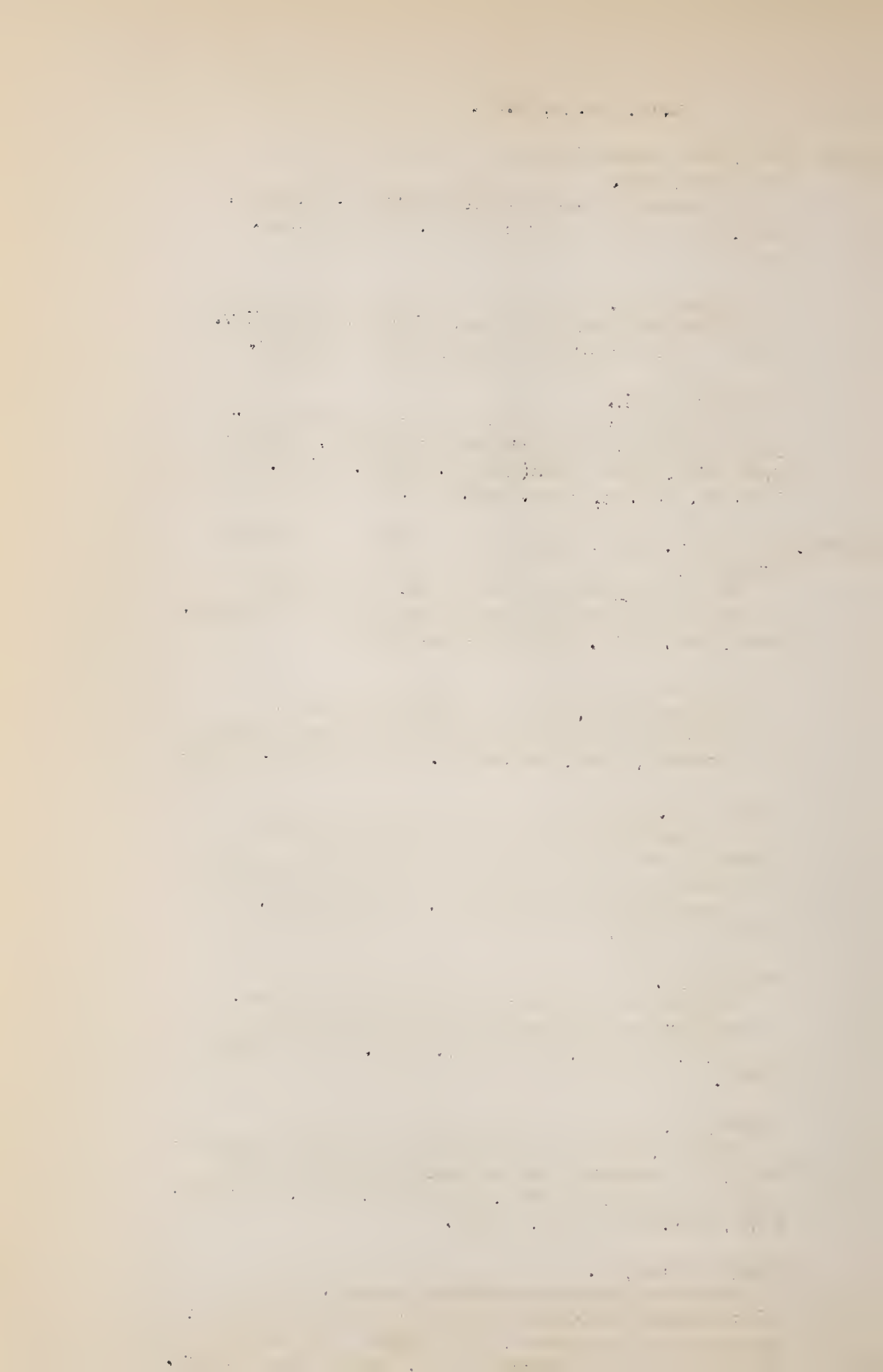
Zur waldentwicklung Nordwestdeutschlands.  
In Beiträge zur systematik und pflanzengeogra-  
phie XI. Repert. Spec. Nov. Beih. 76: 149-152.  
1934.

Klemm, M.

Boden, klima und vegetation der Burjato-Mongo-  
lei. In Beiträge zur systematik und pflanzen-  
geographie XI. Repert. Spec. Nov. Beih. 76: 225-  
239. pl.xvii-xviii. 1934.

Langerfeldt, J.

Kompensationserscheinungen innerhalb von  
pflanzengemeinschaften als ausdruck des sozialen  
prinzips in der natur. In Beiträge zur systema-  
tik und pflanzengeographie XI. Repert. Spec. Nov.  
Beih. 76: 1-11. 1934.



Repert. Spec. Nov. Beih. (cont.)

Mattick, F.

Die organisation der floristischen forschung in Deutschland. In Beiträge zur systematik und pflanzengeographie XI. Repert. Spec. Nov. Beih. 76: 207-213. 1934.

Plahn,

Eine neue pflanzenbestimmungsmethode. Theoretisch-entwurf. In Beiträge zur systematik und pflanzengeographie XI. Repert. Spec. Nov. Beih. 76: 173-202. 1934.

Rubner, K.

Klima und holzartenverbreitung in Europa. In Beiträge zur systematik und pflanzengeographie XI. Repert. Spec. Nov. Beih. 76: 100-110. 1934.

Scheuermann, R.

Mittelmeerpflanzen der güterbahnhöfe des rhein-westf. industriegebietes. I. Nachtrag. In Beiträge zur systematik und pflanzengeographie XI. Repert. Spec. Nov. Beih. 76: 65-99. 1934.

Schulze, G. M.

Vergleichend-morphologische untersuchungen an laubknospen und blättern australischer und neuseeländischer pflanzen. In Beiträge zur systematik und pflanzengeographie XI. Repert. Spec. Nov. Beih. 76: 33-64. pl.i-xvi. 1934.

Wein, K.

Die älteste einföhrungs- und einbürgerungsgeschichte der *Opuntia humifusa*, In Beiträge zur systematik und pflanzengeographie XI. Repert. Spec. Nov. Beih. 76: 111-148. 1934.

Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat, Portici (464.9P832)

Cristinzio, M.

Malattie delle piante da frutto nella Campania e nel Mezzogiorno. Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici. 3: 47-87. illus, pl.vi-vii (1 col.) 1934.

Cristinzio, M.

La necrosi del cuore dei tuberi di patata. Ricerche Osserv. e Divulg. Fitopat. Camp ed Mezzog. R. Osserv. Reg. Fitopat. Portici 3: 3-17. illus., pl.i-ii. 1934.

100

100

100

100

100

100

100

100

100

100

Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog. R. Osserv.  
Reg. Fitopat. Portici (cont.)

Trotter, A.

La degenerazione della patata e le malattie  
da virus. Ricerche Osserv. e Divulg. Fitopat.  
Camp. ed Mezzog. R. Osserv. Reg. Fitopat. Portici  
3:18-46. illus., pl.iii-v (1 col.) 1934.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Poznań)  
(20.5R59)

Dmochowski, J.

Zawartość tłuszczu w nasionach lnu i konopi w  
rozmaitych okresach dojrzewania i kiełkowania oraz  
w brzozie i lipie w rozmaitych fazach okresu zimowe-  
go. (Recherches sur la quantité d'huile dans les  
graines du lin et du chanvre pendant les différentes  
périodes de la maturation et de la germination ain-  
si que dans le bouleau et dans le tilleul pendant  
les différentes phases de l'hiver). Roczn. Nauk  
Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 32: 35-  
78, 1934. no.1.

French résumé: p.77-78.

Rothamsted Conf. (64R74)

Leiper, R. T. & Triffitt, M. J.

The eelworm problem. Rothamsted Conf. 16:  
18-24. 1934.

Pethybridge G. H.

Potato diseases. Rothamsted Conf. 16: 9-17.  
1934.

Salaman, R. H.

The raising of blight-resistant varieties and  
virus-free stocks. Rothamsted Conf. 16: 44-47.  
1934.

Science (470Sci2)

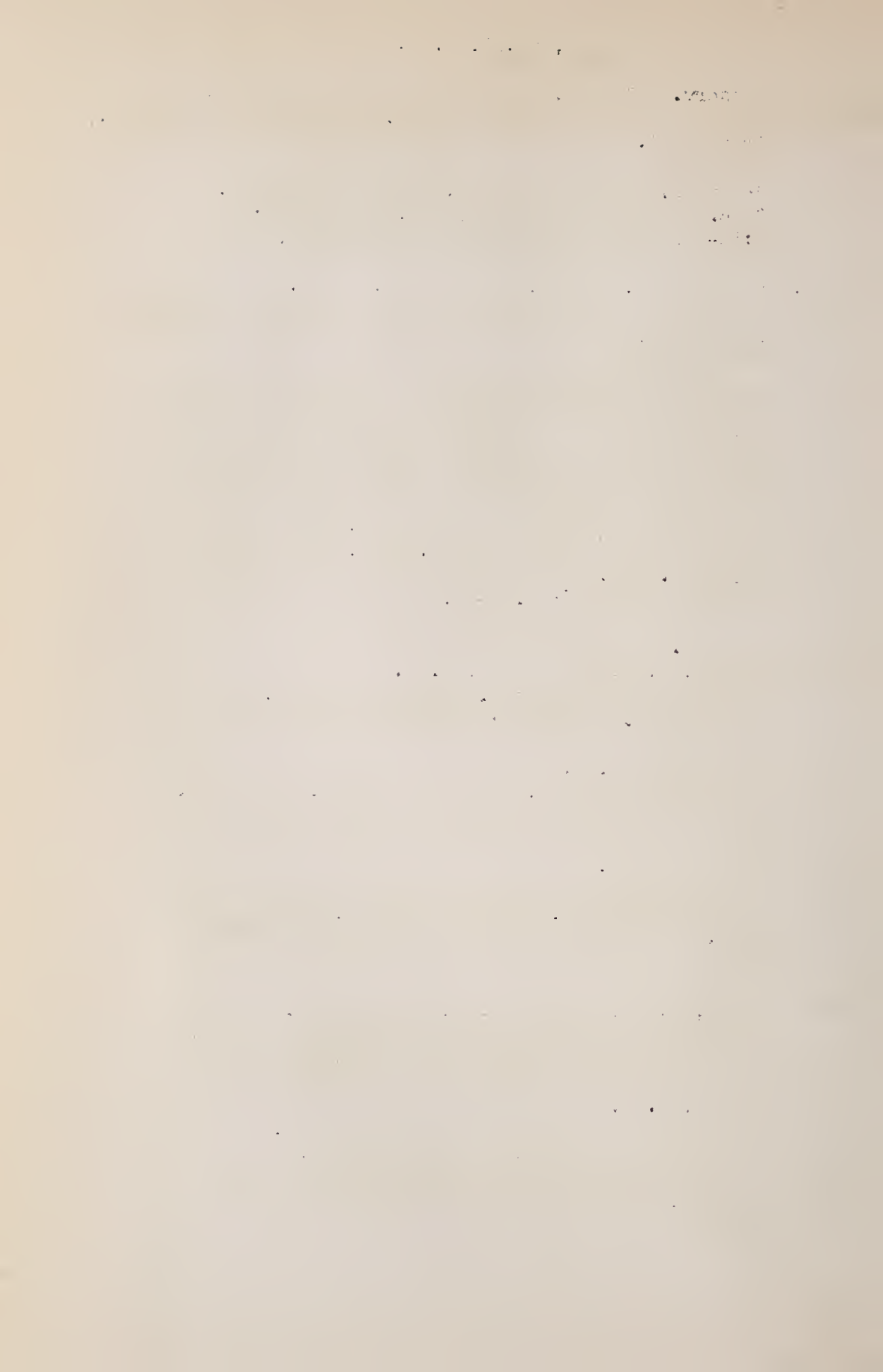
Spain, W. C., Newell, J. H. & Meeker, M.

Susceptibility to poison ivy and poison oak.  
Science 80: 104. Jl.27, 1934. no.2065.

Wherry, E. T.

A source of botanical misinformation.  
Science 80: 74. Jl. 20, 1934. no.2064.

Review of G.D. Aiken's Pioneering with wild  
flowers.



Science Progr. (London) (472Sci22)

Seward, A. C.

An extinct Malayan flora in England.

Science Progr. 29: 1-24. Jl.1934. no.113.

Observations on the London clay flora by  
Mrs. E.M. Reid and Miss M.E.J. Chandler.

Seed World (Chicago) (61.8Se52)

Waller, L. D.

Breeding rust-proof Antirrhinums. Seed

World 26(2):8-9. illus. Jl.20, 1934.

Svensk. Bot. Tidskr. (450Sv2)

Burstrom, H.

Ueber antagonistische erscheinungen bei der  
kationenaufnahme des hafers. Svensk Bot. Tidskr.

28: 157-263. Je.21, 1934. no.2.

Erdtman, G.

Sur la distribution actuelle du charme (*Carpinus*  
*betulus* L.) Svensk Bot. Tidskr. 28; 359-361.

illus. (map) Je.21, 1934. no.2.

Erdtman, G.

Ueber die verwendung von essigsäureanhydrid  
bei pollenuntersuchungen. Svensk Bot. Tidskr.

28: 354-358. Je.21, 1934. no.2.

Florin, R.

Die spaltöffnungsapparate von *Welwitschia*  
*mirabilis* Hook. F. Svensk Bot. Tidskr. 28:

264-289. illus. Je.21, 1934. no.2.

Grapengiesser, S.

Morrländska vegetationsbilder. Svensk. Bot.  
Tidskr. 28: 300-353. illus. Je.21, 1934. no.2.

Liljefors, A.

Ueber normale und apospore embryosackentwicklung  
in der gattung *Sorbus*, nebst einigen bemerkungen

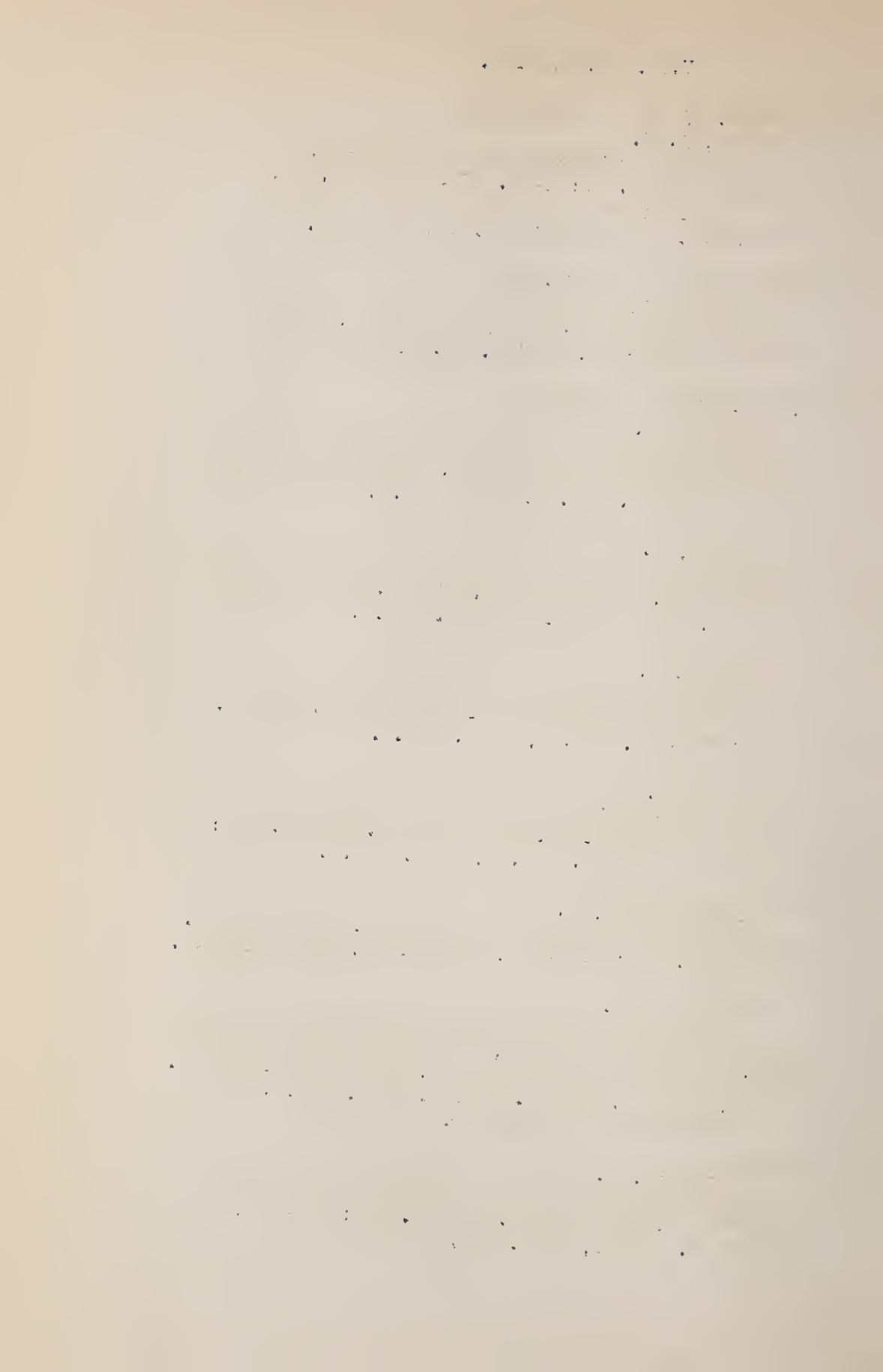
über die chromosomentzahlen. Svensk Bot. Tidskr.  
28: 290-299. illus. Je.21, 1934. no.2.

Vorläufige mitteilung.

Söderberg, E.

Groddknoppsbildning hos *Anthericum liliago* x  
*ramosum*. Svensk Bot. Tidskr. 28: 362-363.

illus. Je.21, 1934. no.2.



Svensk. Bot. Tidskr. (cont.)

Söderberg, E.

Ueber die chromosomenzahl von *Crepis scaposa*

R.E. Fr. Svensk Bot. Tidskr. 28: 361-362.

illus. Je.21, 1934. no.2.

Symbol. Bot. Upsal. (451Up72)

Junell, S.

Zur gynäceummorphologie und systematik der verbenaceen und labiaten nebst bemerkungen über ihre samenentwicklung. Symbol. Bot. Upsal.

no.4. 219 p. illus., viii pl. 1934.

Mannfeldt, J. A.

*Poa rigens* Hartm. versus *Poa arctica* R.Br.

Symbol. Bot. Upsal. No.3. 21p. illus., ii pl. 1934.

*P. rigens* not identical with *P. arctica* but belongs to *P. pratensis*.

Thar. Forstl. Jahrb. (Berlin) (99.8T32)

Schmithüsen, J.

Vegetationskundliche studien im niederwald des linksrheinischen schiefergebirges. Thar. Forstl. Jahrb. 85: 197-217, 225-264. illus., map. 1934.

no.4,5.

Torreyia (450T63)

Torrey, R. H.

Cladoniae of the North Woods. Torreyia 34: 57-

74. 3 pl. My./Je. 1934. no.3.

Trans. Highl. & Agr. Soc. Scotl. (10H536)

O'Brien, D. G. & Dennis, R. W. G.

The dry disinfection of oat seed. Trans.

Highl. & Agr. Soc. Scotl. V,46: 91-112. Illus., col.pl. 1934.

Robb, W.

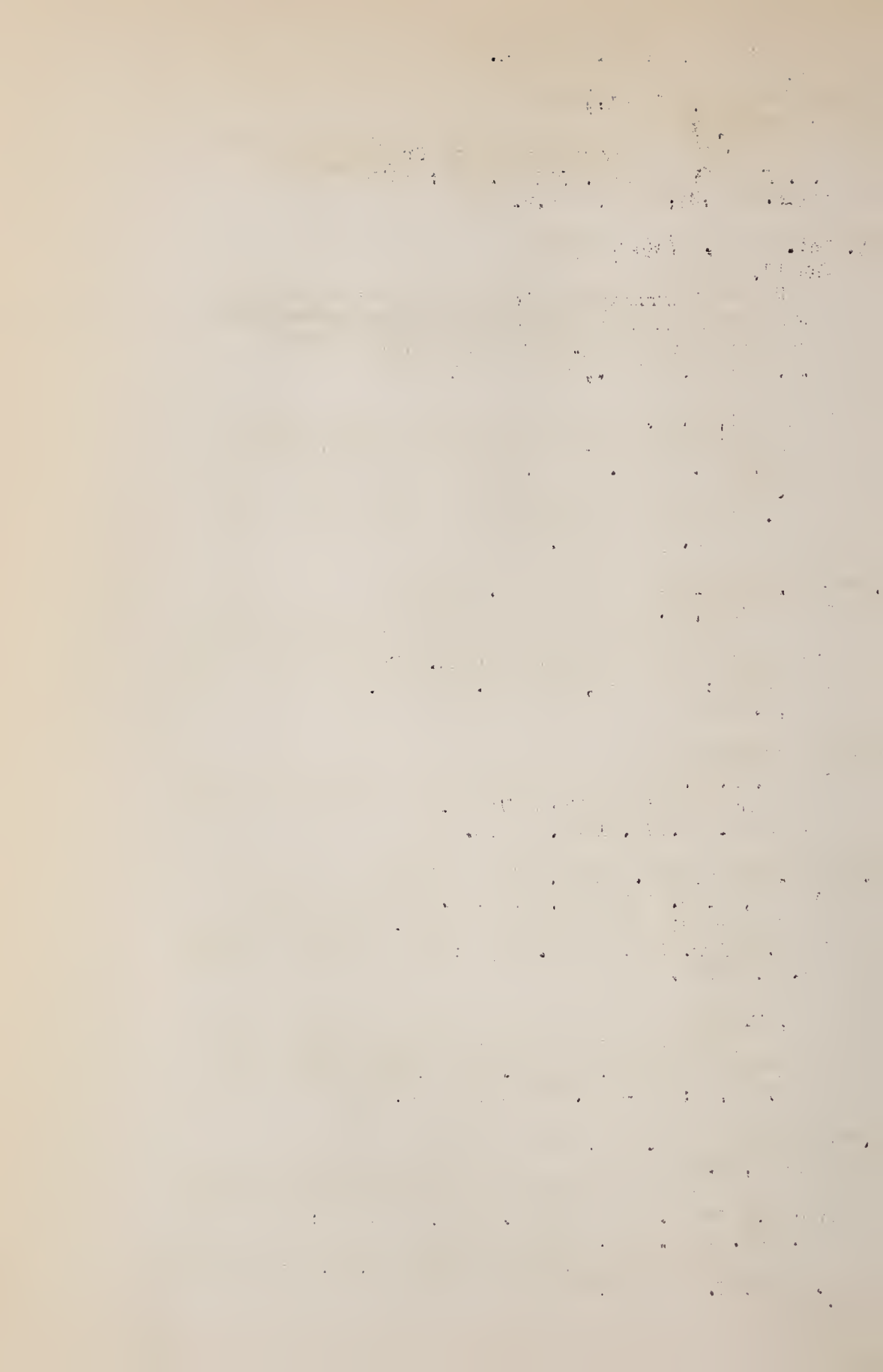
Experimental oat and potato breeding, Some recent developments. Trans. Highl. & Agr. Soc. Scotl. V,46: 126-145. illus. 1934.

Trans. Sapporo Nat Hist. Soc. (410Sa6)

Enomoto, S.

On the rest period and its shortening in smut spores. Trans. Sapporo Nat. Hist. Soc. 13: 167-172. Je. 1934. no.3.

Preliminary report. *Ustilago hordei*, *U. tritici*, *U. nuda*, *U. grandis*.



Trans. Sapporo Nat. Hist. Soc. (cont.)

Fujita, K. & Miura, O.

On the parasitism of *Heterodera schachtii*  
Schmidt on beans. Trans. Sapporo Nat. Hist.  
Soc. 13: 359-364. Je. 1934. no.3.

Fukushi, T.

Plants susceptible to dwarf disease of rice  
plant. Trans. Sapporo Nat. Hist. Soc. 13: 162-  
166. Je. 1934. No.3.

Hiratsuka, N.

On some new species of *Phragmidium*. Trans.  
Sapporo Nat. Hist. Soc. 13: 134-138. Je. 1934.  
no.3.

*P. itoanum*, *P. brevipedicellatum*, *P. arisanense*,  
*P. rubi-oldhami*, n.spp.

Hiura, M. & Kanegae, H.

Studies on the downy mildews of cruciferous  
vegetables in Japan. I. Trans. Sapporo Nat. Hist.  
Soc. 13: 125-133. Je. 1934. no.3.

Homma, Y.

A life-cycle of *Sphaerotheca fuliginea*  
(Schlecht.) Pollacci parasitic on *Taraxacum*  
*ceratophorum* DC. Trans. Sapporo Nat. Hist.  
Soc. 13: 173-178, pl. 6. Je.1934. no.3.

Hotta, T.

Morphological and systematic studies on female  
flowers of mulberry trees. Trans. Sapporo Nat.  
Hist. Soc. 13: 246-255. Je. 1934. no.3.

Imai, S.

Studies on the Geoglossaceae of Japan. Trans.  
Sapporo Nat. Hist. Soc. 13: 179-184. pl.vii.  
Je. 1934. no.3.

Imai, Y.

Studies on the transmission of broad bean  
mosaic. Trans. Sapporo Nat. Hist. Soc. 13: 241-  
245. Je. 1934. no.3.

Transmitted by 3 species of aphid, *Aphis*  
*laburni*, *Acyrtosiphon pisi*, *Rhopalosiphum persicae*.

Ishiyama, T.

On some species of *Septoria* collected in  
southern Saghalien. Trans. Sapporo Nat. Hist.  
Soc. 13: 218-222. illus. Je. 1934. no.3.

*S. picridis*, *S. gentianicola*, n.spp.



Trans. Sapporo Nat. Hist. Soc. (cont.)

Iwadare, S.

Studies on *Epicoccum oryzae* Ito et Iwadare, n.sp. Trans. Sapporo Nat. Hist. Soc. 13: 210-217. illus. Je. 1934. no.3.

Kamei, S.

Identification of a peridermal stage on the seedlings of *Abies mayriana* and the injury caused thereby. Trans. Sapporo Nat. Hist. Soc. 13: 153-161. illus. Je. 1934. no.3.

*Uredinopsis hirosakiensis*.

Matsumoto, T.

Some remarks on the taxonomy of the fungus *Hypochnus sasakii* Shirai. Trans. Sapporo Nat. Hist. Soc. 13: 115-120. illus. Je. 1934. no.3.

*Hypochnus sasakii* should be named *Corticium sasakii*.

Miyabe, K. & Tatewaki, M.

Contributions to the flora of northern Japan. III. Trans. Sapporo Nat. Hist. Soc. 13: 106-111. Je. 1934. no.3.

Miyabe, K & Nagai, M.

Note on a new form of *Laminaria japonica* Aresch. Trans. Sapporo Nat. Hist. Soc. 13: 112-114. illus. Je. 1934. no.3.

Forma membranacea.

Miyabe K, & Tatewaki, M.

On *Aconitum ito-seiyanum*, sp.nov. Trans. Sapporo Nat. Hist. Soc. 13: 105-106. illus. Je. 1934. no.3.

Sakamoto, M.

Catenulate conidia formation in *Ophiobolus miyabeanus* Ito et Kuribayashi. Trans. Sapporo Nat. Hist. Soc. 13: 237-240. illus., pl.ix. Je. 1934. no.3.

Sawada, K.

A physical consideration of the mechanism of the cracking of sweet cherries. Trans. Sapporo Nat. Hist. Soc. 13: 365-376. illus. Je. 1934. no.3.

Shimada, S.

Conidia formation in *Trichoderma narcissi* Tochinai et Shimada. Trans. Sapporo Nat. Hist. Soc. 13: 223-224. illus. Je. 1934. no.3.



Trans. Sapporo Nat. Hist. Soc. (cont.)

Stow, I.

On the triploid Japanese lily of the valley found in the wild of Hokkaido. Trans. Sapporo Nat. Hist. Soc. 13: 191-195. illus. 1934. no.3.

Tagawa, T.

A brief note on the action of the top of a plant upon the absorption of water by the root. Trans. Sapporo Nat. Hist. Soc. 13: 233-236. Je. 1934. no.3.

Takasugi, H.

Additional list of the fungi of Manchukuo. Trans. Sapporo Nat. Hist. Soc. 13: 185-190. Je. 1934. no.3.

Tanaka, I.

Eine neue art des falschen mehltaupilzes auf dem buchweizen. Trans. Sapporo Nat. Hist. Soc. 13: 203-206. illus. Je. 1934. no.3.  
*Peronospora fagopyri*.

Terui, M.

On the occurrence of the wilt disease of sesame in Japan. Trans. Sapporo Nat. Hist. Soc. 13: 225-226. Je. 1934. no.3.

Tochinai, Y & Ishizuka, K.

The after effect of the fungus filtrate of *Gibberella fujikuroi* on rice plants. Trans. Sapporo Nat. Hist. Soc. 13: 148-152. illus. Je. 1934. no.3.

Tochinai, Y. & Yamagiwa, S.

Note on some new species of fungi collected in Mt. Taisetsu. Trans. Sapporo Nat. Hist. Soc. 13: 144-148. illus. Je. 1934. no.3.

*Meliola vaccinii*, *Didymosphaeria atropunctata*, *Gnomonia polyasca*, *Bagnisiopsis coptidis*, n.spp.

Togashi, K. & Oda, K.

Spore-size variability in subsequent spore prints of some hymenomycetous fungi. Trans. Sapporo Nat. Hist. Soc. 13: 121-125. Je. 1934. no.3.

Tokida, J.

Phycological observations. I. Trans. Sapporo Nat. Hist. Soc. 13: 196-202. illus., pl.viii. Je. 1934. no.3.

*Rhododermis geogrii* var. *fucicola*, *Polycoryne denticulata*.



Trans. Sapporo Nat. Hist. Soc. (cont.)

Tokunaga, Y.

Notes on the Lagenidiaceae in Japan. Trans.  
Sapporo Nat. Hist. Soc. 13: 227-232. illus.  
Je. 1934. no.3.

Yamaguchi, S.

On the resorption of urea by the root system  
of the higher plants. Trans. Sapporo Nat. Hist.  
Soc. 13: 207-209. Je.1934. no.3.

Yamamoto, W.

Cercospora from Formosa. I- Trans. Sapporo  
Nat. Hist. Soc. 13: 139-143. illus. Je. 1934.  
no.3.

Trop. Natuur. (410.9T75)

Steenis, C. G. G. J. van

Het moerasboschje bij Tjitjadas, Res. Batavia.  
Trop. Natuur. 23: 105-109. illus. Je.1934. no.6.

U. S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Cash, E. K.

Alaskan fungi. U.S. Dept. Agr. Plant Dis.  
Rep. 18: 74-88. Jl.1,1934. no.7.

Miller, J. H.

Diseases of the Austrian winter pea in northern  
Georgia. U.S. Dept. Agr. Plant Dis. Rep. 18: 95-  
96. Jl.1, 1934. no.7.

*Pisum arvense*.

Sprague, R.

Rust diseases of grain crops in Oregon in 1933-  
34. U.S. Dept. Agr. Plant Dis. Rep. 18: 89.  
Jl.1, 1934. no.7.

Vic. Nat. (Melbourne) (410V66)

Additions and alterations to a census of the  
plants of Victoria. Vict. Nat. 51: 44. Je. 1934.  
No.2.

Zeitschr. Indukt. Abstamm. u. Vererbungslehre. (Leipzig) (442.8Z34)

Bohn, W.

Einige untersuchungen über die tetraden-  
aufspaltung bei den basidiomyceten. Zeitschr.  
Indukt. Abstamm. u. Vererbungslehre. 67: 435-445.  
1934. no.3/4.



Zeitschr. Indukt. Abstamm. u. Vererbungsl. (cont.)

Hobusch, L.

Untersuchungen über die kreuzungsschwierigkeiten bei den bastarden zwischen *Linum austriacum* und *Linum perenne* und deren nachfolgegenerationen.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. 67: 389-434. illus. 1934. no.3/4.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Havelik, K.

Das absterben der bäume, hauptsächlich der weisstannen (*Abies pectinata*) und rotbuchen (*Fagus silvatica*) nach frösten.

Zeitschr. Pflanzenkr. 44: 355-362. illus. J1.1934. no.7.

Steiner, H.

Ein beitrage zur frage der getreiderostbekämpfung auf kulturellem wege.

Zeitschr. Pflanzenkr. 44: 348-354. J1. 1934. no.7.

Zeitschr. Wiss Mikros. (Leipzig) (440.8Z3)

Frey-Wyssling, A.

Ueber verschiebungsfiguren zelluloser zellwände.

Zeitschr. Wiss. Mikros. 51: 29-36.

illus. Je. 1934. no.1.

Guilliermond, A.

Sur la nature du vacuome.

Zeitschr. Wiss. Mikros. 51: 203-212. Je. 1934. no.1.

Höfler, K.

Kappenplasmolyse und salzpermeabilität.

Zeitschr. Wiss. Mikros. 51; 70-87. illus. Je. 1934. no.1.

Jungers, V.

A propos de bonne fixation et d'un bon fixateur.

Zeitschr. Wiss. Mikros. 51: 48-50. Je. 1934. no.1.

Martens, P.

Etude experimentale des sporocytes de *Tradescantia* II. Action du "suc" de la plante sur les cellules vivantes.

Zeitschr. Wiss. Mikros. 51: 88-102.

illus. Je. 1934. no.1.



Zeitschr. Wiss. Mikros. (cont.)

Schmelzer, W.

Bemerkungen zur anwendung saurer karminlösungen auf pflanzliche gewebe. Zeitschr. Wiss. Mikros. 51: 66-67. Je. 1934. no.1.

Schmidt, W. J.

Ueber eigentümliche veränderungen von zellulosefäden in Kanadabalsampräparaten. Zeitschr. Wiss. Mikros. 51: 2-11. illus., pl.i. Je. 1934. no.1.

In seeds of *Cobaea scandens*.

Zeitschr. Zellforsch. & Mikrosk. Anat. (Berlin) (442.8Z33B)

Breslawetz, L.P., Medwedewa, G.B., Afanasjewa, A. C. & Kostromina, A.

Die vergrößerung der zelle und des zellkerns unter einwirkung von chemikalien. Zeitschr. Zellforsch. & Mikrosk. Anat. 21: 279-293. Je. 23, 1934. no.2.

McClintock, B.

The relation of a particular chromosomal element to the development of the nucleoli in *Zea mays*. Zeitschr. Zellforsch. & Mikrosk. Anat. 21: 294-328. illus., pl.viii-xiv. Je.23, 1934. no.2.

Zentralbl. Bakt. Abt.II. (Jena) (448.3C33)

Hermann, S. & Neiger, R.

Untersuchungen über die fungizide wirkung von salicylsäure und salicylsaureverbindungen auf *Tilletia tritici*. Zentralbl. Bakt. Abt.II, 90: 258-267. Jl.2, 1934. no.9/13.

Potter, M. C.

Soil micro-organisms; their influence upon the potential difference between the plant and the soil. Zentralbl. Bakt. Abt.II. 90: 255-258. illus. Jl.2, 1934. no.9/13.

Reimesch, E.

Die bedeutung der hefeverteilung im nährmedium für den gärungsverlauf. Zentralbl. Bakt. Abt. II, 90: 218-225. Jl.2, 1934. no.9/13.

Der Züchter (Berlin) (442.8Z8)

Emme, H.

Vererbung von anheftungstypen der blüten und einiger anderer merkmale beim hafer. (concl.) Der Züchter 6: 137-140. Je. 1934. no.6.



Der. Züchter (cont.)

Lindenbein, W.

Cytologische untersuchungen am markstammkohl.

Der. Züchter 6: 129-136. illus. Je. 1934. no.6.

Rudloff, C. F.

Die befruchtungsverhältnisse bei unseren  
obstsorten. II. Pflaumen. Der Züchter 6: 121-  
129. Je. 1934. no.6.

Sammelreferat.

Ternovsky, M. F.

Die fragen der immunität bei vertretern der  
gattung Nicotiana. Der Züchter 6: 140-144.  
Je. 1934. no.6.

Exp. Stat. Publ.

Indiana agricultural experiment station.

[Report of] Dept. of botany. In its Rep.46  
(1932/33): 18-21. 1933 (100In2P)

Iowa agricultural experiment station.

Botany and plant pathology section. In its  
Rep. 1932-33: 44-58. illus. [1933?] (100Io9)  
I.E. Melhus chief.

Swanson, A. F. & Laude, H. H.

Varieties of sorghum in Kansas. Kansas  
Agr. Exp. Stat. Bull. 266. 51 p. illus.  
Ap. 1934. (100K13S)

Hutchins, A. E.

Morphological relationships in the ontogeny  
of the cultivated cucumber, Cucumis sativus L.  
Minnesota Agr. Exp. Stat. Techn. Bull. 96. 35 p.  
illus. Ap. 1934. (100M66)

Gershoy, A.

Studies in North American violats. III.  
Chromosome numbers and species characters.  
Vermont Agr. Exp. Stat. Bull. 367. 92 p.  
27 pl. Mr. 1934. (100V59)

New Books.

Bailey, L. H.

Gardener's handbook, successor to The gardener.  
N.Y., Macmillan, 1934 (90.02B15G)



New Books (cont.)

Bitancourt, A.

A podridão de pé das laranjeiras. [São Paulo] 1933 (464.063a6)

Phytophthora citrophthora & P. parasitica.

Canada. Dept. of Agriculture - Experimental farms branch

Annual report of the Canadian plant disease survey 13th, 1933. 128 p. 1934 (464.9016S)

Mimeographed. compiled by I.L. Connors.

Coker, W. C. & Totten, H. R.

Trees of the southern states.

Chapel Hill, University of North Carolina press, 1934. (455.5066)

Holman, R. M. & Robbins, W. W.

A textbook of general botany for colleges and universities. 3d ed. N.Y., J. Wiley & Sons, 1934(463H73)

Laurie, A. & Chadwick, L. G.

Commercial flower forcing. Phila. Blakiston's son & Co., 1934. (90.13L37)

Diagnosing greenhouse ills: p.209-289.

Millardet, P. M. A.

The discovery of Bordeaux mixture....A translation by F.J. Schneiderhan.... Ithaca, American phytopathological society, 1933(Phytopathological classics, no.3.) (464.05M61D)

Transl. of 3 papers Traitement du mildiou et du rot (Jour. Agr. Prat, 2: 513-517. 1885); Traitement du mildiou par le mélange de sulphate de cuivre et du chaux (l.c.2; 707-710. 1885); Sur l'Histoire du traitement du mildiou... (l.c.2; 801-805. 1885)

Saunders, C. F.

Useful wild plants of the United States and Canada. Rev. ed. N.Y., R.M. McBride, 1934 (452.8Sa81)

Steedman, E. C.

A description of trees, shrubs, and lianes of Southern Rhodesia. Bulawayo, The author, 1933. (460.46St3)



Reprints from publications not yet rec'd or not available.

Atanasoff, D.

Bitter pit of pome fruits is a virus disease.

Preprint from Godishn. Sofiisk, Univ. V, Agron Fac.

(Annuaire Univ. Sofia, V. Fac. Agron.) 13: 1-8.

illus. 1934.

Correction.

v.16, no.14, p.25.

under Philipp. Agr.

author's name should be Juliano.

Filed out of place.

Acta Phytotaxon. & Geobot. Kyoto.

Tagawa, M.

*Spicilegium pteridographiae Asiae orientalis.*

6. Acta Phytotaxon. & Geobot. Kyoto. 3: 28-37.

My.1934. no.1.



# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY

RECEIVED

★ AUG 27 1934 ★  
U. S. Department of Agriculture

Vol. 16, no. 16.

July 30-Aug. 11, 1934.

Amer. Forests (Washington) (99.8F762)

Strausbaugh, P. D.

Cranberry glades. Amer. Forests 40: 362-364,  
382-383. illus. Ag. 1934. no. 8.

Near western border of Pocahontas County, W. Va.  
Recently included in the Monogahela national forests.

Amer. Midl. Nat. (Notre Dame, Ind.) (410M58)

Geise, J.

The Indiana species of *Cyperus*. Amer. Midl.  
Nat. 15: 241-291. illus. My. 1934. no. 3.

Giersch, C.

The anatomy of *Ranunculus asiaticus* L. var.  
*superbissimus* (Hort.) Amer. Midl. Nat. 15:  
343-357. illus., pl. vii-xi. My. 1934. no. 3.

Hebert, P. E.

Ferns and flowering plants of Berrien County,  
Michigan. Amer. Midl. Nat. 15: 323-342. My.  
1934. no. 3.

Hoskins, J. H.

*Psaronius illinoensis*. Amer. Midl. Nat. 15:  
358-362. illus. My. 1934. no. 3.

McDonald, E. S.

The ferns and the flowering plants of Saint  
Joseph County, Indiana. Amer. Midl. Nat. 15:  
203-240. illus. (maps) My. 1934. no. 3.

Thornton, L.

The Indiana species of *Scirpus*. Amer. Midl.  
Nat. 15: 292-322. illus. My. 1934. no. 3.



Amer. Orchid Soc. Bull. (80Am329)

Lumsden, D.

Rare and beautiful species of orchids.

Amer. Orchid Soc. Bull. 3: 3. illus. Je. 1934.  
no.1.

*Cattleya warscewiczii* var. *firmin lambeau*  
(the white *Cattleya gigas*).

Warne, R. E.

Orchid culture in the Philippines. Climate  
of the Philippines and its relation to orchids.  
(cont.) Amer. Orchid Soc. Bull. 3: 7-15.  
illus. Je.1934. no.1.

Wherry, E. T.

Native orchids. Our eastern orchids and their  
cultivation. 6. The crested orchids. Amer. Orchid  
Soc. Bull. 3: 4-6. illus. Je. 1934. no.1.

Amer. Potato Journ. (75.8P842)

Rathlef, H. v.

The flesh color of the potato. Amer. Potato  
Journ. 11: 180-184. Jl. 1934. no.7.

Angew. Bot. (Berlin) (450An4)

Klemm, M.

Beitrag zur kenntnis von pflanzenbau und  
pflanzenschutz in der Burjato-Mongolei. Angew.  
Bot. 16: 259-298. illus. My./Je. 1934. no.3.

Pape, H. & Rademacher, B.

Erfahrungen über befall und schaden durch den  
getreidemehltau (*Erysiphe graminis* D.C.) bei  
gleichzeitigem anbau von winter- und sommergerste.  
Angew. Bot. 16: 225-250. illus. My./Je. 1934. no.3.

Bemerkungen zur der abhandlung von A. Wieler:  
"Rauchsäuren als bodenzerstörender faktor".  
Angew. Bot. 16: 250-259. My./Je. 1934. no.3.

Ann. Mycol. (Berlin) (450An76)

Boedijn, K. B.

Ueber die neue gattung *Trigonia* van Beyma  
thoe Kingma. Ann. Mycol. 32: 302. 1934. no.3/4.  
*Triangularia boedijn* nov.nom.

Gäumann, E.

Mykologische notizen. Ann. Mycol. 32: 300-  
301. 1934. no.3/4.

*Puccinia bulbocastani*, *P. arrhenatheri*.



Ann. Mycol. (cont.)

Lohwag, H.

Zu Lycoperdellon. Ann. Mycol. 32: 244-255.  
illus. 1934. no.3/4.

Probably an imperfect stage of an ascomycete.

Mains, E. B.

The status of the genus Schroeteriaster.  
Ann. Mycol. 32: 256-259. pl.v. 1934. no.3/4.

Questions whether *S. alpinus* should be separated from *Uromyces*; the other species of *Schroeteriaster* "should be placed in the genus *Bubakia*, if the latter is to be kept separate from *Phakopsora*".

Schaeffer, J.

*Russula*-monographie. Ann. Mycol. 32: 141-243. col.pl. i-iv. 1934. no.3/4.

Schopfer, W. H.

Recherches sur la biométrie des spores d'une mucorinée en rapport avec le sexe. Ann. Mycol. 32: 260-271. 1934. no.3/4.

*Phycomyces blakesleeanus*.

Sydow, H.

*Mycotheca germanica* Fasc. LIII-LVI (no.2601-2800). Ann. Mycol. 32: 272-285. 1934. no.3/4.

Sydow, H.

Novae fungorum species. XXII. Ann. Mycol. 32: 286-299. 1934. no.3/4.

Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. (Newton Abbott) (103Sel)

Beaumont, A.

Control of finger and toe by liming. Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 10(1932/33, its Pamph. 42): 37. Ap. 1934.

Beaumont, A.

Fungal diseases of Devon and Cornwall. Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 10(1932/33, its Pamph.42): 38-39. Ap. 1934.

Beaumont, A.

Notes on fungal diseases during the year. Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 10(1932/33, its Pamph.42): 29-33. Ap.1934.



v.18, no.18, p.4.  
Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. (cont.)

Beaumont, A.

Potato blight and the weather. Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 10(1932/33, its Pamph. 42): 34-36. Ap. 1934.

Staniland, L. N.

The spread of potato eelworm in consignments of seed potatoes. Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 10(1932/33, its Pamph.42): 5-6. Ap. 1934.

Staniland, L. N.

Violet eelworm (*Aphelenchoides olesistus*). Ann. Rep. Dept. Plant Path. Seale-Hayne Agr. Coll. 10(1932/33, its Pamph.42): 8-11. illus. Ap.1934.

Ann. Rep. Maine Pomol. Soc. (81M28)

Folsom, D.

Report from plant pathology department of the Maine agricultural experiment station to the Maine state pomological society at Portland meeting, November 22, 1933. Ann. Rep. Maine Pomol. Soc. 1932: 83-86. [1933]

Steinmetz, F. H.

Apple rusts found in Maine orchards. Ann. Rep. Maine Pomol. Soc. 1932: 62-64. [1933]

Arb. Biol. Reichsanst. Land- u. Forstw. Berlin. (410.9G31)

Böhme, R. W.

Das vorkommen von virosen auf dem Dahlemer versuchsfelde. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 21: 1-58. illus. 1934. no.1.

Gassner, G. & Straib, W.

Untersuchungen über das auftreten biologischer rassen des weizengelbröstes im jahre 1932. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 21: 59-72. 1934. no.1.

Gassner, G. & Straib, W.

Weitere untersuchungen über biologische rassen und über die spezialisierungsverhältnisse des gelbröstes *Puccinia glumarum* (Schm., Erikss. und Henn.). Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 21: 121-145. 1934. no.1.

Goffart, H.

Ueber die biologie und bekämpfung des kartoffel-nematoden (*Heterodera schachtii* Schmidt). Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 21: 73-108. pl.i-ii. 1934. no.1.



Arb. Biol. Reichsanst. Land- u. Forstw. Berlin (cont.)

Ronsdorf, L.

Einige versuche über biologische rassen des gerstenzwergrostes. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 21: 109-114. 1934. no.1.

Stroede, W.

Untersuchungen über die geographische verbreitung der physiologischen formen des weizenbraunrostes, *Puccinia triticina* Erikss. in Deutschland. Arb. Biol. Reichsanst. Land- u. Forstw. Berlin 21: 115-120. 1934. no.1.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Boas, F.

Tatsachen und gedanken zu einer dynamischen botanik. Ber. Deut. Bot. Ges. 52: 272-282. Je.28, 1934. no.5.

Czaja, A. T.

Der nachweis des wuchsstoffes bei holzpflanzen. Ber. Deut. Bot. Ges. 52: 267-271. Je.28, 1934. no.5.

Schmucker, T.

Zur verbreitung und ökologie von *Allium ursinum*. Ber. Deut. Bot. Ges. 52: 259-266. illus. Je.28, 1934. no.5.

Weisse, A.

Morphologische untersuchungen an einigen vitaceensämligen. Ber. Deut. Bot. Ges. 52:242-259. Je.28, 1934. no.5.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Orechhoff, A. & Konowalowa, R.

Ueber die alkaloiden von *Convolvulus pseudo-cantabricus*. II. Ber. Deut. Chem. Ges. 67: 1153-1156. J1.4, 1934.

Der Biologe (München) (442.8B527)

Schreiber, E.

Forschungen an meeresalgen. Der Biologe 3: 177-178. J1.1934. no.7.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. (442.9C14)

Garrett, S. D.

Factors affecting the pathogenicity of cereal foot-rot fungi. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 9: 351-361. J1. 1934. no.3.



Blumen u. Pflanzenb. Vereinigt Gartenw. (Berlin) (80G196)  
Encke, F.

Alpenpflanzen in fensterkästen. Blumen u.  
Pflanzenb. Vereinigt Gartenw. 38: 373-374. J1.20,  
1934. no.29.

Pape, H.

Die botrytiskrankheit der lilien. Blumen  
u. Pflanzenb. Vereinigt Gartenw. 38: 363. illus.  
J1.13, 1934. no.28.

Bol. Min. Agr. Brazil (Rio de Janeiro) (9.2Ag83)

Ducke, A.

Colheita de material botânico na região  
Amazonica. Bol. Min. Agr. Brazil 23: 71-79.  
Ja./Mr.1934. no.1/3.

Filho, H. M. & Sampaio, A. J. de

Contribuição botânica ao estudo da juta.

Bol. Min. Agr. Brazil 23: 61-64. Ja./Mr. 1934. no.1/3.

Boll. Sez. Ital. Soc. Intern. Microbiol. (Milano) (448.3Sol)

Castellani, E.

Recherches morphologiques et systématiques  
sur quelques rhizoctones. Boll. Sez. Ital.  
Soc. Intern. Microbiol. 6: 119-121. Ap. 1934. no.4.

Castellani, E.

Recherches préliminaires sur le biologie de  
quelques rhizoctones. Boll. Sez. Ital. Soc.  
Intern. Microbiol. 6: 117-119. Ap.1934. no.4.

Bot. Mag. Tokyo (450B651)

Emoto, Y.

Die myxomyceten Japans. II-III. Bot. Mag. Tokyo  
48: 342-353, 408-417. illus. My., Je. 1934. no.569.  
570.

Japanese. with brief German résumé.

Fukuyama, N.

Studia orchidacearum japonicarum. I. Orchidaceae  
formosanae novae atque citicae. Bot. Mag. Tokyo  
48: 297-308. illus. My.1934. no.569.

Hiratsuka, N.

Physiological studies on *Uromyces fabae*, f.sp.  
*viciae-fabae*. Bot. Mag. Tokyo 48: 309-325.  
illus. My. 1934. no.569.



Bot. Mag. Tokyo (cont.)

Honda, M.

Nuntia ad floram Japoniae. XXII. Bot. Mag.  
Tokyo 48: 406-407. Je. 1934. no.570.  
*Rubia isensis*, *Euphorbia tsukamotoi* n.spp.

Ichikawa, C.

Chemical studies on the gnarl of some trees.  
Bot. Mag. Tokyo 48: 354-357. My. 1934. no.569.  
Japanese.

Kanehira, R.

New or noteworthy trees from Micronesia. VI.  
Bot. Mag. Tokyo 48: 400-405. illus. Je.1934. no.570.

Miki, S.

On fresh water plants new to Japan. Bot. Mag.  
Tokyo 48: 326-337. illus., pl. My.1934. no.569.  
*Vallisneria asiatica*, *Nuphar oguraensis*, *Myrio-*  
*phyllum oguraense* n.spp.

Ohki, K.

Additional note to the systematic importance  
of spodograms in the leaves of *Bambusaceae*. I.  
Bot. Mag. Tokyo 48: 338-341. illus. My.1934. no.569.  
Japanese with English résumé: p.340-341.

Sakurai, K.

Beobachtungen über Japanische moosflora. VI.  
Bot. Mag. Tokyo 48: 383-399. Je. 1934. no.570.

Bot. Mus. Leafl. Harvard Univ. (451H262)

Ames, O.

*Epidendrum cystosum*, a new species from the  
Republic of Honduras. Bot. Mus. Leafl. Harvard  
Univ. 2: 105-111. illus. Jl.31, 1934. no.9.

Brooklyn Bot. Gard. Rec. (451B79R)

Graves, A. H.

Report on winter injury to the woody plants  
in the Brooklyn botanic garden, 1933-1934.  
Brooklyn Bot. Gard. Rec. 23: 171-209. Jl.1934.  
no.3.

Bull. Amer. Iris Soc. (81Am39)

Essig, H. O.

Twelve years of intensive iris breeding in  
California - methods and records. Bull. Amer.  
Iris Soc. 52: 3-30. illus. Jl. 1934.



Bull. Amer. Iris Soc. (cont.)

Mitchell, S. B.

The breeding of yellow irises. Bull. Amer. Iris Soc. 52: 67-71. illus. Jl. 1934.

Randolph, L. F.

Chromosome numbers in native American and introduced species and cultivated varieties of iris. Bull. Amer. Iris Soc. 52: 61-66. Jl. 1934.

Bull. R. Soc. Tosc.ortic. (Firenze) (86R22)

Traverso, O.

Graphium ulmi la moria degli olmi. Bull. R. Soc. Tosc.ortic. 19: 78-80. illus. My./Je. 1934. no.5/6.

Bull. Soc. Centr. For. Belgique (99.9B83)

Marc, B.

L'oidium du chene. Bull. Soc. Centr. For. Belgique 1934: 270-283. Jl.1934. no.7.

Bull. Techn. & Sci. Serv. Min. Agr. Egypt (24Eg93)

Fahmy, T.

Genetic basis of selection procedure with cotton wilt disease. Bull. Techn. & Sci. Serv. Min. Agr. Egypt 128. 35 p. 1934.

Fahmy, T.

The selection of wilt immune strains of long staple cotton (Sakha 4 gidid). Bull. Techn. & Sci. Serv. Min. Agr. Egypt 130. 25 p. 5 pl. diags. (part fold.) 1934.

Milad, Y.

Fruit growing on sandy soils. Bull. Techn. & Sci. Serv. Min. Agr. Egypt 132. 20 p. 6 pl. 1934.

Morris, G. P., El Dib, M. & Munir, A.

A record of wheat breeding 1921-1931. Bull. Techn. & Sci. Serv. Min. Agr. Egypt 127. 127 p. ix pl. 1933.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

California cacti. XIII. Opuntia parishii. Cactus & Succ. Journ. 6: 12-13. 8illus. Jl.1934. no.1.



Cactus & Succ. Journ. (cont.)

Gates, H. E.

New Neomammillarias from Mexico. Cactus & Succ. Journ. 6: 3-5. illus. Jl. 1934. no.1.

Smith, A.

What grows where. Cacti listed in accordance with their geographical origin. Compiled and copyrighted for Mrs. John D. Wright, Santa Barbara, Calif., 1933. (cont.) Cactus & Succ. Journ. 6: 15. Jl. 1934. no.1.

Tiegel, E.

Mammillaria crucigera Mart. Cactus & Succ. Journ. 6: 14-15. illus. Jl. 1934. no.1.

Walther, E.

Succulent illustrations. 8. Pedilanthus macrocarpus Bentham. Cactus & Succ. Journ. 6: 11. illus. Jl. 1934. no.1.

Woods, R. S.

On pronunciation of scientific names. Cactus & Succ. Journ. 6: 7-8. illus. Jl. 1934. no.1.

Canad. Flor. (Peterboro, Ont.) (80C163)

Tilford, P. E.

Stem canker disease of gardenia. Canad. Flor. 29: 232. Ag.7, 1934.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Dingwall, A., McKibbin, R. R. & Beans, H. T.

Studies on the distribution of molybdenum in biological material. I. A spectrographic study of the occurrence of molybdenum in plants grown in the Province of Quebec. Canad. Journ. Res. 11: 32-39. illus.pl. Jl. 1934. no.1.

Hildebrand, A. A.

Recent observations on strawberry root rot in the Niagara Peninsula. Canad. Journ. Res. 11: 18-31. illus.,pl. Jl. 1934. no.1.

Mounce, I., & Dichl, W. W.

Note on a new Ophiobolus on eelgrass. Canad. Journ. Res. 11: 31. Jl. 1934. no.1.

Ophalimus to be described in August issue.

Truscott, J. H. L.

Fungous root rots of the strawberry. Canad. Journ. Res. 11: 1-17. illus., iv pl. Jl. 1934. no.1.



Circ. Mysore Coffee Exp. Stat. (Bangalore) (68.29In220)  
Mysore coffee experiment station.

Report on the disease situation in coffee  
areas in 1933. Its Circ. 1. 8 p. 1934.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)  
Fron,

Sur la présence de *Fusarium* à la base des  
chaumes de blé lors de l'épiaison. Compt. Rend.  
Acad. Agr. France 20: 740-742. J1.4, 1934. no.22.

Compt. Rend. Acad. Sci. Paris (505P21)  
Chabrolin, C.

La germination des graines de *Thesium humile*  
exige l'intervention de champignons saprophytes.  
Compt. Rend. Acad. Sci. Paris 199: 225-226.  
J1.16, 1934. no.3.

Dauphiné, A.

Sur le mode de formation de la membrane pecto-  
cellulosique. Compt. Rend. Acad. Sci. Paris 199:  
307-309. J1.23, 1934. no.4.

Lepape, A. & Trannoy, R.

Influence du radium sur les rendements cultur-  
aux de quelques plantes. Compt. Rend. Acad.  
Sci. Paris 199: 316-318. J1.23, 1934. no.4.

Experiments with "orge, haricot, pavot, pomme  
de terre".

Martens, P.

Nouvelles observations sur la cuticle des  
épidermes floraux. Compt. Rend. Acad. Sci.  
Paris 199: 309-311. J1.23, 1934. no.4.

Experiments with *Lythrum salicaria*, *Epilobium*  
*spicatum*, *Viola tricolor*, *Pelargonium zonale*,  
*Tradescantia virginica* and others.

Vladesco, A.

Cultures expérimentales de fougères; formation  
de prothalles aposporiques. Compt. Rend. Acad.  
Sci. Paris 199: 220-222. J1.16, 1934. no.3.

Compt. Rend. Congr. Intern. Mais 1st, Pau. (59.9C767)  
Bensin, B.

Analyse agroécologique des sortes et des  
races du maïs (*Zea mays*) résistantes à la  
sécheresse. Compt. Rend. Congr. Intern. Mais  
1st Pau, 1930. 2: 33-47. Ap. 1934.



Compt. Rend. Congr. Intern. Mais 1st, Pau. (cont.)

Carles de Carbonnieres, F.

La première génération hybride du maïs.

Compt. Rend. Congr. Intern. Mais 1st, Pau, 1930

2: 7-15. Ap.1934.

Foex, E. & Dufrenoy, J.

Les maladies du maïs. Compt. Rend. Congr.

Intern. Mais 1st Pau, 1930 2: 79-159. illus.

Ap.1934.

Savulescu, T. & Rayss, T.

Une nouvelle maladie de maïs en Roumanie  
provoquée par *Nigrospora oryzae* (B. et Br.) Petch.

Compt. Rend. Congr. Intern. Mais 1st Pau, 1930 2:

161-166. Ap. 1934.

Compt. Rend. Labor. Carlsberg (390.9C19)

Ege, V.

Johannes Schmidt 1877-1933. Compt. Rend. Labor.

Carlsberg 20(1): I-IX. port. 1934.

Olsen, C.

The absorption of manganese by plants.

Compt. Rend. Labor. Carlsberg v.20, no.2. 34 p.

illus. 1934.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Guilliermond, A. & Obaton, F.

Sur l'action du pH du milieu dans la coloration  
vitale des cellules végétales. Compt. Rend. Soc.

Biol. Paris 116: 984-988. 1934. no.25.

Contr. Biol. Lab. Sci. Soc. China Bot. Ser. (442.9Sci2B)

Cheng, W. C.

An enumeration of vascular plants from Chekiang.

II. Contr. Biol. Lab. Sci. Soc. China Bot. Ser.

9: 58-91. illus. S. 1933. no.1.

Cheng, W.-C.

The studies of Chinese conifers. I. Contr.

Biol. Lab. Sci. Soc. China Bot. Ser. 9: 18-23. S.

1933. no.1.

Chien, S. S.

Notes on some species of *Lysimachia*. Contr.

Biol. Lab. Sci. Soc. China Bot. Ser. 9: 24-29.

S. 1933. no.1.



Contr. Biol. Lab. Sci. Soc. China Bot. Ser. (cont.)  
Ching, R. C.

On the nomenclature and systematic position  
of *Polypodium dryopteris* L. and related species.  
Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 9:  
30-43, illus. S.1933. no.1.

Fang, S.

On some species of *Scenedesmus* of Nanking.  
Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 9: 97-  
107. illus. S.1933. no.1.

P'ei, C.

Notes on *Anemone* from Szechuen. Contr. Biol.  
Lab. Sci. Soc. China Bot. Ser. 9: 1-7. illus.  
S.1933. no.1.

P'ei, C.

The vascular plants of Nanking. III. Contr.  
Biol. Lab. Sci. Soc. China Bot. Ser. 9: 44-57.  
S.1933. no.1.

Wang, C. C.

A brief account of the occurrence of the  
*Myxophyceae* of Nanking. Contr. Biol. Lab. Sci.  
Soc. China Bot. Ser. 9: 8-17. S.1933. no.1.

Wang, C. C.

Three new species of *Myxophyceae* of Nanking.  
Contr. Biol. Lab. Sci. Soc. China Bot. Ser. 9: 92-  
96. illus. S.1933. no.1.

*Arthrospira pellucidis*, *A. brevis*, *Cylindro-  
spermum puniceum* n.spp.

Contr. Gray Herb. (Boston)

Robinson, B. L.

*Mikania scandens* and its near relatives.  
Contr. Gray Herb. 104:55-71. 1934.

Robinson, B. L.

Records preliminary to a general treatment of  
the *Eupatorieae*. XI. Contr. Gray Herb. 104: 3-49.  
1934.

Robinson, B. L.

The variability of two wide-ranging species  
of *Mikania*. Contr. Gray Herb. 104: 49-55.  
1934.

*M. hookeriana*, *M. vitifolia*.



Contr. Gray Herb. (cont.)

Smith, L. B.

Studies in the Bromeliaceae. V. Contr.  
Gray Herb. 104: 71-82. pl.i-iii. 1934.

Cyprus Agr. Journ. (21C992)

Nattrass, R. M.

Flax dodder, a recently observed pest in  
Cyprus. Cyprus Agr. Journ. 29:41-43. illus.  
Je.1934. no.2.

Econ. y Técn. Agr. (Spain) (Madrid) (15Ec7)

Mas Guindal, J.

Hongos comestibles. Econ. y Técn. Agr.  
(Spain) 3: 307-311. illus. Je.1934. no.26.

Erdész. Kisérl.(Hungary) (Sapron) (99.9Er22)

Kövessi, F.

Kísérleti adatok az erjesztősejtek (*Saccharomyces spec.*) fejlődésében uralkodó aperiódusos és periódusos csillapított rezgőmozgás jelenségeinek bizonyításához. V-VI. (Angaben und erläuterungen zum experimentellen nachweis der aperiodischen und periodischen gedämpften schwingungen, die bei sich der entwicklung der gärungs-pilze (*Saccharomyces spec.*) zeigen. V-VI. Erdész. Kisérl. (Hungary) 35:335-395. illus. 1933. no.4.

German summary.

Magyar, P.

Erdőtípusvizsgálatok a Börzsönyi- és a Bükkhegységben. (Walddtypenstudien im Börzsöny- und Bükkgebirge). Erdész. Kisérl. (Hungary) 35: 396-450. 1933. no.4.

German summary.

Ernähr. Pflanze (Berlin) (57.8Er6)

Trenel, M.

Ueber die physiologische bedeutung von tonerde- und kieselsäurehydrat im sauren mineralboden.  
Ernähr. Pflanze 30: 249-256. illus. Ag.1934. no.15/16.

Farming So. Africa (Pretoria) (24So842)

Dippenaar, B.J.

Downy mildew of cabbage and related plants.  
Farming So. Africa 9: 279-280. illus. Jl.1934.  
no.100.



Flora (Jena) (450F66)

Francke, H. L.

Beiträge zur kenntnis der mykorrhiza von  
*Monotropa hypopitys* L. analyse und synthese der  
symbiose. Flora 129 (n.s.29): 1-52. illus.  
1934. no.1.

Helm, J.

Ueber baueigentümlichkeiten der infloreszenzen  
einiger tropischer gräser. Flora 129(n.s.29):  
53-93. illus. 1934. no.1.

Troll, W.

Grundsätzliches zum stigmarienproblem.  
Flora 129(n.s.29): 94-112. illus. 1934. no.1.

Gard. Chron. (London) (80G162)

Balls, E. K.

Plant collecting in Persia. XV. A trying time  
on Kuh-i-Jupar. Gard. Chron. III, 96: 40-41.  
illus. Jl.21, 1934. no.2482.

Elliott, C.

Colour variation in collected plants. Gard.  
Chron. III, 96: 42. Jl.21, 1934. no.2482.

Johnson, A. T.

Notes on alpine phloxes. Gard. Chron. III,  
96: 22. Jl.14, 1934. no.2481.

Vosmaer, C. J. J. G.

*Paeonia moutan*, Sims. Gard. Chron. III, 96:  
39. Jl.21, 1934. no.2482.

Gard. Chron. Amer. (80G1632)

Anderson, A. W.

Plants and their names. Gard. Chron. Amer.  
38: 223-224, 244. Ag. 1934. no.8.

Genetica (The Hague) (442.8G282)

Frets, G. P. & Wanrooy, G.

Die erblichkeit der bohnenform und des  
bohnenengewichtes bei *Phaseolus vulgaris*. I-II.  
Genetica 16: 45-76, 297-314. 1934. no.1/2, 3/4.

Lindegren, C. C.

The genetics of *Neurospora*. VI. Bisexual and  
akaryotic ascospores from *N. crassa*. Genetica  
16: 315-320. illus. 1934. no.3/4.



Genetics (cont.)

McCullagh, D.

Chromosome and chromosome morphology in  
Plantaginaceae. I- Genetica 16: 1-44.  
illus. 1934. no.1/2.

Prakken, R.

Inheritance of colours and pod characters in  
Phaseolus vulgaris L. Genetica 16: 177-296.  
illus. pl.i-ii. 1934. no.3/4.

Rathlef, H. v. & Siebeneick, H.

Ueber einige kreuzungen peruanischer sorten  
von Solanum andigenum Juz. et Buk. mit Richters  
Jubel und die genetik von schalenfarbe, knollen-  
farbe, fleischfarbe, blütenfarbe und knollenform  
bei der kartoffel. Genetica 16: 153-176. 1934.  
no.1/2.

Tollenaar, D.

Untersuchungen über mutation bei tabak. I.  
Genetica 16: 111-152. illus. 1934. no.1/2.

I. Entstehungsweise und wesen künstlich erzeugter  
gen-mutanten.

Vandendries, R.

Nouvelles recherches expérimentales sur les  
barrages sexuels de Lenzites betulina (L.) Fr.  
Genetica 16: 389-400. fold.pl. iii. 1934. no.3/4.

Hadar (Jaffa) (80H11)

Oppenheimer, H. R. & Mendel, K.

Some experiments on water relations of  
citrus trees. Hadar 7: 35-37, 59-61, 150-153.  
F., Mr., Je. 1934. no.2,3,6.

I. The water saturation deficit of citrus  
leaves. II. Regulation of leaf transpiration in  
citrus. III. The daily march of stomatal aperture  
and transpiration on winter days.

Hawaiian Plant. Rec. (Honolulu) (25H311)

Wadsworth, H.A.

Soil moisture and the sugar cane plant.  
Hawaiian Plant. Rec. 38: 111-119. illus.  
1934. no.2.

Indian For. (Dehra Dun) (99.8In2)

Venkata Rao, M. G. & Gopalaiyengar, K.

Studies in spike disease of sandal. I-II. I. Two  
types of spike disease. II. The movement of the  
virus in sandal plants. Indian For. 60: 481-491.  
pl.44-46. Jl. 1934. no.7.



Irish Nat. Journ. (410Ir42)

Praeeger, R. L.

*Helianthemum vulgare* in Ireland. Irish Nat. Journ. 5: 76-77. Jl. 1934. no.4.

Rea, M. W.

The Wm. Thompson collection of British marine algae. Irish Nat. Journ. 5: 81-83. Jl. 1934. no.4.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Brooks, C. & Harley, C. P.

Soft scald and soggy break-down of apples. Journ. Agr. Res. 49: 55-69. illus. Jl.1, 1934. no.1 (Rec'd Ag.1)

Brown, N. A.

A gall similar to crown gall, produced on *Gypsophila* by a new bacterium. Journ. Agr. Res. 48: 1099-1112. illus. Je.15, 1934 (Rec'd Ag.1) no.12.

*Bacterium gypsophilae* sp.nov.

Brunson, A. M. & Latshaw, W.L.

Effect of failure of pollination on composition of corn plants. Journ. Agr. Res. 49: 45-53. Jl.1, 1934 (Rec'd Ag.1) no.1.

Caldwell, R. M., Kraybill, H. R., Sullivan, J. T. & Compton, L. E.

Effect of leaf rust (*Puccinia triticina*) on yield, physical characters, and composition of winter wheats. Journ. Agr. Res. 48: 1049-1071. illus. Je.15, 1934 (Rec'd Ag.1) no.12.

Jones, F. R.

Testing alfalfa for resistance to bacterial wilt. Journ. Agr. Res. 48: 1085-1098. Je.15, 1934 (Rec'd Ag.1) no.12.

Lutman, B. F.

Carbon dioxide formation by clean and scabby potatoes. Journ. Agr. Res. 48: 1135-1144. illus. Je.15, 1934 (Rec'd Ag.1) no.12.

Sprague, G. F.

Experiments on iarovizing corn. Journ. Agr. Res. 48: 1113-1120. illus. Je.15, 1934 (Rec'd Ag.1) no.12.



- Journ. Agr. Res. (cont.)  
Stanton, T. R., Reed, G. M. & Coffman, F. A.  
Inheritance of resistance to loose smut and covered smut in some oat hybrids. Journ. Agr. Res. 48: 1073-1083. Je.15, 1934 (Rec'd Ag.1) no.12.
- Journ. Bot. (London) (450J82)  
Norman, C.  
Notes on tropical Africal Umbelliferae.  
Journ. Bot. 72: 205-206. Jl. 1934. no.859.  
*Pimpinella nyasica*, *Caucalis incognita* n.spp.
- Polunin, N.  
The flora of Akpatok Island, Hudson Strait.  
Journ. Bot. 72: 197-204. Jl.1934. no.859.
- Rendle, A. B.  
Robert Chodat (1865-1934). Journ. Bot. 72: 207-208. Jl.1934. no.859.
- Salisbury, E. J.  
On the morphology, ecology, and distribution of *Ranunculus lenormandi* F. Schultz and *R.hederaceus* L. Journ. Bot. 72: 185-196. illus. Jl. 1934. no.859.
- Journ. Genetics (London) (442.8J823)  
Harland, S. C.  
The genetics of cotton. XI. Further experiments on the inheritance of chlorophyll deficiency in New World cottons. Journ. Genetics 29: 181-195. Jl. 1934. no.2.
- Marsden-Jones, E. M. & Turrill, W. B.  
Further breeding experiments with *Saxifraga*. Journ. Genetics 29: 245-263. pl.xiv-xx. Jl. 1934. no.2.
- Philp, J.  
Note on the cytology of *Saxifraga granulata* L., *S. rosacea* Moench, and their hybrids, Journ. Genetics 29: 197-201. illus. Jl.1934. no.2.
- Journ. Helminth. (London) (436.8J82)  
Goodey, T.  
On gall-formation due to the nematode *Anguillulina graminis*. Journ. Helminth. 12: 119-122. illus. Je.1934. no.3.  
Probably *Festuca capillata*.



Journ. Hered. (Washington) (442.8Am3)

Huskins, C. L.

Anomalous segregation of a triploid tomato.

Journ. Hered. 25: 281-286. illus. Jl.1934.  
no.7.

McKinney, H. H. & Sando, W. J.

Twisted wheat and twisted trees. Journ. Hered.  
25: 261-263. illus. Jl.1934. no.7.

Twisting of the rachis of wheat heads by short  
daily photoperiods suggests a new approach to  
studies of twisted trees.

Wiebe, G. A.

Complementary factors in barley giving a  
lethal progeny. Journ. Hered. 25: 273-274.  
illus. Jl. 1934. no.7.

Journ. Pomol. & Hort. Sci. (London) (80J825)

Copeman, P. R. v.d.R.

Variation in the fruits of Washington navel  
oranges with reference to the standardization of  
quality by means of the sugar/acid ratio. Journ.  
Pomol. & Hort. Sci. 12: 81-98. Jl.1934. no.2.

Drummond, R.

Notes on the wither-tip disease of plums  
caused by *Sclerotinia cinerea* and on the blacken-  
ing of apples caused by *Sclerotinia fructigena*.  
Journ. Pomol. & Hort. Sci. 12: 105-109. Jl.1934.  
no.2.

Halma, F. F.

Scion influence in citrus. Journ. Pomol. &  
Hort. Sci. 12: 99-104. 5 pl. Jl. 1934. no.2.

McKay, R.

Injury to apple trees due to paraffin oil used  
for the control of woollyaphis. Journ. Pomol.  
& Hort. Sci. 12: 167-175. ii pl. Jl.1934. no.2.

Rogers, W. S. & Vyvyan, M. C.

Root studies. V. Rootstock and soil effect on  
apple root systems. Journ. Pomol. & Hort. Sci.  
12: 110-150. illus. viii pl. Jl.1934. no.2.

Thomas, L. A. & Roach, W. A.

Injection of fruit trees: preliminary experi-  
ments with artificial manures. Journ. Pomol. & Hort.  
Sci. 12: 151-166. illus. Jl.1934. no.2.



London Nat. (420L843)

Nicholson, C.

*Araujia sericifera* Brot. (Syn.: *Physianthus albeus* Mart.). London Nat. 1933: 84. Je.26, 1934.

Payne, L. G.

Ferns of the Home counties. London Nat. 1933: 58-66. pl. iii-iv. Je.26, 1934.  
Essex, Herts, Middlesex, Surrey and Kent.

Mem. y Rev. Soc. Sci. Antonio Alzate (Mexico) (516M57)

Gandara, G.

La hierba de la leche *Euphorbia lancifolia* Schlech., Euforbiácea. Mem. y Rev. Soc. Sci. Antonio Alzate 52: 237-246. 1934. no.5/8.

Gandara, G.

Nota acerca del hongo comestible Mexicano llamado el enchilado. Mem. y Rev. Soc. Sci. Antonio Alzate 52: 253-257. 1934. no.5/8.

Roldan, A.

Apuntes acerca de la flora forestal del territorio de Quintana Roo. Mem. y Rev. Soc. Sci. Antonio Alzate 52: 179-183. 1934. no.5/8.

Mitt. Forstwirtsch. u. Forstwiss. (Hannover)

Rohde, T.

Die frostkernfrage. Eine kritische gesamt-darstellung ihres heutigen standes. Mitt. Forstwirtsch. u. Forstwiss. 4: 591-629. illus. 1933. no.4.

Mitt. Landw. (Berlin) (18D48M)

Pape, H.

Bekämpfung der hülsenfruchtlerschädlinge. Mitt. Landw. 49: 656-658. illus. J1.28, 1934. no.30.  
Fuss- und welkekrankheiten; braunfleckenkrankheiten; rostpilzen; echte mehltau: p.656.

Naturwissensch. (Berlin) (474N2J3)

Wettstein-Westersheim, W. v.

Fragen zur forstpflanzungsziichtung. Naturwissensch. 22: 490-491. J1.20, 1934. no.29.



Mycologia (450M99)

Dodge, B. O.

A lethal for ascus abortion in Neurospora.

Mycologia 26: 360-376. illus., pl.42-44.

Jl./Ag.1934. no.4.

Jones, L. R.

Arthur Bliss Seymour 1859-1933. Mycologia

26: 279-290. port. Jl./Ag. 1934. no.4.

Linder, D. H.

The genus Myxomycidium. Mycologia 26: 332-343. illus., pl.39. Jl./Ag. 1934. no.4.

M. guianense, M.nudosum n.spp.

Seaver, F. J.

Photographs and descriptions of cup fungi.

XXI. The genus Calycina. Mycologia 26: 344-347.

pl.40. Jl./Ag. 1934. no.4.

Smith, A. H.

Investigations of two-spored forms in the genus Mycena. Mycologia 26: 305-331. pl.34-38.

Jl./Ag. 1934. no.4.

M. cholea n.sp.

Snell, W. H.

Notes on boletes. III. Mycologia 26: 348-359.

pl. 41. Jl./Ag. 1934. no.4.

Sparrow, F. K. jr.

[Scherffeliomyces] Mycologia 26:377. Jl./Ag. 1934.

Scherffelia described as new genus in his New chytridiaceous fungi, changed to Scherffeliomyces.

Zeller, S. M.

Some new or noteworthy fungi on ericaceous hosts in the Pacific Northwest. Mycologia 26: 291-304. illus., pl.33. Jl./Ag. 1934. no.4.

Dermatea brunneo-pruinosa, Exobasidium burtii, Didymosporium arbuticola n.spp.

Nachr. Schädlingsbekämpfung (Leverkusen, b. Köln a.Rh.) (464.8N112)

Janson, A.

Ueber Ceresan-dauerbeizung zu buschbohnen.

(The effect of "Ceresan" disinfection of dwarf beans after prolonged storage.) Nachr. Schädlings\* bekämpfung 9: 37-42. My. 1934. no.1.

English summary: p.58-59.



Nachr. Schädlingsbekämpfung (cont.)

Meimberg, W.

Ein beizversuch zur bekämpfung der streifenkrankheit der gerste. (A disinfection experiment for the control of the stripe disease of barley). Nachr. Schädlingsbekämpfung 9: 27-29. My.1934. no.1.

English summary: P.58. Control by use of Ceresan and Uspulun.

O'Brien, D. G.

Die streifenkrankheit bei hafer. (The leaf-stripe disease of oats). Nachr. Schädlingsbekämpfung 9: 1-27. illus. My. 1934. no.1.

English summary: p.57.

Nat. Geogr. Mag. (47ON213)

White, J. R.

Among the big trees of California. Nat. Geogr. Mag. 66: 219-232. illus. Ag.1934. no.2.

Nat. Hort. Mag. (Washington, D.C.) 81N219)

Berry, S.S.

Iris wattii. Nat. Hort. Mag. 13: 158-161. illus. Ap.1934. no.2.

DeFrance, J. A.

Ilex cornuta, "horned holly" or "Chinese holly", and Ilex cornuta var. burfordii, "smooth-leaf holly". Nat. Hort. Mag. 13: 193-195. illus. Ap.1934. no.2.

Gerardi, J.

The gerardi hican. Nat. Hort. Mag. 13: 184-185. Ap. 1934. no.2.

Griffiths, D.

Lilium leucanthum Baker. Nat. Hort. Mag. 13: 139-144. illus. Ap.1934. no.2.

Henry, M. G.

Collecting plants beyond the frontier in northern British Columbia. II. Nat. Hort. Mag. 13:162-181. illus. Ap.1934. no.2.

James, D.

Ilex cornuta. Nat. Hort. Mag. 13: 188-189. Ap. 1934. no.2.

McFarland, J. H.

Some new roses in 1933. Nat. Hort. Mag. 13: 103-112. illus. Ap.1934. no.2.



Nat. Hort. Mag. (cont.)

Pierce, R. G.

The maroon-throated Erythronium. Nat. Hort. Mag. 13: 196. Ap.1934. no.2.

Russell, P.

Prunus serrulata Lindl. Oriental cherry. Variety Taki-nioi. Nat. Hort. Mag. 13: 198-200. illus. Ap. 1934. no.2.

Slavin, A. D.

Forms of pine. III. Nat. Hort. Mag. 13: 126-138. illus. Ap.1934. no.2.

Nature (London) (472N21)

Allison, F. E.

Importance of carbohydrate supply in legume symbiosis. Nature 134: 144. Jl. 28, 1934. no.3378

Klar, R.

Alleged influence of heavy water on mould growth. Nature 134: 104. Jl.21, 1934. no.3377.

Petersen, H. E.

Wasting disease of eelgrass (*Zostera marina*) Nature 134: 143-144. Jl.18, 1934. no.3378.  
*Ophiobolus maritimus* Sacc.?

Sprague, T. A.

Dr. N. L. Britton. Nature 134: 131. Jl.28, 1934. no.3378.

Nat. Pecan Assoc. Bull. (Mobile) (94.69N21)

Demaree, J.B., Fowler, E.D. & Crane, H.L.

Report of progress on experiments to control pecan rosette. Nat. Pecan Assoc. Bull. 32(1933): 90-99. [1934]

Dodge, F.N. & Crane, H. L.

Time and duration of growth of several types of shoots in relation to fruiting performance of the pecan. Nat. Pecan Assoc. Bull. 32(1933); 64-69. [1934]

Gossard, A. C.

The importance of maintaining vigorous terminal growth of pecan trees. Nat. Pecan Assoc. Bull. 32(1933): 84-89. [1934]



Nat. Pecan Assoc. Bull. (cont.)

Shuhart, D. V.

Pecan pollination. Nat. Pecan Assoc. Bull.  
32(1933):32-35. [1934]

Sitton, B. G.

Some of the influences of foliage on set and  
filling of the pecan. Nat. Pecan Assoc. Bull.  
32(1933):89-90. [1934]

Smith, C. L. & Romberg, L. D.

Further studies on periods of receptivity and  
pollen viability in the pecan. Nat. Pecan Assoc.  
Bull. 32(1933):49-55. [1934]

Smith, C. L. & Thor, C. J. B.

A physiological study of fruit development in  
the pecan (*Hicoria pecan*). Nat. Pecan Assoc. Bull.  
32(1933):46-49. [1934]

New Jersey State Hort. Soc. News (811146)

Blake, M. A.

Relation of growth status of apple trees to fire  
blight. New Jersey State Hort. Soc. News 15:618-  
619,629. Jl.1934. no.5.

Peterm. Mitt. (Gotha) (474M69)

Brockmann-Jerosch, H.

Kulturpflanzen ausserhalb ihres natürlichen  
bereiches. Peterm. Mitt. 30:221-222. pl.14-15.  
1934. no.7/8.

Pharm. Zentralh. (Dresden) 396.8P492)

Eriese, W.

Von den frischpilzen bis zu den trockenpilzen,  
deren beschaffenheit und lagerung. Pharm. Zentralh.  
75: 439-443. Jl.12,1934. no.28.

Philipp. Agr. (Laguna) (25p542)

Celino, M. S.

Blight of *Cinchona* seedlings. Philipp. Agr.  
23:111-127. illus., pl. Jl.1934. no.2.  
*Phytophthora faberi*.

Phosphorsäure (57.8P562)

Achromeiko, A. I.

Zur frage der pflanzenaufnehmbarkeit der  $P_2 O_5$   
aus eisen- und aluminiumphosphaten und deren dom-  
plexen salzen. Phosphorsäure 4:429-440. illus.  
1934. no.7.



Proc. Amer. Phil. Soc. (Philadelphia) (500P533)

Davis, B. M.

What is *Oenothera hookeri* Torrey & Gray?

Proc. Amer. Phil. Soc. 74:245-251. pl.

Jl.1934. no.3.

Smith, F. H.

Prochromosomes and chromosome structure in

*Impatiens*. Proc. Amer. Phil. Soc. 74:193-214.

iii pl. Jl.1934. no.3.

Proc. Crop Sci. Soc. Japan (22.5088)

Chizaki, Y.

Breeding of a new interspecific hybrid between  
*Hibiscus esculentus*, L. and *H. manihot*, L. Proc.

Crop Sci. Soc. Japan 6:164-172. Je.1934. no.2.

Japanese.

Minami, T. & Kikuchi, M.

On the wilt-resistant varieties of flax.

Proc. Crop Sci. Soc. Japan 6:107-117. illus.

Je.1934. no.2.

Japanese.

Miura, S.

Root development of rice plant in well- vs.  
ill-drained soil conditions. Proc. Crop Sci.

Soc. Japan 6:207-211. illus. Je.1934. no.2.

Miyagi, S. & Yasukawa, D.

Experimental observations into photoperiodism  
in certain grain crops. Proc. Crop Sci. Soc.

Japan 6:231-238. illus. Je.1934. no.2.

Japanese.

Miyazawa, B.

Several examples of mutation in rice plant

Proc. Crop Sci. Soc. Japan 6:156-158. Je.1934.  
no.2.

Japanese.

Nakatani, S.

Varietal differences in peroxidase contents  
of cotton seeds. Proc. Crop Sci. Soc. Japan

6:118-125. Je.1934. no.2.

Japanese.

Onodera, J.

Symptoms of dry injury on leaves of rice plant  
as related to drought resistance. Proc. Crop

Sci. Soc. Japan 6:126-156. illus. Je.1934.  
no.2.

Japanese with English resumé.



Proc. Crop Sci. Soc. Japan (cont.)

Saito, K.

Ecological studies in "mino-wase" radish. 1.  
Effect of air temperatures on root growth.

Proc. Crop Sci. Soc. Japan 6:173-183. Je.1934.  
no.2.

Japanese.

Tabata, K., Tedsuka, T. & Hatabuchi, M.

Effects of short day upon several characters  
of rice plant. Proc. Crop Sci. Soc. Japan 6:212-  
221. illus. Je.1934. no.2.

Terada, S. & Horiwa, S.

Morphology of the "snaky" cotton plant. Proc.  
Crop Sci. Soc. Japan 6:187-189. Je.1934. no.2.

Japanese.

Terazawa, Y.

A morphological description of Brassica-Raphanus  
plant. Proc. Crop Sci. Soc. Japan 6:159-163.  
pl. Je. 1934. no.2.

Japanese.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Armet, H.

Bouillies célestes au sulfate d'ammoniaque et  
solutions cupriques aux composés tartriques.

Progr. Agr. & Vitic. 102:86-89. Jl.22,1934.  
no.29.

Bènes, G.

Court-noué et chlorose. Progr. Agr. & Vitic.  
102:81-84. Jl.22,1934. no.29.

Nicolas, G.

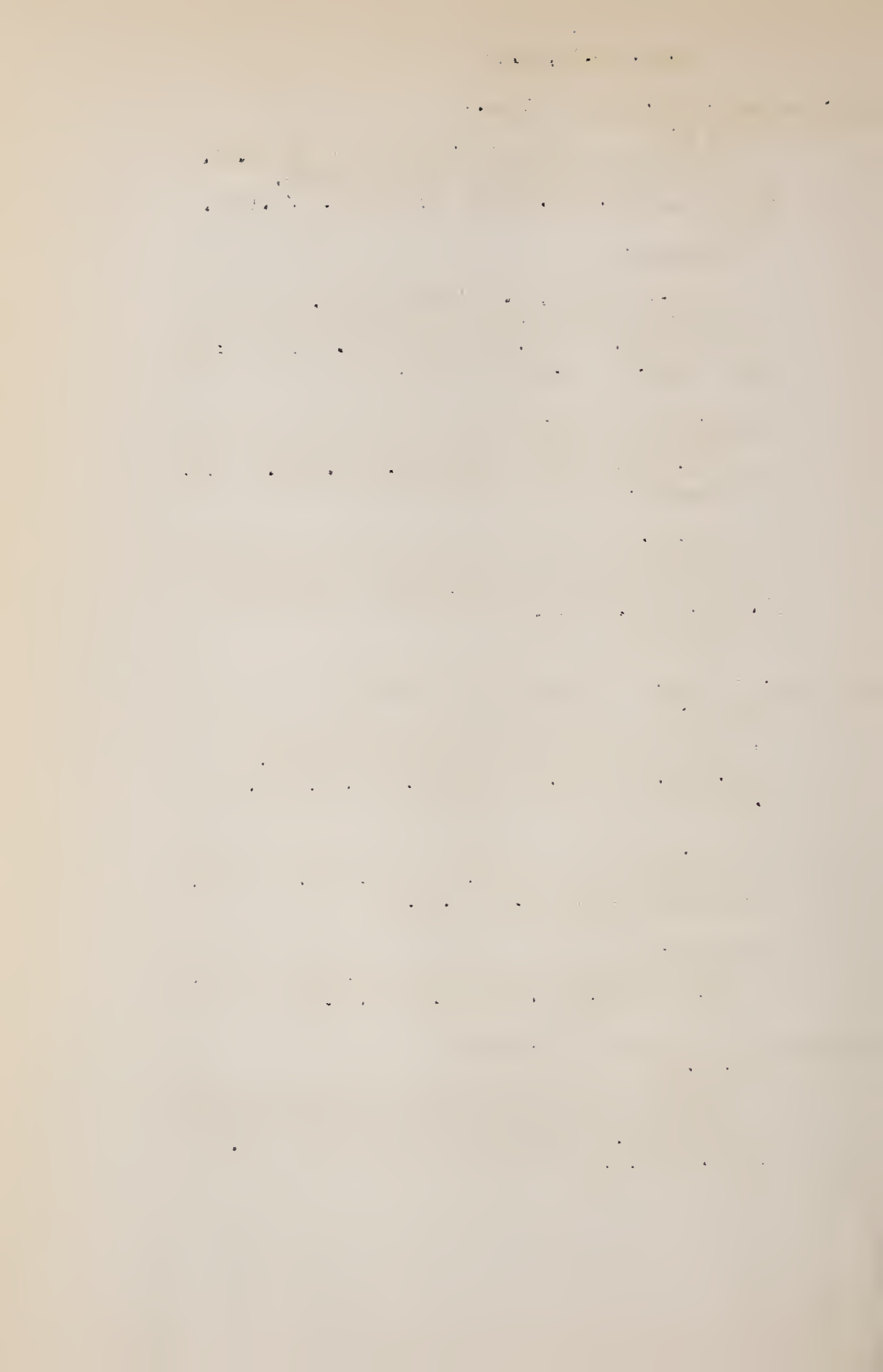
Les bouillies cupro-ammoniacales. Progr. Agr.  
& Vitic. 102:62. Jl.15,1934. no.28.

Protoplasma (Leipzig) (442.8P94)

Colla, S.

Ricerche sul movimento degli stami in alcune  
berberidacee. VI. Le modificazion cellulari durante  
la contrazione. Protoplasma 21:1-33. illus.

Ap.1934. no.1.



Protoplasma (cont.)

Dent, K. W.

Studies on toxic action. VII. The toxicity of aliphatic esters towards potato tuber. Protoplasma 21:62-72. Ap.1934. no.1.

Eichberger, R.

Ueber die lebensdauer isolierter tonoplasten. Protoplasma 20:606-632. illus. F.1934. no.4.

Henner, J.

Untersuchungen über spontankontraktion der vakuolen. Protoplasma 21:81-111. illus. Ap.1934. no.1.

Experiments with *Ligustrum vulgare*, *Allium cepa*, *Polygonatum verticillatum*.

Iljin, W. S.

Kann das protoplasma durch den osmotischen druck des zellsaftes zerdrückt werden? Protoplasma 20:570-585. F.1934. no.4.

Martens, P.

Recherches sur la cuticule. III. Structure, origine et signification du relief cuticulaire. Protoplasma 20:483-515. illus. F.1934. no.4.

Seifriz, W.

The origin, composition, and structure of cellulose in the living plant. Protoplasma 21:129-159. illus., pl.i. Ap.1934. no.1.  
"Sammelreferate".

Zirkle, C.

Amines in cytological fixing fluids. Protoplasma 20:473-482. pl.vi-vii. F.1934. no.4.

Quart. Journ. Pharm. & Pharmacol. (London) (396.8Q2)

Breyer-Brandwijk, M. G.

The phytochemistry of the root-bark of *Phyllanthus engleri* Pax. Quart. Journ. Pharm. & Pharmacol. 7:167-178. Ap./Je.1934. no.2.



Rep. Bot. Soc. & Exch. Club Brit. Isles (451B653)

Bishop, E. B.

A few additions to the flora of Northamptonshire. (In memoriam - George Claridge Druce).

Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:571-582. Je. 1934. no.3.

Butcher, R. W.

Notes on the variation of the British species of *Zostera*. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:592-597. pl.56-57. Je.1934. no.3.

Cotton, A. D.

*Zostera marina* in Britain. Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:623-624. Je. 1934. no.3.

Elliot, G. F. S.

The birch - *Betula alba* L. Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:651-665. Je.1934. no.3.

Elliot, G. F. S.

The hedge woundwort - *Stachys sylvatica* L. Rep. Bot. Soc. & Exch. Club. Brit. Isles. 10:640-650. illus. Je.1934. no.3.

Fraser, J.

Mints that sport. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:589-591. Je.1934. no.3.

Variations in several species of *Mentha* described.

Hall, P. M. & Pearsall, W. H.

Notes on the British Orchidaceae. Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:670-681. Je. 1934. no.3.

Little, J. E.

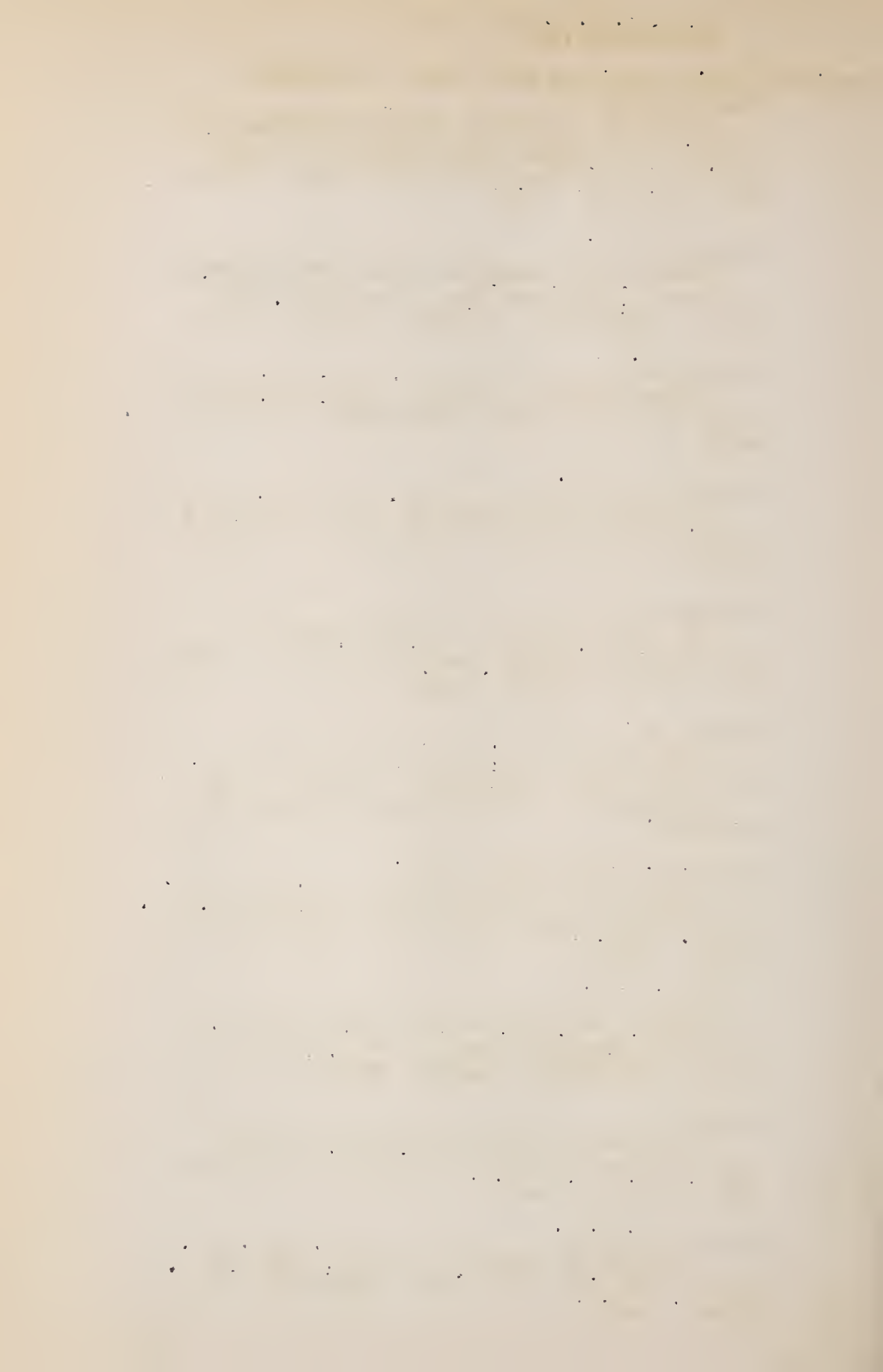
Evidence of a prehistoric flora in the Ivel district. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:637-639. Je.1934. no.3.

Parkin, J.

The classical carpel and recent attacks. Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:598-606. Je.1934. no.3.

Pearsall, W. H.

Beginning the study of grasses. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:631-637. Je. 1934. no.3.



Rep. Bot. Soc. & Exch. Club. Brit. Isles (cont.)

Pearsall, W. H.

The British species of *Myriophyllum*. Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:619-621. Je.1934. no.3.

Pearsall W. H.

*Crepis biennis* L. in Yorkshire. Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:625-627. Je. 1934. no.3.

Pearsall, W. H.

Notes on the Orchidaceae of Kent. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:629-630. Je. 1934. no.3.

Pearsall, W. H.

Some hybrid *Carices*. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:682-685. Je.1934. no.3.

Riddelsdall, H. J.

A flora of Glamorganshire. Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:666-669. Je.1934. no.3.

Turrill, W. B.

Dr. O. Stapf, V.R.S. 1857-1933. Rep. Bot. Soc. & Exch. Club. Brit. Isles 10:511-514. Je. 1934. no.3.

Turrill, W. B.

Variation and a variant of *Cerastium vulgatum* from Dorset. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:583-588. Je.1934. no.3.

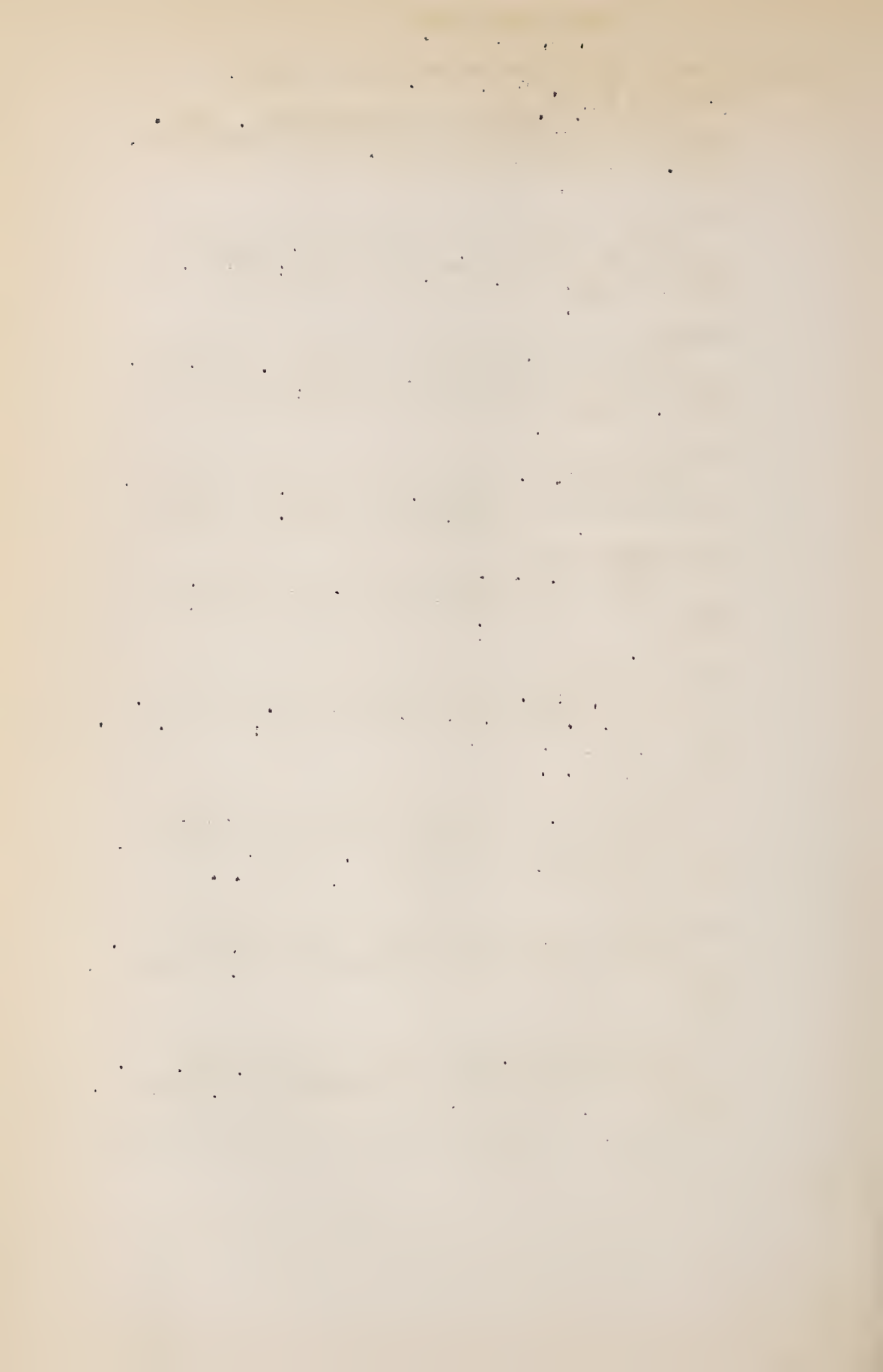
Vachell, E.

A list of Glamorgan plants. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:686-743. Je. 1934. No.3.

Wolley-Dod, A.

Curiosities of plant life. Rep. Bot. Soc. & Exch. Club Brit. Isles 10:607-618. Je.1934. no.3.

Movement of plants, behavior of plants, dispersal of seeds.



Rev. Bot. Appl. (Paris) 26R323)

Chevalier, A.

Les Aleurites d'Indochine producteurs d'huile de bois. Rev. Bot. Appl. 14:389-399. Je.1934. no.154.

Chevalier, A.

Dissotis leonensis Hutch. et Dalziel. Rev. Bot. Appl. 14:411-413. pl.viii. Je.1934. no.154.

Chevalier, A.

Sur un trèfle fourrager du Cameroun. Rev. Bot. Appl. 14:439-441. Je. 1934. no.154  
Trifolium ruppelianum.

Ducke, A.

Les genres Coumarouna Aubl. et Taralea Aubl. Rev. Bot. Appl. 14:400-407. Je.1934. no.154.  
C. ferrea, C. magnifica n.spp.

Normand, D.

Note sur quelques bois du Gabon. Rev. Bot. Appl. 14:414-421. pl.ix. Je.1934. no.154.  
Izombé (Testulea gabonensis) - Copaliers (species of Copaifera).

Parrin, O.

Les tabacs de Turquie d'Asie. Rev. Bot. Appl. 14:426-432. Je. 1934. no.154.  
From Rev. Intern. Tabacs 1933.

Russell, W.

Origines et particularités des racines adventives caulinaires de quelques Aeschynomene. Rev. Bot. Appl. 14:407-411. illus. Je.1934. no.154.

Walker, A.

Sur trois arbres de la forêt gabonaise. Rev. Bot. Appl. 14:421-426. Je.1934. no.154.  
Copaifera sp. (olumi rouge), Detarium sp. (olumi noir), Grewia coriacea (arbre à briquet).

Rev. Hort. (Paris) (80R32)

Jahandiez, E.

Les plantes grasses autres que les cactées. Les crassulacées (cont.). Rev. Hort. 106:160-162. illus. Jl.16, 1934. no.7.



Rev. Hort. (cont.)

Jarry-Desloges, R.

Contribution a l'étude des avocatsiers sur la  
Cote-d'Azur, leur floraison. Rev. Hort. 106:  
152-154. illus. Jl.16, 1934. no.7.

Riv. Ital. Essen. e Profumi (Milano) (308.8R52)

Rovesti, G. & Rovesti, P.

Flora officinale del Parco nazionale d'Abruzzo  
e della zona limitrofa. Riv. Ital. Essen e Pro-  
fumi 16:197-221. illus. Jl.15, 1934. no.7.

Science (470Sci2)

Bennett, E.

Why dandelions? Science 80:142. Ag.10,  
1934. no.2067.

Food values of mangold leaves, lettuce, cabbage  
leaves and spinach as well as dandelions, given.

Drake, C. J., Martin, J. N. & Tate, H. D.

A suggested relationship between the proto-  
plastic bridges and virus diseases in plants.  
Science 80:146. Ag.10, 1934. no.2067.

Roberts, R. H. & Kraus, J. E.

Respiratory types and photoperiodism. Science  
80:122-123. Ag.3, 1934. no.2066.

Experiments with potted apple plants, poin-  
settias and others.

Rusby, H. H.

Nathaniel Lord Britton. Science 80:108-111.  
Ag.3, 1934. no.2066.

Stockwell, P.

A stain for difficult plant material. Science  
80:121-122. Ag.3, 1934. no.2066.

Version of Fleming triple stain.

Scient. Agr. (Ottawa) 7Sci2)

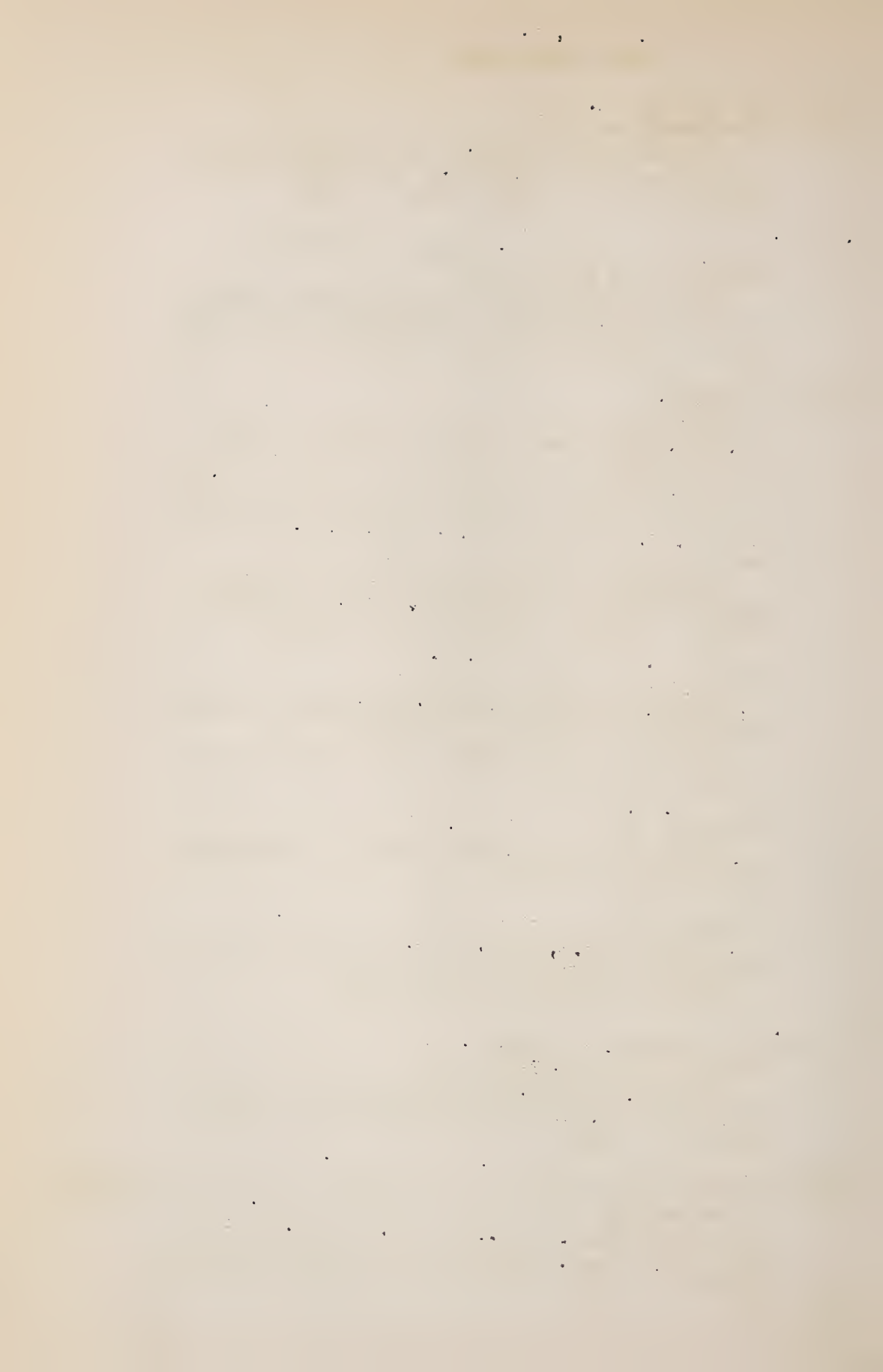
Hockey, J. F. & Boyle, J. A.

Gravesteins - Time of picking in relation to  
spot scald. Scient. Agr. 14:608-613. illus.  
Jl.1934. no.11.

Sci. Rep. Tohoku Imp. Univ., 4. Ser. (Biol.) (Sendai) (513T57Ab)

Hiramatsu, K.

On compensation point of woody plants. Sci.  
Rep. Tohoku Imp. Univ., 4. Ser. (Biol.) 9:71-77.  
Je.1934. no.1.



- Sci. Rep. Tokyo Bunrika Daigaku Sect. B (513T578B)  
Miwa, T. & Yoshii, S.  
Ueber die bildung der urease bei Aspergillus  
niger. Sci. Rep. Tokyo Bunrika Daigaku Sect. B.  
1:243-270. My.31,1934. no.23.
- Scott. Journ. Agr. (Edinburgh) (10Sco82So)  
Braid, K. W.  
History of the bracken disease. Scott.  
Journ. Agr. 17:297-305. Jl.1934. no.3.
- Howells, D. V.  
Strawberry culture. II. Scott. Journ. Agr.  
17:287-292. Jl.1934. no.3.  
Red core (Phytophthora sp. Alcock) (Lanark-  
shire strawberry disease.): p.287-289.
- Sinensia, Nanking (410.9Si62)  
Tai, F. L. & Wei, C. T.  
Notes on Chinese fungi. III. Peronosporaceae.  
Sinensia, Nanking 4:83-128. illus. N.1933.  
no.5.
- Teng, S. C. & Teng, K. L.  
Notes on slime-molds from China. Sinensia,  
Nanking 4:61-81. O.1933. no.4.
- Soil Sci. (Baltimore) (56.8So3)  
Godfrey, G. H.  
Indicator plants for measuring soil populations  
of the root-knot nematode, *Heterodera marioni*  
(Cornu) Goodey. Soil Sci. 38:3-27. Jl.1934.  
no.1.
- Tijdschr. Plantenz. (464.8T44)  
Banga, O.  
Het steelrot van appels. Tijdschr. Plantenz.  
40:157-169. pl.xiv. Jl.1934. no.7.  
German summary: p.167-168.  
Two fungi isolated but these are wound para-  
sites (*Phomopsis* & *Cylindrocarpon*), cause not yet  
definitely determined.
- Trans. Amer. Micros. Soc. (440.9Am33)  
Transeau, E. N.  
The genera of the Zygnemataceae. Trans.  
Amer. Micros. Soc. 53:201-207. Jl.1934. no.3.



Trans. Indiana Hort. Soc. (81In2)

Dutton, W. C.

Comparisons of new and old materials for scab control. Trans. Indiana Hort. Soc. 73(1933): 102-105. 1934.

McCown, M.

The fruit disease situation in Indiana orchards. Trans. Indiana Hort. Soc. 73(1933):11-14. 1934.

Magness, J. R.

The moisture problem in the orchard. Trans. Indiana Hort. Soc. 73(1933):28-39. 1934.

Trop. Agriculture West Indies (Trinidad) (26T754)

Cheesman, E. E.

Principles of banana breeding. (concl.) Trop. Agriculture West Indies 11:203-209. Ag.1934. no.8.

Trudy Prikl. Bot., Gen. i Selek. Ser. V, Zernov. Kul't. (Bull.

Appl. Bot., Gen. & Plant-breed. V. Ser., Grain Crops) (451R92G)

Orlov, A. A.

Iachmeni Arabii (Barleys of Arabia). Trudy Prikl. Bot., Gen. i Selek. Ser. V, Zernov. Kul't. (Bull. Appl. Bot., Gen. & Plant-breed. V. Ser., Grain Crops) 2:1-40. illus. (incl.map). 1934.

Russian with English summary.

Schreiber, L.

Pshenitsy sredizemnomorskikh ostrovov (Wheats of the islands of the Mediterranean). Trudy Prikl. Bot., Gen. i Selek. Ser. V, Zernov. Kul't. (Bull. Appl. Bot., Gen. & Plant-breed. V. Ser., Grain Crops) 2:41-240. illus. (incl. maps). 1924.

Russian with English summary.

Tumanian, M.

Botanicheskii sostav dikikh pshenits Armenii i usloviia ikh proizrastaniia v prirode (The botanical diversity of the wild wheats in Armenia). Trudy Prikl. Bot., Gen. i Selek. Ser. V, Zernov. Kul't. (Bull. Appl. Bot., Gen. & Plant-breed. V. Ser., Grain Crops) 2:241-268. illus. 1934.

Russian with English summary.

Tumanian, M.

Vetvistaiia miagkaia pshenitsa. (Branched soft wheat). Trudy Prikl. Bot., Gen. i Selek. Ser. V, Zernov. Kul't. (Bull. Appl. Bot., Gen. & Plant-breed. V. Ser., Grain Crops) 2:269-282. illus. 1934.

Russian with English summary.



Věstník Českosl. Akad. Zeměd. (Prague) (19.5C332)

Karel, M.

Metoda na rozlišování makových odrůd podle barvy klíčků vyrostlých na světle. (Eine methode zur unterscheidung von mohnsorten nach der farbe der lichtkeime). Věstník Českosl. Akad. Zeměd. 10:439-443. illus. 1934. no.6/7.

German summary: p.442-443.

Rozsypal, J.

Houby na hád'átku řepném Heterodera schachtii Schmidt v moravských půdách. (Pilze in cysten von Heterodera schachtii Schmidt aus mährischen rübenboden). Věstník Českosl. Akad. Zeměd. 10:413-422. illus., pl.ii. 1934. no.6/7.

German summary: p.422.

Trichosporium populneum, Protomycoopsis sp., Olpidium nematodae.

Welsh Journ. Agr. (Cardiff, Wales) (10W46)

Shippindale, H. C.

The effect of "ceresan" on the germination of grass-seeds. Welsh Journ. Agr. 10:284-288. Ja.1934.

Jenkins, J. R. W.

Potato eelworm disease. Welsh Journ. Agr. 10:301-308. Ja.1934.

Walker, R. G.

The inimical effects of presoaking on the seeds of oats. Welsh Journ. Agr. 10:278-284. Ja.1934.

#### State Publications

Aust, F. A.

Rock gardens. Wisconsin Univ. Agr. Ext. Serv. Stenc. Circ. 134. 14 p. pl. F.1934. (275.29W75B)

Mimeographed.

Norris, N. A.

Native shrubs common to Wisconsin. Wisconsin Univ. Agr. Ext. Serv. Stenc. Circ. 138. 17 p. illus. S.1933. (275.29W75B)

Mimeographed.

Roberts, R. H.

Strawberry "black root" injury. Wisconsin Univ. Agr. Ext. Serv. Stenc. Circ. 139. 2 p. pl. S.1933. (275.29W75B)

Mimeographed.



State Publications. (cont.)

Vaughn, R. E.

Treat potato seed. Wisconsin Univ. Agr. Ext.  
Serv. Stenc. Circ. 129. 3 p. [1934?]  
(275.29W75B)  
Mimeographed.

Vaughn, R. E.

Ways to treat seed grain. Wisconsin Univ.  
Agr. Ext. Serv. Stenc. Circ. 128. 2 p. Mr.  
1934. (275.29W75B)  
Mimeographed.

Exp. Stat. Publ.

Ware, J. O. & Young, V. H.

Control of cotton wilt and "rust". Arkansas  
Agr. Exp. Stat. Bull. 308. 23 p. Je.1934.  
(100Ar42)

Karraker, P. E. & Bortner, C. E.

Studies of frenching of tobaccó. Kentucky  
Agr. Exp. Stat. Res. Bull. 349:63-109. illus.  
Ap.1934. (100K41)

Phillips, T. G., Smith, T. O. & Dearborn, R. E.

The effect of potassium deficiency on the com-  
position of the tomato plant. New Hampshire Agr.  
Exp. Stat. Techn. Bull. 59. 16 p. Je.1934.  
(100N45)

Havis, L. & Gourley, J. H.

The russeting of apples. Ohio Agr. Exp. Stat.  
Bimonth. Bull. 19:147-155. illus. Jl./Ag.1934.  
no.169. (1000h35)

Featherly, H. I. & Still, C. E.

The ferns of Oklahoma. Oklahoma Agr. Exp. Stat.  
Circ. 80. 24 p. illus. Je.1934. (1000k4).

Davis, R. L.

Sugarcane variety P.O.J. 2878 in Puerto Rico.  
Puerto Rico Agr. Exp. Stat. Bull. 35. 45 p.  
illus. Je.1934. (1Ex65)

Carolus, R. L.

Tomato fertilization. II. The effect of different  
fertilizer ratios on the chemical composition of to-  
matoes. Virginia Truck Exp. Stat. Bull. 81:1085-  
1117. O.1,1933. (100V813B)

The first part of the document discusses the general principles of the proposed system, which is designed to improve the efficiency of the existing administrative structure. It is based on the following assumptions:

1. The current system is inefficient due to overlapping functions and lack of coordination.
2. A more centralized approach is needed to streamline operations.
3. Clear lines of authority and responsibility are essential for success.

The proposed system consists of several key components:

1. A central executive body responsible for overall policy and coordination.
2. Specialized departments or committees to handle specific areas of responsibility.
3. A system of regular communication and reporting between all levels of the organization.

It is expected that these changes will lead to a more unified and effective administrative system, capable of addressing the challenges of the modern era.

The following table outlines the proposed organizational structure:

Level	Department/Committee	Key Responsibilities
Central	Executive Council	Overall policy, coordination, and supervision.
Specialized	Department of Finance	Managing the organization's financial resources.
Specialized	Department of Administration	Managing internal operations and personnel.
Specialized	Department of External Affairs	Managing relations with other organizations and the public.

This structure is designed to ensure that all activities are carried out in a coordinated and efficient manner, with clear lines of authority and responsibility.

New Books.

Andrade, E. N. d.

Manual de citricultura Pt. I. Culture e estatística. São Paulo, Chacaras e Quintaes, 1933. (93.33N22)

Bender, H. B.

The fungi imperfecti, order Sphaeropsidales, with keys and references to genera. North Woodbury, Conn., The author, Mr. 1934. (462.07B43)

Bonnier, G. & Sablon, L. d.

Cours de botanique. Anatomie; physiologie; classification; applications agricoles, industrielles, médicales. fasc. 8. Paris, Librairie générale de l'enseignement, 1934. (463B64)

Bonnier, G. & Douin, R.

Flore complete illustrée en couleur de France ... Suisse et Belgique. v.12, f.119. pl. 709-714. Paris, [1934]. (f. 459B64)

Chow, H.-F.

The familiar trees of Hopei. (Peiping], Peking natural history bulletin, 1934 (Peking society of natural history, Handbook no.4). (513P36B)

Craib, W. G.

Florae siamensis enumeratio. A list of plants known from Siam with records of their occurrence. v.2, pt.2 Rubiaceae (concl.) to Dipsacaceae. Bangkok, The Bangkok times press, F.28,1934. (460.13C84F)

Janssonius, H. H.

Mikrographie des holzes der auf Java vorkommenden baumarten ... ll. lfg. Leiden, E. J. Brill, 1934. (463.4J26)

Kavina, K., ed. & Pilat, A.

Atlas des champignons de l'Europe. Praha, 1934. (462.12K17)  
V.1, Amanita par Rudolf Veselý (16 p. 8 pl.)

Kendall, C. E.

A study of the domestic water supply of Winchester, Massachusetts. 2d ed. Winchester, Mass., Winslow press, 1934. (292K33)



New Books, (cont.)

Mills, F. W.

An index to the genera and species of Diatomaceae and their synonyms... 1816-1932. pt.xii-xiii. London, Wheldon & Wesley, My., Je. 1934.

Percival, J.

Wheat in Great Britain. Reading, Engl., The author, 1934. (59.26P41W)

Pieters, A. J.

The little book of Lespedeza. Washington, D. C. The author, 1934. (60.3P61)

Post, G. E.

Flora of Syria, Palestine and Sinai... 2d ed., extensively rev. and enl. by J. E. Dinsmore. v.2. Beirut, American press, 1933. (460.17P84F)

Pulle, A.

Flora of Surinam (Dutch Guyana). Amsterdam, 1934 (K. Ver. Kolon. Inst. Amsterdam. Meded. no.XXX, Afd. Handelsmus. no.11) (503Am82).

v.1 (p.49-160). Polygonaceae, Cyperaceae, Caryophyllaceae, Proteaceae, Aizoaceae (pars) - v.2 (p.113-114) Myristicaceae, Menispermaceae, Anacardiaceae (pars). - v.3 (p. 65-160) Guttiferae, Lecythidaceae, Punicaceae, Bixaceae, Araliaceae (pars) - v.4 (p.113-304) Rubiaceae, Ericaceae, Campanulaceae (pars).

Record, S. J.

Identification of the timbers of temperate North America, including anatomy and certain physical properties of wood. New York, John Wiley & sons, 1934. (99.79R24)

Sawyer, R. V. & Perkins, E. H.

Water gardens and goldfish. 2d ed. New York, A. T. De La Mare co., 1934.

Sharp, L. W.

Introduction to cytology. 3d ed. New York, McGraw-Hill book co., 1934. (442Sh2)

Sinnott, E. W., Houghtaling, H. & Blakeslee, A. F.

The comparative anatomy of extra-chromosomal types in *Datura stramonium*. Washington, Je. 1934 (Carnegie institution of Washington Publication 451). (463.5Si6)



New Books (cont.)

Swingle, D. B.

A textbook of systematic botany. 2d ed.  
New York, McGraw-Hill book co., 1934. (452Sw5)

Went, J. C.

Fusarium-aantastingen van erwten. Utrecht,  
Hoeijenbos & Co., 1934. (464.04W48)  
English summary: p.78.

Zschacke, H.

Epigloeaceae, Verrucariaceae und Dermatocarpaceae  
Leipzig, 1933 (Dr. L. Rabenhorst's Kryptogamenflora  
von Deutschland, Oesterreich und der Schweiz IX bd.,  
abt., I, 1, lfg.4, p.481-695.)

Non-current indexing.

Acta Horti Bot. Latv. (Riga) (451L35)

Suseklis, H. & Zamelis, A.

Ein schon F<sub>1</sub> an konstanter bastard - Viola  
arteficiosa Ausekl., erhalten durch kreuzung von  
V. bosniaca Form. ♀ mit V. arvensis Murr. ♂.  
Acta Horti Bot. Latv. 6:95-121. pl. 1931.  
no.2/3.

Melderis, A.

Genetical and taxonomical studies in the genus  
Erythraea Rich. I. Acta Horti Bot. Latv. 6:123-  
158. illus. 1931. no.2/3.

Melderis, A. & Viksne, A.

Notes on the genus Lathyrus. Acta Horti Bot.  
Latv. 6:90-94. 1931. no.2/3.

Ozolina, E.

Ueber die höhere vegetation des Usma-Sees.  
Acta Horti Bot. Latv. 6:1-74. illus. 1931.  
No. 1.

Viksne, A.

Notes sur la variabilité de la première géné-  
ration de l'hybride Rosa rugosa Thunb. ♀ x R.  
pimpinellifolia L. forma flore pleno ♂. Acta  
Horti Bot. Latv. 6:75-83. 1931. no.2/3.

Viksne, A.

Vorläufige mitteilung über die kreuzungs-  
versuche mit Ribes (1924-1931). Acta Horti  
Bot. Latv. 6:86-89. illus. 1931. no.2/3.



Non-current indexing (cont.)

Acta Horti Bot. Latv. (cont.)

Zamelis, A. & Melderis, A.

Pseudogamie bei der selbststerilen *Veronica pinnata* L. infolge der bestäubung mit dem pollen von *Veronica longifolia* L. Acta Horti Bot. Latv. 6:159-192. illus. 1931. no.2/3.

Zamelis, A.

Ueber entstehung neuer sippen durch monogenesis. Acta Horti Bot. Latv. 6:193-202. illus. 1931. no.2/3.  
Vorläufige mitteilung.

Bot. Zhurn. SSSR (451R923)

Bobrov, E. G.

K poznaniiu roda *Cephalaria* Schard. (Beitrag zur kenntnis der gattung *Cephalaria* Schard.) III. Mehrjährige arten aus USSR). Bot. Zhurn. SSSR 17:483-505. illus. (incl. maps). 1932. no.5/6.  
Russian with Latin diagnoses.

Korovin, E. P.

Novyi tretichnyi tip semeistva Proteaceae iz Srednei Azii. (Genus novum fossile palaeogenum familiae Proteacearum ex Asiae Mediae). Bot. Zhurn. SSSR 17:506-523. illus. 1932. no.5/6.  
Palibinia.  
Russian with Latin diagnoses.

Komarov, V.

Mnogosemiannye vidy archi v Srednei Azii (*Sabinae polyspermae Asiae Mediae*). Bot. Zhurn. SSSR 17:474-482. 1932. no.5/6.  
Russian with Latin diagnoses (*Juniperus seravshanica*, *J. schugnanica* n. spp.)

Litvinov, L. S.

K voprosu o kriterii otsenki pochvennogo uvlazhneniia. (On the criterion of estimation of soil moisture). Bot. Zhurn. SSSR 17:451-473. 1932. no.5/6.  
Russian with English summary.

Stepanova, V. S.

Skorost vegetativnogo rosta riaski. (Die geschwindigkeit des vegetativen wachstums der gattung Lemna). Bot. Zhurn. SSSR 17:523-529. 1932. no.5/6.  
Russian with German summary.



Bull. Agr. Chem. Soc. Japan (J385Ag8B)

Kawahara, T.

On the phytase of *Aspergillus* species. Bull.  
Agr. Chem. Soc. Japan 5:7-8. Ja./My.1929. no.1/5.

Sasaki, S.

Studies on the germination of seeds. II. Starch  
produced during the germination of soy-bean seeds.  
Bull. Agr. Chem. Soc. Japan 5:6-7. Ja./My.1929.  
no.1/5.

Sumiki, Y.

Studies on the saponin of soy-bean. I. Bull.  
Agr. Chem. Soc. Japan 5:27-32. Ja./S.1929.  
no.6/9.

Jaarb. Nederl. Dendrol. Vereenig. (90.9N28)

Springer, L. A.

Een en ander over het geslacht *Salix* (Wilgen).  
Jaarb. Nederl. Dendrol. Vereenig. 1928:77-85.



# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY

RECEIVED

★ SEP 10 1934 ★

U. S. Department of Agriculture

Vol. 16, no. 17

Aug. 13-25, 1934.

Agr. Rev. Agropec. (Madrid) (15Ag84)

Arana, M. d.

El Instituto de cerealicultura y los nuevos  
tipos de trigo. Agr. Rev. Agropec. (Madrid)  
4:437-448. illus. Jl. 1934. no. 67.

Ann. di Bot. (Roma) (450An71)

Gioelli, F.

Fenomeni di antagonismo tra "Penicillium  
digitatum" (Pers.) Sacc. e "Penicillium italicum"  
Weber. Ann. di Bot. 20:327-346. D. 31, 1933.  
no. 2.

Ann. Mus. Colon. Marseille (410.9M35)

Motte, J.

Le funori, colle d'algues japonaise. Ann.  
Mus. Colon. Marseille v. 42(V, 2) fasc. 2. 24 p.  
illus. 1934.

Ann. R. Accad. Agr. Torino (16T63)

Mattirolo, O.

Di un nuovo centro di produzione del tartufo  
bianco del Piemonte (*Tuber Magnatum Pico*) in  
Istria. Ann. R. Accad. Agr. Torino 75(1932):  
29-45. 1933.

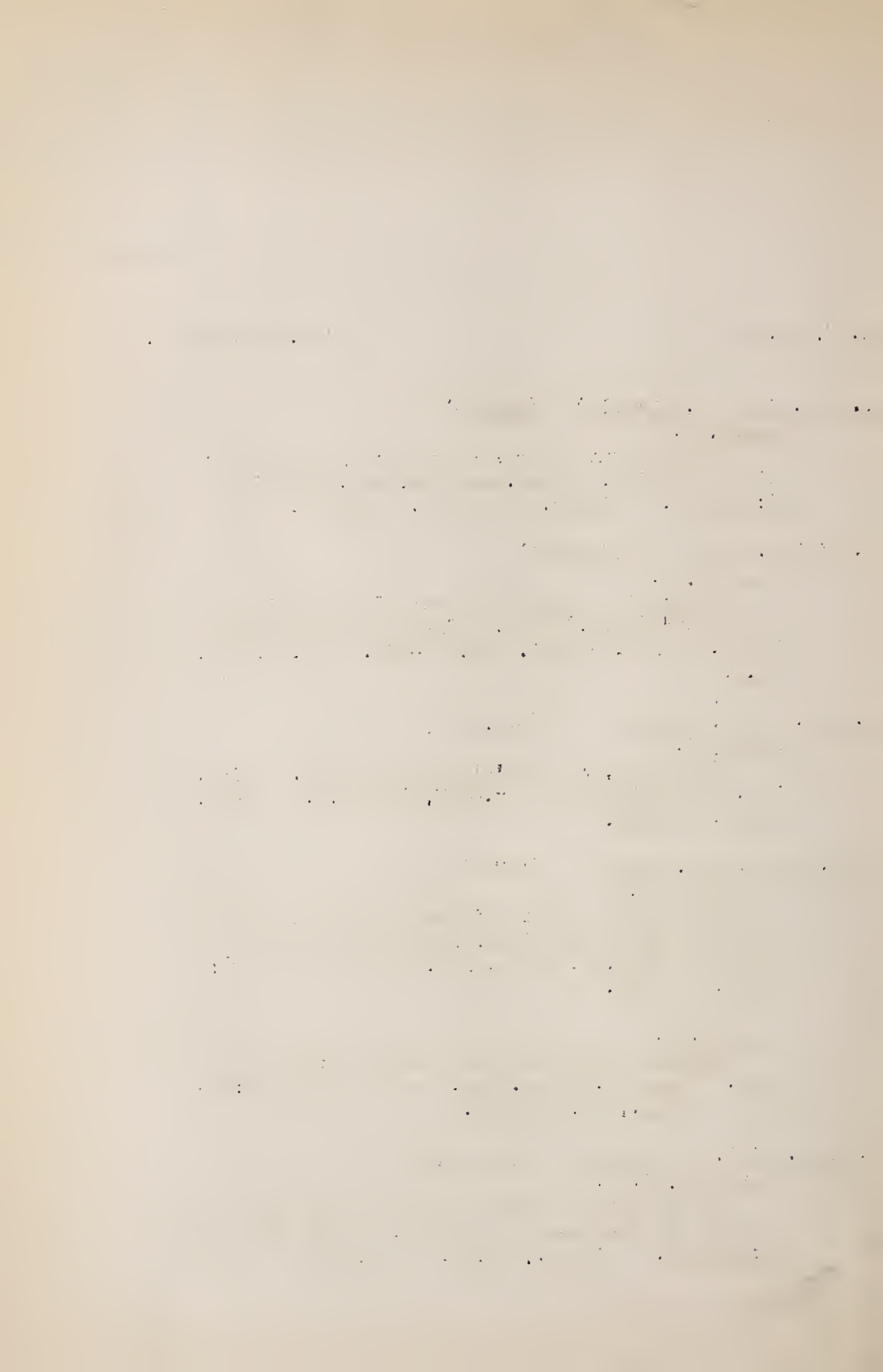
Voglino, P.

Ricerche sulla fusariosi degli astri della  
Cina. Ann. R. Accad. Agr. Torino 75(1932):53-  
70. illus., pl. 1933.

Ann. Appl. Biol. (London) (442.8An72)

Brenchley, W. E.

The effect of rubidium sulphate and palladium  
chloride on the growth of plants. Ann. Appl. Biol.  
21:398-417. illus., pl. xx. Ag. 1934. no. 3.



Ann. Appl. Biol. (cont.)

Brierley, W. B.

Some viewpoints of an applied biologist.

Ann. Appl. Biol. 21:351-378. Ag.1934. no.3.

Davies, W.

Grassland experiments in Mid-Wales; the Cilmerly Park experiments. Ann. Appl. Biol. 21:379-397. pl.xix. Ag.1934. no.3.

Norman, A. G.

The biological decomposition of plant materials. IX. The aerobic decomposition of hemicelluloses. Ann. Appl. Biol. 21:454-475. Ag.1934. no.3.

Robson, W. S.

The seedling characters of some cultivated Brassicae. Ann. Appl. Biol. 21:418-429. pl.xxi-xxii. Ag.1934. no.3.

Sheffield, F. M. L.

Experiments bearing on the nature of intracellular inclusions in plant virus diseases. Ann. Appl. Biol. 21:430-453. pl.xxiii-xxv. Ag.1934. no.3.

Ann. Bot. (London) (450An7)

Benson, M.

Note on the "spores" of *Schuetzia bennieana* (Kidston). Ann. Bot. 48:819-820. illus. Jl.1934. no.191.

Catcheside, D. G.

The chromosomal relationships in the swede and turnip groups of Brassica. Ann. Bot. 48:601-633. illus. Jl.1934. no.191.

Chapman, R. E.

The composition of the salts on the leaves of some desert plants. Ann. Bot. 48:777-780. Jl. 1934. no.191.

*Reaumuria hirtella*, *Tamarix arborea*, *Cressa cretica*.

Chesters, C. G. C.

Three methods of using cotton blue as mycological stain. Ann. Bot. 48:820-822. Jl.1934. no.191.

Dickson, H.

Studies in *Coprinus sphaerosporus*. I. The pairing behaviour and the characteristics of various haploid and diploid strains. Ann. Bot. 48:527-547. illus., pl.xi. Jl.1934. no.191.

April 1944

Dear Mr. [Name],

I have received your letter of the 15th and am glad to hear from you. I am sorry that I cannot give you a more definite answer at this time, but I am sure that you will understand my position.

I have discussed this matter with the appropriate authorities and we are working to resolve the outstanding issues as quickly as possible. Your patience is appreciated.

I will contact you again once a final decision has been reached. Thank you for your understanding.

Sincerely,  
 [Name]

Ann. Bot. (cont.)

Drew, K. M.

Contributions to the cytology of *Spermothamnion turneri* (Mert.) Aresch. Ann. Bot. 48:549-573. illus., pl.xii-xiii. Jl.1934. no.191.

Gould, S. A., Pearl, R., Edwards, T. I. & Miner, J. R.

On the effects of partial removal of the cotyledons upon the growth and duration of life of cante-loup seedlings without exogenous food. Ann. Bot. 48:575-599. illus. Jl.1934. no.191.

Naylor, G. L. & Russell-Well, B.

On the presence of cellulose and its distribution in the cell-walls of brown and red algae. Ann. Bot. 48:635-641. illus. Jl.1934. no.191.

Saunders, E. R.

On carpel polymorphism. VI. Ann. Bot. 48:643-692. illus. Jl.1934. no.191.

Schafer, B. & La Cour, L.

A chromosome survey of *Aconitum*. I. Ann. Bot. 48:693-713. illus. Jl.1934. no.191.

Seward, A. C. & Conway, V.

A phytogeographical problem: Fossil plants from the Kerguelen Archipelago. Ann. Bot. 48:715-741. illus., pl.xiv-xv. Jl.1934. no.191.

Smyth, E. S.

A contribution to the physiology and ecology of *Peltigera canina* and *P. polydactyla*. Ann. Bot. 48:781-818. illus. Jl.1934. no.191.

Warington, K.

Studies in the absorption of calcium from nutrient solutions with special reference to the presence or absence of boron. Ann. Bot. 48:743-776. Jl.1934. no.191.

Experiments with *Vicia faba*.

Ann. Rep. Dept. Agr. Mauritius. (24M443A)

Mauritius. Dept. of agriculture

Botanical division. In its Ann. Rep. 1932: 32-38. 1933.

E.F.S.Shepherd, botanist and mycologist.

Ann. Rep. Tea Res. Inst. Ceylon (68.19C33)

Tea research institute, Ceylon

Report of the mycologist for 1933. In its Ann. Rep. 1933(Bull. 11):20-25. [1934]

C.H.Gadd, mycologist.



Ber. Bayer. Bot. Ges.-Erforsch. Heim. Flora (München) (451B34B)  
Suessenguth, K.

Neue beobachtungen über die phanerogamen- und  
gefässkryptogamenflora von Bayern. VII. Ber.  
Bayer. Bot. Ges.-Erforsch. Heim. Flora 21:1-60.  
1934.

p.58-60: Nova Hieracina bavarica von H.Schach.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Beger, H.

Gustav Hegi. Ber. Deut. Bot. Ges. 51:201-  
207. Je.13,1934.

Harms, H.

Rudolf Marloth. Ber. Deut. Bot. Ges. 51:  
220-230. port. Je.13,1934.

Hoffmann, C.

Wilhelm Nienburg. Ber. Deut. Bot. Ges. 51:  
231-245. port. Je.13,1934.

Klebahn, H.

Wilhelm Olbers Focke. Ber. Deut. Bot. Ges.  
51:128-156. port. Je.13,1934.

Knoll, F.

Karl Fritsch. Ber. Deut. Bot. Ges. 51:157-  
184. port. Je.13,1934.

Kolbe, R. W.

Sergei Kostytschew. Ber. Deut. Bot. Ges.  
51:208-219. port. Je.13,1934.

Leisering, B.

Carl Steinbrinck. Ber. Deut. Bot. Ges.  
51:246-257. port. Je.13,1934.

Mildbraed, J.

Walter Busse. Ber. Deut. Bot. Ges. 51:61-71.  
port. Je.13,1934.

Senn, G.

Hermann Christ-Socine. 12. Dezember 1833 bis  
23. November 1933. Ber. Deut. Bot. Ges. 51:72-  
95. port. Je.13,1934.

Tobler, F.

Oscar Drude. Ber. Deut. Bot. Ges. 51:96-127.  
ports. Je.13,1934.

Weisse, A.

Paul Graebner. Ber. Deut. Bot. Ges. 51:185-  
200. port. Je.13,1934.

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

Biochem. Journ. (London) (382B52)

Bacharach, A. L., Cook, P. M. & Smith, E. L.

The ascorbic acid content of certain citrous fruits and some manufactured citrous products.

Biochem. Journ. 28:1038-1047. 1934. no.3.

Birkinshaw, J. H. & Raistrick, H.

Studies in the biochemistry of micro-organisms.

XXXVIII. The metabolic products of *Penicillium minio-luteum* Dierckx. *minioluteic* acid. Biochem.

Journ. 28:828-836. 1934. no.3.

Buston, H. W.

The polyuronide constituents of forage grasses.

Biochem. Journ. 28:1028-1037. 1934. no.3.

Butler, M. R.

Some properties of the polysaccharide complex extracted from a marine alga, *Chondrus crispus*.

Biochem. Journ. 28:759-769. 1934. no.3.

Channon, H. J. & Foster, C. A. M.

The phosphatides of the wheat germ. Biochem.

Journ. 28:853-864. 1934. no.3.

Clark, A. & Waters, R. B.

The presence of a sapotoxin in *Xanthosoma atrovirens*, a tropical food-tuber. Biochem.

Journ. 28:1131-1134. 1934. no.3.

Tanniatoxin - name suggested for a highly poisonous acid sapotoxin.

Richter, D.

The action of inhibitors on the catechol oxidase of potatoes. Biochem. Journ. 28:901-

908. 1934. no.3.

Biochem. Zeitschr. (Berlin) (384B522)

Virtanen, A. I., Hausen, S. v. & Saastomoinen, S.

Die entwicklung des follikelhormons auf das blühen der pflanzen. Biochem. Zeitschr. 272:

32-35. illus. J1.23, 1934.



- Blue Anchor (Sacramento) (286.83B62)  
Pentzer, W. T. & Asbury, C. E.  
Sulphur dioxide as an acid in the preservation of  
grapes in transit and storage. Blue Anchor 11(8):  
2-4, 23. illus. Ag.1934.
- Blumen u. Pflanzenb. Vereinigt Gartenw. Berlin. (80G196)  
Pape, H.  
Die botrytiskrankheit der lilien. (concl.)  
Blumen u. Pflanzenb. Vereinigt Gartenw. 38:387.  
Jl.27,1934. no.30.
- Boll. R. Staz. Patol. Veg. Roma (Firenze) (464.9R662)  
Biraghi, A.  
Sul significato biologico dei presunti ap-  
pressori nel gen. Gloeosporium. Boll. R. Staz.  
Patol. Veg. Roma. n.s. 14:202-210. illus. 1934.  
no.2.  
Brief English summary.
- Biraghi, A.  
Variazioni in due ceppi di Gloeosporium olivarum  
Alm. di provenienze diverse. Boll. R. Staz. Patol.  
Veg. Roma n.s. 14:223-253. illus. 1934. no.2.  
Brief English summary.
- Breazzano, A.  
Alcune osservazioni sulle decisioni prese dalla  
riunione di esperti tenutasi in Berlino nel 1930 per  
la discussione dei metodi di analisi tossimetrica  
delle sostanze conservatrici del legno. Boll. R.  
Staz. Patol. Veg. Roma n.s. 14:185-201. 1934.  
no.2.  
English summary.
- Gigante, R.  
Fenditure di origine non parassitaria nei  
tralci della vite. Boll. R. Staz. Patol. Veg.  
Roma n.s. 14:211-222. illus. 1934. no.2.  
Brief English summary.
- Gigante, R.  
La maculatura grigia interna dei tuberi di  
patata. Boll. R. Staz. Patol. Veg. Roma n.s.  
14:256-267. illus. 1934. no.2.
- Goidanich, G.  
La verticilliosi dell'*Acer platanoides* L.,  
dell'*Acer pseudoplatanus* L. e della *Maclura*  
*aurantiaca* L. Boll. R. Staz. Patol. Veg. Roma  
n.s. 14:268-272. illus. 1934. no.2.  
Brief English summary.



Boll. R. Staz. Patol. Veg. Roma (cont.)

Petri, L.

Micropressa per l'estrazione di succhi da tessuti freschi. Boll. R. Staz. Patol. Veg. Roma n.s. 14:254-255. illus. 1934. no.2.

Petri, L.

Sull'arricciamento (court-noué) della vite. Boll. R. Staz. Patol. Veg. Roma n.s. 14:273-278. 1934. no.2.

English summary.

Bot. Mus. Leaflet. Harvard Univ. (451H262)

Darrah, W. C.

Leo Lesquereux. Bot. Mus. Leaflet. Harvard Univ. 2:113-119. Ag.10,1934. no.10.

Botaniste (Paris) (450B657)

Chow, C. H.

Contribution à l'étude du développement des coprins. Botaniste 26:89-234. illus., pl. ix-xx. Ap.1934. no.2.

Dangeard, P.

Les caractères du vacuome dans les grains de pollen et dans les tubes polliniques. Botaniste 26:235-238. pl.xxi. My.1934. no.3.

Dangeard, P. A.

Mémoire sur l'Apistonema submarinum sp. nov. et considérations générales sur la structure des protozoaires et des protophytes. Botaniste 26:261-344. illus., pl.xxv-xxviii. My.1934. no.3.

Dangeard, P.

Sur quelques algues marines nouvelles ou rares en France. Botaniste 26:241-258. pl.xxii-xxiv. My.1934. no.3.

Kühner, R.

Observations sur la localisation cytologique des substances colorées chez les agarics et les bolets. Botaniste 26:347-369. My.1934. no.3.

Raymond, J. R.

Contribution à la connaissance cytologique des ascomycètes. Botaniste 26:371-537. illus., pl.xxix-xlii. Je.1934. no.4/5.



Botaniste (cont.)

Wang, D. T.

Contribution à l'étude des ustilaginées  
(Cytologie du parasite et pathologie de la cellule  
hôte). Botaniste 26:539-670. illus., pl.xliiii-  
liv. Je.1934. no.4/5.

Bull. Dept. Agr. Kenya (Nairobi) (24Ea72)

Kenya department of agriculture. Coffee berry disease  
committee.

Report of committee on coffee berry disease.

Bull. Dept. Agr. Kenya 3. 20 p. 1934.

Part A is based on the report of Mr. H. B.  
Wilkinson, covering the period from 1st January,  
1933, to 24th April, 1934.

Trench, A. D.

Preliminary observations on coffee roots in  
Kenya. Bull. Dept. Agr. Kenya 2. 10 p.  
illus. 1934.

Bull. Dept. Agr. Nyasaland Prot. (24N98)

Barker, F.

The rices of northern Nyasaland. Bull. Dept.  
Agr. Nyasaland Prot. 12, 15 p. 6 pl. F.1934.

Bull. Imp. For. Exp. Stat. Tokyo (J99.8R47)

Kawada, M.

Plant indicators relating to silviculture in  
Japan. Bull. Imp. For. Exp. Sta. Tokyo 33(App.):  
5-7. D.1933.

Kitajima, K.

Laboratory tests on the durability of Japanese  
coniferous wood used in structural service against  
various species of wood-rotting fungi. Bull.  
Imp. For. Exp. Stat. Tokyo 33:49-102. 2 pl.  
D.1933.

Japanese with English résumé: p.100-102.

Ohseko, M.

Plant succession in relation to the "genya"  
(natural grass-land) management in Japan. Bull.  
Imp. For. Exp. Stat. Tokyo 33(Appl.):9-11. D. 1933.

Shibamoto, T.

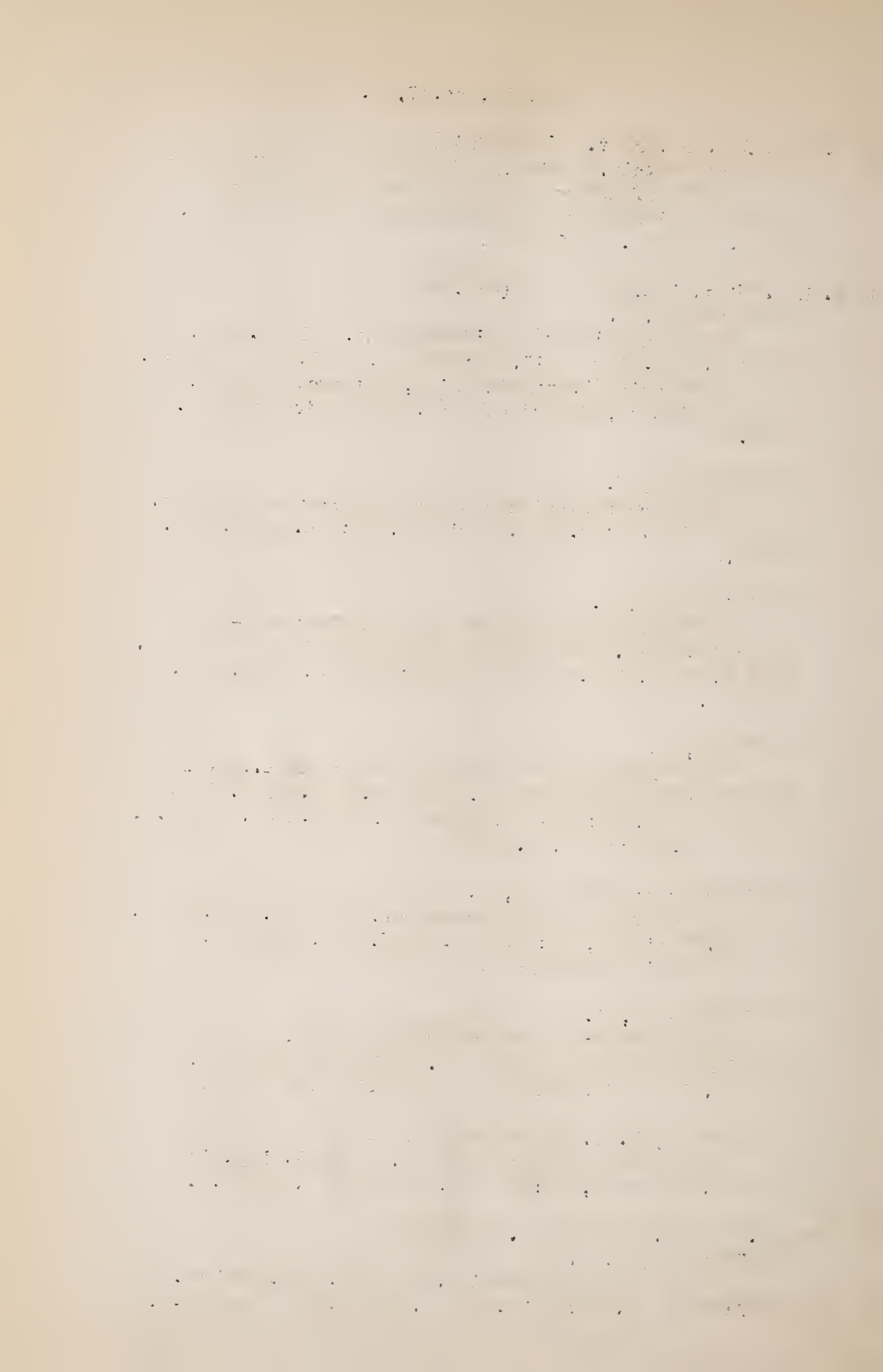
Studies on the mineral nutrient requirements  
of sugi, hinoki and akamatsu. First report. Bull.  
Imp. For. Exp. Stat. Tokyo. 33:1-21. D.1933.

Japanese with English summary: p.20-21.

Sugi (*Cryptomeria japonica*), hinoki (*Chamaecy-  
paris obtusa*), akamatsu (*Pinus densiflora*).



- Bull. Min. Agr. Gt. Brit. (10G794B)  
Great Britain. Ministry of agriculture & fisheries  
Specifications and methods of analysis for  
certain insecticides and fungicides. Its Bull.  
82. 10 p. Jl.1934.
- Bull. Mus. Hist. Nat. Paris (410.9P213)  
Gagnepain, F.  
Les aspidistrées d'Indo-Chine. Bull. Mus.  
Hist. Nat. Paris II, 6:189-192. F.1934. no.2.  
Colania (C. tonkinensis), Antherolophus (A.  
glandulosus), Evrardiella (E. dodecandra) n. gen.,  
n. spp.
- Gagnepain, F.  
Quelques plantes des ilots de la mer de Chine.  
Bull. Mus. Hist. Nat. Paris II, 6:286. Ap.1934.  
no.3.
- Guillaumin, A.  
Contribution a la flore de la Nouvelle-Calé-  
donie. LXII. Plantes de collecteurs divers. Bull.  
Mus. Hist. Nat. Paris II, 6:198-203. F.1934.  
no.2.
- Jovet, P.  
Deux espèces nouvelles de *Mitreola* L., genre  
nouveau pour Madagascar. Bull. Mus. Hist. Nat.  
Paris II, 6:291-301. illus. Ap.1934. no.3.  
*M. perrieri*, *M. turgida*.
- Perrier de la Bathie, H.  
Les vanilles de Madagascar. Bull. Mus. Hist.  
Nat. Paris II, 6:193-197. F.1934. no.2.  
*Vanilla decaryana*.
- Pruvot-Fol, A.  
Sur le nom de genre *Fritillaria* H. Fol  
(Question de nomenclature). Bull. Mus. Hist.  
Nat. Paris II, 6:184-185. F.1934. no.2.
- Tardieu, M. L. & Christensen, C.  
Les fougères d'Indochine. Bull. Mus. Hist.  
Nat. Paris II, 6:287-290. Ap.1934. no.3.
- Bull. Pop. Inform. Arnold Arb. (99.9Ar6B)  
Whitaker, T. W.  
The shrubby *Robinias*. Bull. Pop. Inform.  
Arnold Arb. 2:25-28. pl. Ag.9,1934. no.6.



Bull. Shizuok, Agr. Exp. Sta. (J107.6Sh6B)  
Noro, K. & Yago, M.

Studies on sterility of the Japanese pear  
Chojure, with special reference to hand pollination,  
dehiscence of anthers and visiting insects. Bull.  
Shizuok. Agr. Exp. Stat. 29. 13 p. Ja.1934.  
Brief English summary.

Cactus (Mont St. Amad, Belg.) (450C112)  
Backeberg, C.

Le genre Parodia. Cactus (Mont St. Amad,  
Belg.) 4:54-58. illus. Ag.1934. no.4.

Calif. Citrogr. (Los Angeles) (80C125)  
Gandhi, S. R.

Cultivation of citrus fruits in India. I.  
Calif. Citrogr. 19:303. illus.(map) S.1934.  
no.11.

Shamel, A. D. & Pomeroy, C. S.

Relation of foliage to fruit size in the  
Marsh grapefruit. Calif. Citrogr. 19:296,329.  
S.1934. no.11.

Cane Grow. Quart. Bull. Queensl. (65.9Q3C)  
Bell, A. F.

Disease resistance trials. Cane Grow.  
Quart. Bull. Queensl. 2:11-12. Jl.1,1934.  
no.1.

Red stripe (top rot) disease. Downy mildew.

Kerr, H. W.

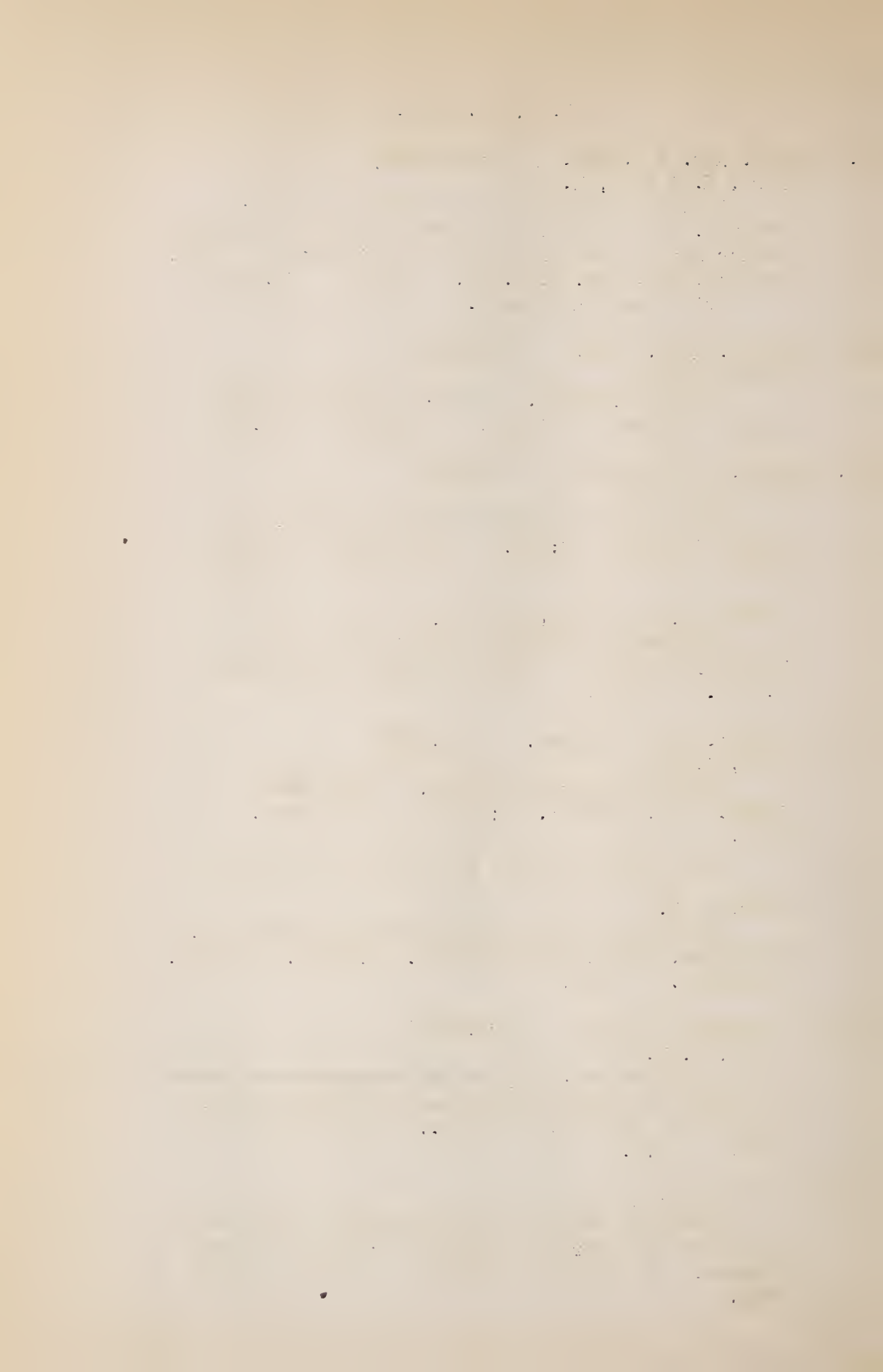
New cane varieties in the southern districts.  
Cane Grow. Quart. Bull. Queensl. 2:13-15. illus.  
Jl.1,1934. no.1.

La Cellule (Lierre, Belgium) (442.8C33)  
Hoare, C. V.

A comparative study of the chromosomes of *Scilla  
nonscripta* during somatic and meiotic mitosis.  
La Cellule 43:7-41. illus., ii pl.(fold.)  
1934. no.1.

Joyet-Lavergne, P.

Nouvelles méthodes générales pour la recherche  
du chondriome leur application à l'étude des cham-  
pignons. La Cellule 43:45-66. illus. 1934.  
no.1.



La Cellule (cont.)

Mol, W. E. d.

Drei aufeinanderfolgende jahre der mutation und modifikation bei hyazinthen, nach kaltem aufbewahren während des zellteilungsprozesses zur blütenbildung. La Cellule 43:131-146. pl. 1934. no.1.

Cereal Chem. (59.8C33)

Snider, S. R. & Coleman, D. A.

Some observations on the use of selenium and its compounds as a catalyst in the determination of protein in wheat by the Kjeldahl method.

Cereal Chem. 11:414-430. Jl.1934. no.4.

Whympers, R. & Bradley, A.

Studies on the vitality of wheat. I. Prolongation of vitality of wheat seeds. Cereal Chem.

11:349-360. Jl.1934. no.4.

Chem. & Industr. (London) (382M31)

Smith, A. M. & Dryburgh, A.

The examination of soils by means of *Aspergillus niger*. Chem. & Industr. 53:250-254. Ag.10, 1934. no.32.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Aréa Leao, A. E. de

Sur une mucose osseuse par *Acremoniella*. Nouvelle espèce de champignon trouvée chez l'homme:

*Acremoniella rugulosa* n. sp. Compt. Rend. Soc.

Biol. Paris 116:1158-1160. 1934. no.26.

Current Science (Bangalore) (475Sci23)

Anandan, M. & Krishnaswami, V.

'Barren-sterile' - A new mutant in rice and its inheritance. Current Science 3:21-23.

illus. Jl.1934. no.1.

Mehra, P. N.

Artificial culture of the male gametophyte of *Ephedra foliata* Boiss. and *Ephedra gerardiana* Wall. and a study of the number and morphology of their chromosomes. Current Science 3:11-14. illus.

Jl.1934. no.1.

Mohan Johri, B.

A note on the embryo sac of *Sagittaria sagittifolia* L. Current Science 3:17-18. illus.

Jl.1934. no.1.

Ramiah, K.

Rice research in Madras. Current Science 3:34-36. Jl.1934. no.1.



Current Science (cont.)

Sastri, B. N. & Sreenivasaya, M.

The study of plant tissue fluids. A critical review. Current Science 3:8-11. Jl.1934. no.1.

Insect transmission of spike-disease.

Current Science 3:27-28. Jl.1934. no.1.

D. N. C. Rev. Dep. Mac. Café Rio de Janeiro (286.83D44)  
Freire, C. V.

Contribuição ao estudo histológico dos cafeeiros no Brasil. D. N. C. Rev. Dep. Mac. Café Rio de Janeiro 2:987-992. illus. Jl. 1934. no.13.

Desert (Pasadena) (450D45)

Cutak, L.

Talinum calycinum from the midwest. Desert (Pasadena) 6:52-53. illus. Ag.1934. no.4.

Moran, R. V.

A crested flower. Desert (Pasadena) 6:54. illus. Ag.1934. no.4.

Opuntia basilaris.

Warner, J.

Characteristics and peculiarities of euphorbias. Desert (Pasadena) 6:55. Ag.1934. no.4.

Empire Journ. Exp. Agr. (Oxford) (10Em7)

Blackman, G. E.

The control of annual weeds in cereal crops by dilute sulphuric acid. Empire Journ. Exp. Agr. 2:213-227. Jl.1934. no.7.

Robb, W.

Oat-breeding in Scotland. Empire Journ. Exp. Agr. 2:251-257. Jl.1934. no.7.

Flor. Exch. (N. Y.) (80F666)

Young, W. J.

The pronunciation of botanical names. Flor. Exch. 83(8):13,17. Ag.25,1934.

Wyman, D.

A survey of clipped hedges as grown at Ottawa, Can. on the Dominion experimental farm. Flor. Exch. 83(7):17-18, 83(18):23,25. illus. Ag. 18,25,1934.

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

... ..

- Flor. Rev. (Chicago) (80W41)  
Jones, L. H. & Bourgeois, G. A.  
Advocate use of jardinières over pots to conserve moisture. Flor. Rev. 74(1915):10-11.  
illus. Ag.9,1934.
- Fortschr. Bot. (Berlin) (450F772)  
Bünning, E.  
Physikalisch-chemische Grundlagen der biologischen Vorgänge. (cont.) Fortschr. Bot. 3(1933):63-82. illus. 1934.
- Geitler, L.  
Morphologie und Entwicklungsgeschichte der Zelle. (cont.) Fortschr. Bot. 3(1933):1-8. 1934.
- Guttenberg, H. v.  
Wachstum und Bewegung. (cont.) Fortschr. Bot. 3(1933):190-208. 1934.
- Hirmer, M.  
Paläobotanik. (cont.) Fortschr. Bot. 3(1933):33-52. illus. 1934.
- Höfler, K.  
Zellphysiologie und Protoplasmatik. (cont.) Fortschr. Bot. 3(1933):83-94. illus. 1934.
- Huber, B.  
Wasserumsatz und Stoffbewegungen. (cont.) Fortschr. Bot. 3(1933):95-104. 1934.
- Irmscher, E.  
Systematische und genetische Pflanzengeographie. (cont.) Fortschr. Bot. 3(1933):53-62. 1934.
- Mothes, K.  
Stoffwechsel organischer Verbindungen. (cont.) Fortschr. Bot. 3(1933):129-167. 1934.
- Oehlkers, F.  
Entwicklungsphysiologie. (cont.) Fortschr. Bot. 3(1933):229-245. illus. 1934.
- Oehlkers, F.  
Vererbung. (cont.) Fortschr. Bot. 3(1933):209-228. 1934.
- Pirschke, K.  
Mineralstoffwechsel. (cont.) Fortschr. Bot. 3(1933):105-128. 1934.



Fortschr. Bot. (cont.)

Rippel, A.

Mikrobiologie des bodens. (cont.) Fortschr.  
Bot. 3(1933):168-177. 1934.

Schlösser, L. A.

Entwicklungsgeschichte und fortpflanzung. (cont.)  
Fortschr. Bot. 3(1933):22-32. 1934.

Schmucker, T.

Oekologie. (cont.) Fortschr. Bot. 3(1933):  
246-254. 1934.

Troll, W.

Morphologie, einschliesslich anatomie. (cont.)  
Fortschr. Bot. 3(1933):9-21. illus. 1934.

Walter, H.

Oekologische pflanzengeographie. (cont.)  
Fortschr. Bot. 3(1933):178-189. 1934.

Fruit World Australasia (Melbourne) (80F948)

Cunningham, G. H.

Orchard sprays. Combinations reduce expenses.  
Fruit World Australasia 35:345-348. Jl.1,1934.  
no.7.

Fish, S.

Brown rot control. Fruit World Australasia  
35:367-368. Jl.1,1934. no.7.  
Of peach and apricot, chiefly.

Gard. Chron. (London) (80G162)

Grant, W.

Flowering shrubs of outstanding merit in the  
North. Gard. Chron. III, 96:56. Jl.28,1934.  
no.2483.

Grove, A.

Lilium michiganense. Gard. Chron. III,  
96:75. illus. Ag.4,1934. no.2484.

Redgrove, H. S.

Wild flower preservation. Gard. Chron. III,  
96:58-59. Jl.28,1934. no.2483.

Ward, F. K.

Mr. F. Kingdon Ward's twelfth expedition in  
Asia. I. Gard. Chron. III, 96:76-77. illus.  
Ag.4,1934. no.2484.



Gard. Chron. (cont.)

Felicia knella. Gard. Chron. III, 96:56-57.  
Jl.28,1934. no.2483.

We have failed to find any authority for the name *F. knella*, and suggest that the plant referred to may be *F. tenella* (syn. *F. fragilis*), first introduced from South Africa in 1769. - Eds.

Gard. Illus. (London) (80G169)

Bunyard, G. N.

Colour in flag irises. Gard. Illus. 56:441-442. illus. Jl.28,1934. no.2890.

Ward, F. K.

Hunting for rock plants in high Asia. (concl.)  
Gard. Illus. 56:446-447. Jl.28,1934. no.2890.

The Assam route to Shugden Gumpa-Primulas at 18,000 feet.

Gard. Bull. Straits Settlem. (Singapore) (22.5St8)

Christensen, C. & Holttum, R. E.

The ferns of Mount Kinabalu. Gard. Bull. Straits Settlem. 7:191-324. illus., pl.51-62.  
Je.1,1934. no.3.

Gartenbauwiss. (Berlin) (80G195)

Moog, H.

Untersuchungen über die variabilität des sortentypischen blattes von *Vitis L.* Gartenbauwiss. 8:685-712. illus. Jl.25,1934. no.5.

Giorn. Riscolt. (Vercelli) (59.8G43)

Chiappelli, R.

Varietà di riso "Roma". Giorn. Riscolt. 24:125-127. illus. Je.30,1934. no.6.

Sampietro, G.

La luce bianca quale fattore di variazione sul riso. Giorn. Riscolt. 24:119-123. Je.30, 1934. no.6.

Gladiolus Rev. (Goshen, Ind.) (81Am360)

McCulloch, L.

Iye treatment for gladiolus corms. Gladiolus Rev. 11:127. Je./Ag.1934. no.6/8.

Hong Kong Nat. (410H75)

Crook, A. H.

The early herbal and the study of pharmacology.  
Hong Kong Nat. 5:112-116. Je.1934. no.2.



Hong Kong Nat. (cont.)

Herklots, G. A. C.

The flowering shrubs and trees of Hong Kong.  
V. Hong Kong Nat. 5:108-111. illus., 2 pl.  
Je.1934. no.2.

Horticulture (Boston) (80H787)

Stearns, M.

Native ferns in the garden. Horticulture  
12:288. Ag.15,1934. no.16.

Illinois Biol. Monogr. (442.9I16B)

Eddy, S.

A study of fresh-water plankton communities.  
Illinois Biol. Monogr. v.12, no.4. 93 p.  
1934. (Univ. Illinois Bull. v.31, no.45).

Industr. Saccarifera Ital. (Genova) (65.8In23)

Munerati, O.

Ancora sulla cuscuta della barbabietola.  
Industr. Saccarifera Ital. 27:315-318. illus.  
Jl.1934. no.7.

Informe Anual Com. Agr. y Comerc. Puerto Rico (8P832R)

Porto Rico. Insular experiment station

Seccion de botanica y fitopatologia. In-  
forme Anual Com. Agr. y Comerc. Puerto Rico.  
1932/53:128-144. 1934.

M. T. Cook, chief.

Intern. Bull. Plant Prot. (464.8In8)

Ljro, J. I.

Finland: The onion smut. Intern. Bull.  
Plant Prot. 8:150-151. Jl.1934. no.7.

Ital. Agr. (Milan) (16It1)

Tosti-Croce, E.

Sull'autosterilità del susino Burbank. Ital.  
Agr. 71:575-580. illus. Jl.1934. no.7.

Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) (Sofia) (451B61)

Khristov, A.

Nekolko novi rastitelni bolesti za Bŭlgariia II  
(Some plant diseases new for Bulgaria). Izv.  
Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 6:37-  
48. 1934.

Bulgarian with English summary.



Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) (cont.)

Kirilov, D. A.

Treti prinos kŭm florata na Alibotush (Dritter beitrug zur flora des Alibotuschgebirges) Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 6: 83-86. 1934.

Bulgarian.

Petkov, S.

^ Dva roda novi za vodoraslovata flora na Bŭlgariia (Deuz genres nouveaux pour la flore algologique de Bulgarie) Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 6:117-120. illus. 1934.

Bulgarian with French summary. Sphaeroplea, Schiogonium.

Radoslavov, A.

IV prinos kum parazitnata gŭbna flora na Bŭlgariia (Vierter beitrug zur flora der parasitischen pilze Bulgariens) Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 6:78-82. 1934.

Bulgarian.

Sirjaev, G.

De Lathyris nonnullis. Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 6:60-62. 1934.

L. verae, L. čelakovskyi n. spp.

Stoitchkoff, O. P.

The period of blossom bud differentiation in the yellow bellflower and kasseler reigette apples. Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 6:114-116. 1934.

Stojanoff, N., Acharoff, B. & Georgieff, T.

Materialien zur kenntnis der flora Bulgariens. Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 6:63-73. 1934.

Zakhariev, B. I.

Za estestvenitě nakhodishcha na iglolistnitě v Osogovska planina (Sur les habitats naturels des conifères dans le massif d'Ossogowo). Izv. Bŭlg. Bot. Druzh. (Bull. Soc. Bot. Bulgarie) 6:10-36. map. 1934.

Bulgarian with French summary.

Japan. Journ. Bot. (Tokyo) (450J27)

Asai, T.

Ueber das vorkommen und die bedeutung der wurzelpilze in den landpflanzen. Japan. Journ. Bot. 7:107-150. illus. Je.18,1934. no.1/2.



Japan, Journ. Bot. (cont.)

Kagawa, F. & Chizaki, Y.

Cytological studies on the genus hybrids among  
Triticum, Secale and Aegilops, and the species in  
Aegilops. Japan. Journ. Bot. 7:1-32. illus.  
Je.18,1934. no.1/2.

Morinaga, T. & Fukushima, E.

Cyto-genetical studies on *Oryza sativa* L. I.  
Studies on the haploid plant of *Oryza sativa*.  
Japan. Journ. Bot. 7:73-106. illus. Je.18,  
1934. no.1/2.

Noguchi, Y.

Metaxenia in the Japanese persimmon. Shape  
and sweetness. Japan. Journ. Bot. 7:61-71.  
illus. Je.18,1934. no.1/2.

Ohwi, J.

*Carices formosanae*. Japan. Journ. Bot. 7:  
187-206. Je.18,1934. no.1/2.

*C. apodostachya*, *C. brachyathera*, *C. hatusimana*,  
*C. trichosperma*, *C. urelytra* n. spp.

Tagawa, T.

The relation between the absorption of water by  
plant root and the concentration and nature of the  
surrounding solution. Japan. Journ. Bot. 7:33-60.  
illus. Je.18,1934. no.1/2.

Experiments with *Phaseolus vulgaris*.

Wakakawa, S.

Embryological studies on the different seed-  
development in reciprocal interspecific crosses of  
wheat. Japan. Journ. Bot. 7:151-185. illus.,  
ii pl. Je.18,1934. no.1/2.

Journ. Agr. Res. (Washington, D. C.) (1Ag84J)

Csonka, F. A. & Jones, D. B.

The cystine, tryptophane, and tyrosine content  
of the soybean. Journ. Agr. Res. 49:279-282.  
Ag.1,1934(Rec'd Ag.16). no.3.

Lachmund, H. G.

Damage to *Pinus monticola* by *Cronartium ribi-*  
*cola* at Garibaldi, British Columbia. Journ. Agr.  
Res. 49:239-249. illus. Ag.1,1934(Rec'd Ag.16)  
no.3.



Journ. Agr. Res. (cont.)

Lachmund, H. G.

Seasonal development of *Ribes* in relation to spread of *Cronartium ribicola* in the Pacific Northwest. Journ. Agr. Res. 49:93-114. illus.(map) Jl.15,1934(Rec'd Ag.13). no.2.

Pierce, W. H.

Resistance to common bean mosaic in the great northern field bean. Journ. Agr. Res. 49:183-188. illus. Jl.15,1934(Rec'd Ag.13). no.2.

Rands, R. D. & Dopp, E.

Variability in *Pythium arrhenomanes* in relation to root rot of sugarcane and corn. Journ. Agr. Res. 49:189-221. illus. Ag.1,1934(Rec'd Ag.16). no.3.

Richards, L. A. & Blood, H. L.

Some improvements in auto-irrigator apparatus. Journ. Agr. Res. 49:115-121. illus. Jl.15, 1934(Rec'd Ag.13). no.2.

Schaal, L. A.

Relation of the potato flea beetle to common scab infection of potatoes. Journ. Agr. Res. 49: 251-258. illus. Ag.1,1934(Rec'd Ag.16). no.3.

Stephens, J. C. & Quinby, J. R.

Anthesis, pollination, and fertilization in sorghum. Journ. Agr. Res. 49:123-136. Jl.15, 1934(Rec'd Ag.13). no.2.

Webber, J. M.

Chromosome number and meiotic behavior in *Gossypium*. Journ. Agr. Res. 49:223-237. illus. Ag.1,1934(Rec'd Ag.16). no.3.

Journ. Amer. Soc. Agron. (Geneva, N. Y.) (4Am34P)

Brink, R. A.

The anthocyanin plant color and yield in corn. Journ. Amer. Soc. Agron. 26:697-703. Ag.1934. no.8.

Butler, O. & Bissey, R.

Effect on the growth of oats of copper sprays used for the control of mustard. Journ. Amer. Soc. Agron. 26:693-697. Ag.1934. no.8.

Garber, R. J. & Hoover, M. M.

Dehulled seed, glume color, and reaction to smut in a certain oat cross. Journ. Amer. Soc. Agron. 26:673-680. Ag.1934. no.8.



Journ. Amer. Soc. Agron. (cont.)

Peltier, G. L. & Kiesselbach, T. A.

The comparative cold resistance of spring small grains. Journ. Amer. Soc. Agron. 26:681-687. Ag.1934. no.8.

Suneson, C. A. & Peltier, G. L.

Effect of stage of seedling development upon the cold resistance of winter wheats. Journ. Amer. Soc. Agron. 26:687-692. Ag.1934. no.8.

Journ. Biol. Chem. (Baltimore) (381J824)

Hilbert, G. E. & Jansen, E. F.

A study of the absorption spectra of some carotenoid pigments at liquid air temperatures and its applications to the carotenoid pigments of cow-pea leaves (*Vigna sinensis*). Journ. Biol. Chem. 106:97-105. illus. Ag.1934. no.1.

Journ. Bombay Nat. Hist. Soc. (513B63)

Blatter, E.

Revision of the flora of the Bombay Presidency. XXIII. Cyperaceae. Journ. Bombay Nat. Hist. Soc. 37:15-35. iii pl. Ap.15,1934. no.1.

Blatter, E. & Fernandez, J.

The flora of Waziristan. III. Journ. Bombay Nat. Hist. Soc. 37:150-171. pl.iv-v. Ap.15, 1934. no.1.

Blatter, E. & Millard, W. S.

Some beautiful Indian trees. XIV. Journ. Bombay Nat. Hist. Soc. 37:36-37. illus., pl. xxii-xxiii (1 col.) Ap.15,1934. no.1.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)

Clarke, G. H.

Important weeds of South Australia. 6. Stinkwort, *Inula graveolens*, Desf. Journ. Dept. Agr. So. Australia 37:1443-1446. illus., col.pl. Je.15,1934. no.11.

Hutton, E. M.

The important pasture plants of South Australia, considered as to their identification and characteristics. I-II. Journ. Dept. Agr. So. Australia 37:1400-1403. illus. Je.15,1934. no.11.

I. The rye grass group or *Lolium*s. II. The Canary grass group or *Phalaris* grasses.



- Journ. Dept. Agr. Victoria (Melbourne) (23V66J)  
Miller, W. B. & Millikan, C. R.  
Investigations on flag smut of wheat caused by  
*Urocystis tritici* Koern. Journ. Dept. Agr. Victoria  
32:365-380. illus. Jl.1934. no.7.
- Journ. Econ. Entom. (Geneva, N. Y.) (42LJ822)  
Jacot, A. P.  
Acarina as possible vectors of the Dutch elm  
disease. Journ. Econ. Entom. 27:858-859. Ag.  
1934. no.4.
- Journ. Fac. Sci. Imp. Univ. Tokyo Sect. III, Bot. (513T571B)  
Watari, S.  
Anatomical studies on some leguminous leaves  
with special reference to the vascular system in  
petioles and rachises. Journ. Fac. Sci. Imp.  
Univ. Tokyo Sect. III, Bot. v.4, no.3. 365 p.  
illus., viii pl. Mr.20,1934.
- Journ. Hort. Assoc. Japan (J87H78)  
Asano, M.  
Some contrivances for ready determination of  
leaf area in pear tree. Journ. Hort. Assoc.  
Japan 5:133-138. Jl.1934. no.1.  
Japanese.
- Eguchi, T.  
Effects of the relative length of day and  
night before and after bud differentiation on  
formation and development of flower bud in the  
Victoria strawberry. Journ. Hort. Assoc. Japan  
5:42-62. illus. Jl.1934. no.1.  
Japanese.
- Fujimura, J. & Yasuda, R.  
Studies on root systems of fruit trees grown  
in the sand soil. Journ. Hort. Assoc. Japan  
5:69-101. illus., 2 pl. Jl.1934. no.1.  
Japanese.
- Inoue, Y.  
Some studies on an anomalous type of flower  
in the Fuyu persimmon. Journ. Hort. Assoc.  
Japan 5:63-68. illus. Jl.1934. no.1.  
Japanese.
- Kadiura, M. & Kawara, K.  
Studies on the fruit splitting of Japanese  
persimmons. Journ. Hort. Assoc. Japan 5:129-  
132. Jl.1934. no.1.  
Japanese.



Journ. Hort. Assoc. Japan (cont.)

Kumazawa, S.

Studies on manipulations of pollination in vegetable fruit crops. Journ. Hort. Assoc.

Japan 5:102-104. Jl.1934. no.1.

Japanese.

Matsuda, O.

On the garden plants in the age of Manryo.

Journ. Hort. Assoc. Japan 5:110-118. Jl.1934.

no.1.

Japanese.

Matsumoto, K.

Studies on the respiration of some fruits during their growing period. Journ. Hort. Assoc.

Japan 5:13-19. Jl.1934. no.1.

Japanese.

Niinu, H. & Kadiura, M.

Relation of time of thinning to fruit size, June drop and yields of peaches. Journ. Hort.

Assoc. Japan 5:34-41. Jl.1934. no.1.

Japanese.

Oinoue, Y.

Teneur en sucre dans les raisins nés sur les rameaux effeuillés à différents degrés et l'inclinaison de concentration des hydrates de carbone facilement hydrolisables dans ces rameaux. Journ. Hort. Assoc. Japan 5:20-27. Jl.1934. no.1.

Japanese with French résumé.

Shima, Z.

Lateral fruit bud formation of the Jonathan apple influenced by pruning. Journ. Hort. Assoc.

Japan 5:1-7. Jl.1934. no.1.

Japanese.

Shima, Z.

Relation between the pollination and the stigmatic infection of the apple young fruit rot fungus (*Sclerotinia mali* Takahashi). Journ. Hort. Assoc. Japan 5:8-12. Jl.1934. no.1.

Japanese.

Shisa, M.

The optimum reaction of germination media for different pollen. Journ. Hort. Assoc. Japan 5:105-109. Jl.1934. no.1.

Japanese.



Journ. Indian Bot. Soc. (Madras) (450J821)

Datta, S.

Embryological and cytological studies in  
*Nolana atriplicifolia* and *Nolana prostrata*.

Journ. Indian Bot. Soc. 12:131-152. iv. pl.  
Ap.1933. no.2.

Gupta, K. M.

On the structure of a new species of Indian  
moss, *Physcomitrellopsis indica*, Dixon, sp. nov.  
from Benares. Journ. Indian Bot. Soc. 12:122-

128. v. pl. Ap.1933. no.2.

Joshi, A. C.

Megaspore formation and embryo-sac of  
*Argemone mexicana*, Linn. Journ. Indian Bot.

Soc. 12:83-91. illus., pl. Ap.1933. no.2.

Maheshwari, P.

Notes on staining with iron-alum haematoxylin.

Journ. Indian Bot. Soc. 12:129-130. Ap.1933.  
no.2.

Mahju, N. A.

A contribution to our knowledge of Indian  
coprophilous fungi. Journ. Indian Bot. Soc.

12:153-164. ii pl. Ap.1933. no.2.

Malhotra, R. C.

Changes in plants during low temperatures. II.

Is hardiness inherited in *Pyrus malus*? Journ.

Indian Bot. Soc. 12:183-187. iii pl. Ap.1933.  
no.2.

Mullan, D. P.

Observations on the biology and physiological  
anatomy of some Indian halophytes. II. Journ.

Indian Bot. Soc. 12:165-182. x pl. Ap.1933.  
no.2.

Pande, S. K.

On the morphology of *Riccia robusta*, Kashyap.

Journ. Indian Bot. Soc. 12:110-121. illus.,

iii pl. Ap.1933. no.2.

Sahni, B.

Explosive fruits in *Viscum japonicum*, Thurb.

Journ. Indian Bot. Soc. 12:96-101. illus.

Ap.1933. no.2.



Journ. Indian Bot. Soc. (Madras) (cont.)

Saran, A. B.

Some observations on the flowers of *Erythrina indica*, Lam. Journ. Indian Bot. Soc. 12:92-95.  
pl. Ap.1933. no.2.

Singh, H. D.

A contribution to our knowledge of the algal flora of Lahore soils. Journ. Indian Bot. Soc. 12:102-109. Ap.1933. no.2.

Sinha, B. N.

Observations in short-cut to nectary in *Cestrum fasciculatum*, Mirs. Journ. Indian Bot. Soc. 12:77-82. ii pl. Ap.1933. no.2.

Journ. Landw. (Berlin) (18J825)

Loo, W. v. d.

Die bodenlösung als nährsubstrat der pflanze. Journ. Landw. 82:137-172. 1934. no.2.

Journ. Malay. Br. Roy. Asiatic Soc. (513Si6)

Edwards, W. N.

Triassic wood from the Malay states. Journ. Malay. Br. Roy. Asiatic Soc. 11:236-241. illus., pl.xi-xii. D.1933. no.2.

Hamilton, A. W.

A Malay garden. Journ. Malay. Br. Roy. Asiatic Soc. 11:139-141. D.1933. no.2.

Botanical determinations by R. E. Holttun, arranged under Malayan names.

Journ. N. Y. Bot. Gard. (89N48J)

Dodge, B. O.

Controlling the hollyhock rust. Journ. N. Y. Bot. Gard. 35:186-189. illus. Ag.1934. no.416.

Howe, M. A.

Nathaniel Lord Britton, 1859-1934. Journ. N. Y. Bot. Gard. 35:169-180. port. Ag.1934. no.416.

Small, J. K.

Do cycads branch? Journ. N. Y. Bot. Gard. 35:180-184. illus. Ag.1934. no.416.

"We have found three of the four Florida species to be branched, rather frequently," *Zamia integrifolia*, *Z. umbrosa*, & *Z. silvicola*. All three grow in regions frequently fire-swept.



Journ. S. E. Agr. Coll. Wye (103W97J)

Goodwin, W., Martin, H., Salmon, E. S. & Ware, W. M.  
The control of apple scab: Allington pippin and  
Newton Wonder, 1933. Journ. S. E. Agr. Coll. Wye  
34:136-144. Jl.1934.

Harrison, R. M.

Weed survey of the college farms, 1933.  
Journ. S. E. Agr. Coll. Wye 34:216-226. Jl.  
1934.

Hooper, C. H.

Apples, the relative order of flowering of the  
different varieties and its bearing on cross-ferti-  
lization. Journ. S. E. Agr. Coll. Wye 34:210-  
215. Jl.1934.

Martin, H., Salmon, E. S. & Ware, W. M.

Spraying experiments against pear scab.  
Journ. S. E. Agr. Coll. Wye 34:145-154. illus.  
Jl.1934.

Salmon, E. S. & Ware, W. M.

The downy mildew of the hop in 1933. Journ.  
S. E. Agr. Coll. Wye 34:107-113. Jl.1934.

Salmon, E. S.

Two new hops: "Brewer's favourite" and  
"Brewer's gold". Journ. S. E. Agr. Coll. Wye  
34:93-106. illus. Jl.1934.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Baum, H.

Kakteen am heimatlichen standort. 2-4. Kakteenk.  
Deut. Kakteen-Ges. 1934:157-158. Ag.1934. no.8.  
2. Cañon bei St. Vicente in der nähe von Jaumave,  
Tan, 3. Obregonia denegrii Frič. 4. Echinocereus  
leptacanthus K. Schum.

Bödeker, F.

Ueber Mammillaria formosa (Gal.) Scheidw.  
Kakteenk. Deut. Kakteen-Ges. 1934:146-147.  
Ag.1934. no.8.

Werdermann, E.

Drei lobivien aus Argentinien. Kakteenk.  
Deut. Kakteen-Ges. 1934:141-145. illus. Ag.  
1934. no.8.

Echinopsis(Lobivia)hamatispina, E. densispina,  
E. scoparia.



Kosmos (Stuttgart) (474X842)

Litzelmann, E.

Die entdeckung der heimat: blumen, die am waldrand blühen. Kosmos 31:261-267. illus. Ag.1934. no.8.

Möbius, M.

Die entdeckung des befruchtungsvorgangs bei den pflanzen. Kosmos 31:270-272. Ag.1934. no.8.

Sommerkamp, W.

Die schartigkeit von roggenähren und ihre ursachen. Kosmos 31:269-270. illus. Ag. 1934. no.8.

Landbouw, Nederl.-Indië (Buitenzorg) (22.5L23)

Wellensiek, S. J.

Over jarowisatie of vernalisatie. (On iarovization or vernalization). Landbouw, Nederl.-Indië 9:537-544. My.1934. no.11.

Brief English summary.

Medd. Norsk. Skogforsøks. (99.9N833)

Ording, A.

Om nye metoder og hjelpemidler ved pollenanalytiske undersøkelser. (On new methods and facilities concerning pollenanalytical investigations). Medd. Norske Skogforsøks. 5:161-196. 1934.

English summary: p.184-194.

Metr. Žem. Ukio Akad. Dotnava (106D74)

Brundza, K.

Medžiaga Lietuvos erysiphacejoms pažinti.

Metr. Žem. Ukio Akad. Dotnava 1933:107-197.

ii pl., fold. tab. 1934.

Verzeichnis der Nährpflanzen: p.178-186.

German summary: p.187-195.

Klivedčka, J.

Varpiniu žolių (Gramineae) žydėjimo eiga dienos metu vidurinėje Lietuvoje. (The course of the flowering of the grasses during night and day in the middle Lithuania). Metr. Žem. Ukio Akad. Dotnava 1933: 215-221. 1934.

English summary: p.216.

Povilaitis, B.

Brantai (Cuscuta sp.) mūsų dobiluose ir linuose.

Metr. Žem. Ukio Akad. Dotnava 1933:198-214. illus. (maps) 1934.

German summary: p.214.



Moller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Frič, A. V.

Die benennung der kakteen. I. Möller's  
Deut. Gärtn.-Zeit. 49:238-239. J1.21,1934.  
no.20.

Gleisberg, J.

Bekämpfung der Septoria-blattfleckenkrankheit  
des sellerie. Möller's Deut. Gärtn.-Zeit. 49:  
230-231. J1.21,1934. no.20.

Nicolai, W.

Orchideen-hybridisation. Grundsätzliches zur  
gewinnung neuer orchideen-formen. Möller's Deut.  
Gärtn.-Zeit. 49:231-232. illus. J1.21,1934.  
no.20.

Assimilation der lebensstoffe bei kakteen. I.  
Möller's Deut. Gärtn.-Zeit. 49:239-240. illus.  
J1.21,1934. no.20.

Nachr. Schädlingsbekämpfung (Leverkusen b. Köln a. Rh.) (464.8M112)

Boshart, K.

Die krankheiten und schädlinge der wichtigsten  
arznei- und gewürzpflanzen. (Diseases and pests  
which attack the most important medicinal plants  
and spices). Nachr. Schädlingsbekämpfung  
9:57-82. illus. Ag.1934. no.2.

Brief English summary: Anhang p.[1]

Koudelka, H.

Neue probleme in der brandpilzfrage. (New  
problems in the question of smut fungus). Nachr.  
Schädlingsbekämpfung 9:100-104. illus. Ag.1934.  
no.2.

Brief English summary: Anhang p. [3]

Oettingen, H. v.

Die perlschnur- (sklerotien-) krankheit der  
gräser. (The "string of pearls" (Sclerotia) dis-  
ease of grasses.) Nachr. Schädlingsbekämpfung  
9:86-89. Ag.1934. no.2.

English summary: Anhang p.[2]. On Phalaris  
arundinacea.

Steinberg, J.

Frühere und höhere bohnerernten durch beizung.  
(Earlier and bigger crops of beans through seed  
disinfection). Nachr. Schädlingsbekämpfung  
9:82-85. illus. Ag.1934. no.2.

English summary: Anhang p.[1-2]. Use of  
Ceresan.



Natur u. Volk (Frankfurt a. M.) (509F856)

Härdtl, H.

Erkennen und entstehen der baumgestalt.

Natur u. Volk 64:102-107. illus. Mr.1934,  
no.3.

Hennig, B.

Frühlingspilze. Das rätsel des lorchelgiftes.

Natur u. Volk 64:168-173. illus. My.1934.  
no.5.

Zilch, A.

Der grosssporige kopfschimmel. (*Mucor macro-*  
*carpus*). Natur u. Volk 64:189-190. illus.  
(cover) My.1934. no.5.

Nature (London) (472N21)

Nicol, H.

Micro-organisms and plant growth. Nature

134:218. Ag.11,1934. no.3380.

Naturforsch. (Berlin) (410N219)

Hennig, B.

Der schmarotzer-röhrling, *Boletus parasiticus*  
Bull., ein werkwürdiger pilzparasit. Naturforsch.  
11:158-160. illus. Ag.1934. no.5.

Niklitschek, A.

Die dickfüssige wasserhyazinthe (*Eichhornia*  
*crassipes*). Naturforsch. 11:165-166. illus.,  
pl.xi. Ag.1934. no.5.

Naturwissensch. (Berlin) (474N213)

Pringsheim, E. G.

Ueber die pH-grenzen einiger saprophytischer  
flagellaten. Naturwissensch. 22:510. J1.27,  
1934. no.30.

Rudloff, C. F.

Obstzüchtung. Naturwissensch. 22:501-504.  
J1.27,1934. no.30.

Naucho-Proizv. Vypusk Vses. Nauchno-Issled. Inst. Masl. Kul'tur  
(Sci. Industr. Issue All Union Inst. Sci. Res. Oil  
Cult.) (Krasnodar) (77.9K86)

Duda, G. I.

Makhorka, kak maslichnoe rastenie [*Nicotiana rus-*  
*tica* as an oil plant] Nauchno-Proizv. Vypusk Vses.  
Nauchno-Issled. Inst. Masl. Kul'tur (Sci. Industr.  
Issue All Union Inst. Sci. Res. Oil Cult.) 7:85-96.  
1934.

Russian.



Nauchno-Proizv. Vypusk Vses Nauchno-Issled. Inst. Masl. Kul'tur, etc. (cont.)

Duda, G. I.

Perilla - Perilla ocymoides L. Nauchno-Proizv. Vypusk Vses. Nauchno-Issled. Inst. Masl. Kul'tur (Sci. Industr. Issue All Union Inst. Sci. Res. Oil Cult.) 7:3-27. illus. 1934.  
Russian.

Serebria, A. I.

Nekotorye bolezni molochaia [Some diseases of Euphorbia lathyris] Nauchno-Proizv. Vypusk Vses. Nauchno-Issled. Inst. Masl. Kul'tur (Sci. Industr. Issue All Union Inst. Sci. Res. Oil Cult.) 7:79-80. 1934.

Russian. Uromycés euphorbiae, Cladopsorium sp.

Sergeeva, N. F.

Pervye vyvody selektsionnoi raboty s molochaem (Euphorbia lathyris L.) [Principal conclusions on breeding work with the milkweed (Euphorbia lathyris L.)] Nauchno-Proizv. Vypusk Vses. Nauchno-Issled. Inst. Masl. Kul'tur (Sci. Industr. Issue All Union Inst. Sci. Res. Oil Cult.) 7:65-72. illus. 1934.  
Russian.

Shutko, A. S.

Molochai - Euphorbia lathyris L. (non Georgi) Nauchno-Proizv. Vypusk Nauchno-Issled. Inst. Masl. Kul'tur (Sci. Industr. Issue All Union Inst. Sci. Res. Oil Cult.) 7:39-63. illus. 1934.  
Russian.

Umen, D. P.

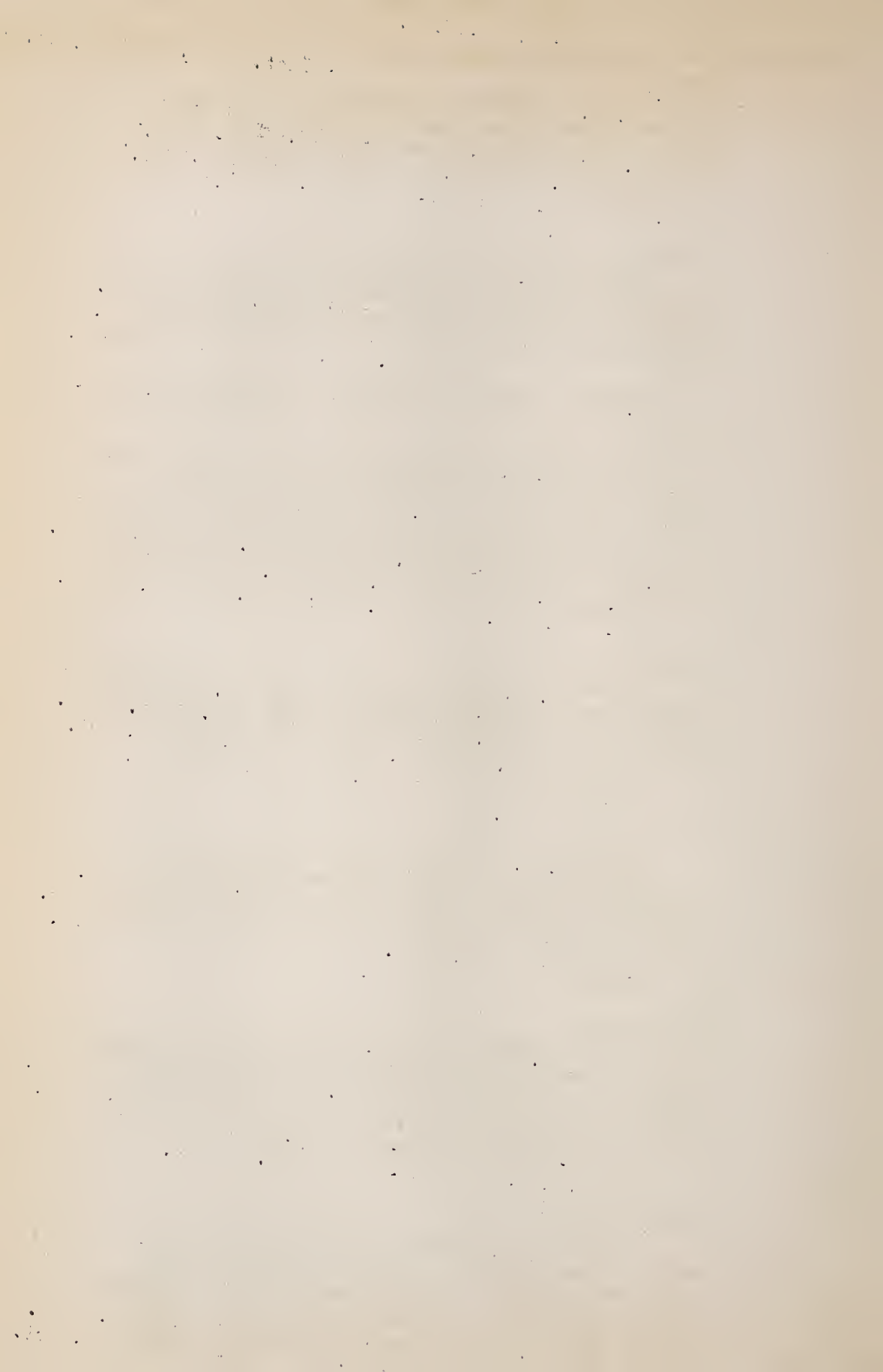
Biologiiã tsveteniiã arakhica (Biology of peanut flowering). Nauchno-Proizv. Vypusk Vses. Nauchno-Issled. Inst. Masl. Kul'tur (Sci. Industr. Issue All Union Inst. Sci. Res. Oil Cult.) no.6. 57 p. illus. 1933.  
Russian.

Umen, D. P.

Tseli i zadachi selektsionnoi raboty s perilloi [Aims and problems in breeding work with Perilla]. Nauchno-Proizv. Vypusk Vses Nauchno-Issled. Inst. Masl. Kul'tur (Sci. Industr. Issue All Union Inst. Sci. Res. Oil Cult.) 7:29-33. 1934.  
Russian.

Zhukov, N. I.

K voprosu izucheniia vliianiia zarazikhi na perillu i ee kornevoi sistemy [On the effect of Orobanche on Perilla and its root system] Nauchno-Proizv. Vypusk Vses. Nauchno-Issled. Inst. Masl. Kul'tur (Sci. Industr. Issue All Union Inst. Sci. Res. Oil Cult.) 7:35-37. illus. 1934.  
Russian.



- Northwest Fruit Grower (Wenatchee) (80W48)  
Fisher, D. F., Harley, C. P. & Brooks, C.  
The influence of temperature on the development  
of water core. Northwest Fruit Grower 6(7):5, 11.  
Jl.1934.
- North West. Nat. (Arbroath, Scotland) (410N81)  
Boydon Ridge, W. T.  
On the history of our native angiospermous  
flora. North West. Nat. 9:108-115. Je.1934.  
no.2.
- Flintoff, R. J.  
Boring apparatus of *Agropyrum repens* Beauv.  
North West. Nat. 9:159. pl.12. Je.1934.  
no.2.
- Fox, C.  
Some notable museums. X. The National museum  
of Wales. North West. Nat. 9:99-108. pl.5-10.  
Je.1934. no.2.  
The department of botany: p.103-105.
- Murray, J.  
Cumberland mosses. (cont.) North West. Nat.  
9:58-59, 161. Mr., Je.1934. no.1,2.
- Stiles, M. H.  
Kentmere diatoms. North West. Nat. 9:124-  
127. Je.1934. no.2.
- Turner, A.  
*Platanthera chlorantha* Reichb., large butterfly  
orchid in South Lancs. North West. Nat. 9:159.  
Je.1934. no.2.
- Obst- u. Gemüseb. (Berlin) (80P7750)  
Brémer, H.  
Die mehlkrankheit der zwiebeln. Obst- u.  
Gemüseb. 80:102-103. illus. Jl.15, 1934.  
no.7.
- Wauer, O.  
Der einfluss der trockenperioden auf die  
obstbäume. Obst- u. Gemüseb. 80:103-104.  
Jl.15, 1934. no.7.
- Ohio Journ. Sci. (Columbus) (4100h3)  
Braun, E. L.  
A history of Ohio's vegetation. Ohio Journ.  
Sci. 34:247-257. Jl.1934. no.4.



Orchid Rev. (Richmond, Engl.) (800r15)

Colyear, T. A.

*Cymbidium grandiflorum* var. *kalawensis*.

Orchid Rev. 42:248. Ag.1934. no.494.

From southern Shan States, Burma.

Wilson, G.

*Dendrobium orgon*. Orchid Rev. 42:242.

Ag.1934. no.494.

Hybrid between *D. moschatum* and *D. flaviflorum*.

Parfum. Mod. (Lyon, France) (308.8P412)

Gilbert, E. J.

*Osmologie mycologique*. Parfum. Mod.

28:321-327. Jl.1934. no.7.

Pflanzenbau (Berlin) (18P48)

Meyer-Hermann, K.

Erfolgreiche bekämpfung der herz- und trocken-  
fäule der rübe durch borax. Pflanzenbau 11:24-28.

Jl.1934. no.1.

Ullmann, W.

Die züchtung der kleeartigen futterpflanzen ausser-  
halb des Deutschen reiches. II. Kanada, Australien, Süd-  
und Ost-Afrika, Britisch-Indien, Frankreich, Nordafrika,  
Italien, Ägypten, Belgien, Niederlande, Schweiz, Alt-  
Oesterreich. Pflanzenbau 11:32-48. 1934. no.1.

Wacker, F. W.

Wiesen and wiesenpflanzen in Mitteldeutschland.

V. Das verhalten der pflanzen auf wiesen verschiedener  
düngung und verschiedenen nährstoffgehaltes. Pflanzen-  
bau 11:1-24. Jl.1934. no.1.

Philipp. Journ. Agr. (25P543)

Paguirigan, D. B.

Present Philippine standard varieties of tobacco.

Philipp. Journ. Agr. 5:71-85. illus. 1934.  
no.2.

Palo, M. A. & Fajardo, T. G.

Two destructive leaf diseases of celery in the  
Philippines. Philipp. Journ. Agr. 5:31-45. 3 pl.  
1934. no.2.

*Septoria apii-graveolentis*, *Cercospora apii*.

Phytopath. (464.8P56)

Doolittle, S. P. & Sumner, C. B.

Probable occurrence of Australian spotted wilt  
of tomatoes in Wisconsin. Phytopath. 24:943-946.  
illus. Ag.1934. no.8.



Phytopath. (cont.)

Guba, E. F.

Control of the Verticillium wilt of eggplant.  
Phytopath. 24:906-915. illus. Ag.1934. no.8.

Harter, L. L.

A new wilt of peas. Phytopath. 24:950-951.  
Ag.1934. no.8.

Fusarium oxysporum var. aurantiacum, F. vasinfectum var. lutulatum.

Holmes, F. O.

A masked strain of tobacco-mosaic virus.  
Phytopath. 24:845-873. illus. Ag.1934. no.8.

Levine, M.

Experimental production of crown gall on Opuntia.  
Phytopath. 24:929-937. illus. Ag.1934. no.8.

Snyder, W. C.

A leaf, stem, and pod spot of pea caused by a species of Cladosporium. Phytopath. 24:890-905.  
illus. Ag.1934. no.8.

C. pisicolum n. sp.

Sprague, R.

Preliminary note on another foot rot of wheat and oats in Oregon. Phytopath. 24:946-948.  
illus. Ag.1934. no.8.

Gibellina cerealis.

Stakman, E. C., Cassell, R. C. & Moore, M. B.

The cytology of Urocystis occulta. Phytopath. 24:874-889. illus., iii pl. Ag.1934. no.8.

Steiner, G.

Root-knot and other nematodes attacking rice and some associated weeds. Phytopath. 24:916-928. illus. Ag.1934. no.8.

Tullis, E. C.

The root-knot nematode on rice. Phytopath. 24:938-942. illus. Ag.1934. no.8.

Wellman, F. L.

Weather conditions associated with seasons of severe and slight celery early-blight epidemics in Florida. Phytopath. 24:948-950. Ag.1934. no.8.



Phytopath. Zeitschr. (Berlin) (464.8P562)

Gassner, G. & Straib, W.

Experimentelle untersuchungen zur epidemiologie des gelbrostes (*Puccinia glumarum* [Schm.] Erikss. und Henn.) Phytopath. Zeitschr. 7:285-302. 1934. no.3.

Gassner, G. & Franke, W.

Ueber den einfluss der temperatur auf stickstoffgehalt und rostresistenz junger getreidepflanzen.

Phytopath. Zeitschr. 7:315-326. 1934. no.3.

Wheat and rye.

Gassner, G. & Kirchhoff, H.

Versuche zur bekämpfung des gerstenflugbrandes.

Phytopath. Zeitschr. 7:303-314. 1934. no.3.

Gassner, G. & Kirchhoff, H.

Versuche zur bekämpfung des weizenflugbrandes mittels benetzungsbeize. II. Phytopath. Zeitschr. 7:271-284. 1934. no.3.

Hassebrauk, K.

Die bedeutung der bodenfeuchtigkeit für das verhalten von *Puccinia graminis* und *Puccinia triticina* auf verschiedenen weizensorten. Phytopath. Zeitschr. 7:259-269. 1934. no.3:

Köck, G.

Ueber die rauchgasfiltrationswirkung eines fichtenbestandes. Phytopath. Zeitschr. 7:255-258. illus. 1934. no.3.

Rischkov, V. & Zaratschewski,

Ueber die entstehung von "fern-leaf" bei tomaten.

Phytopath. Zeitschr. 7:231-244. illus. 1934. no.3.

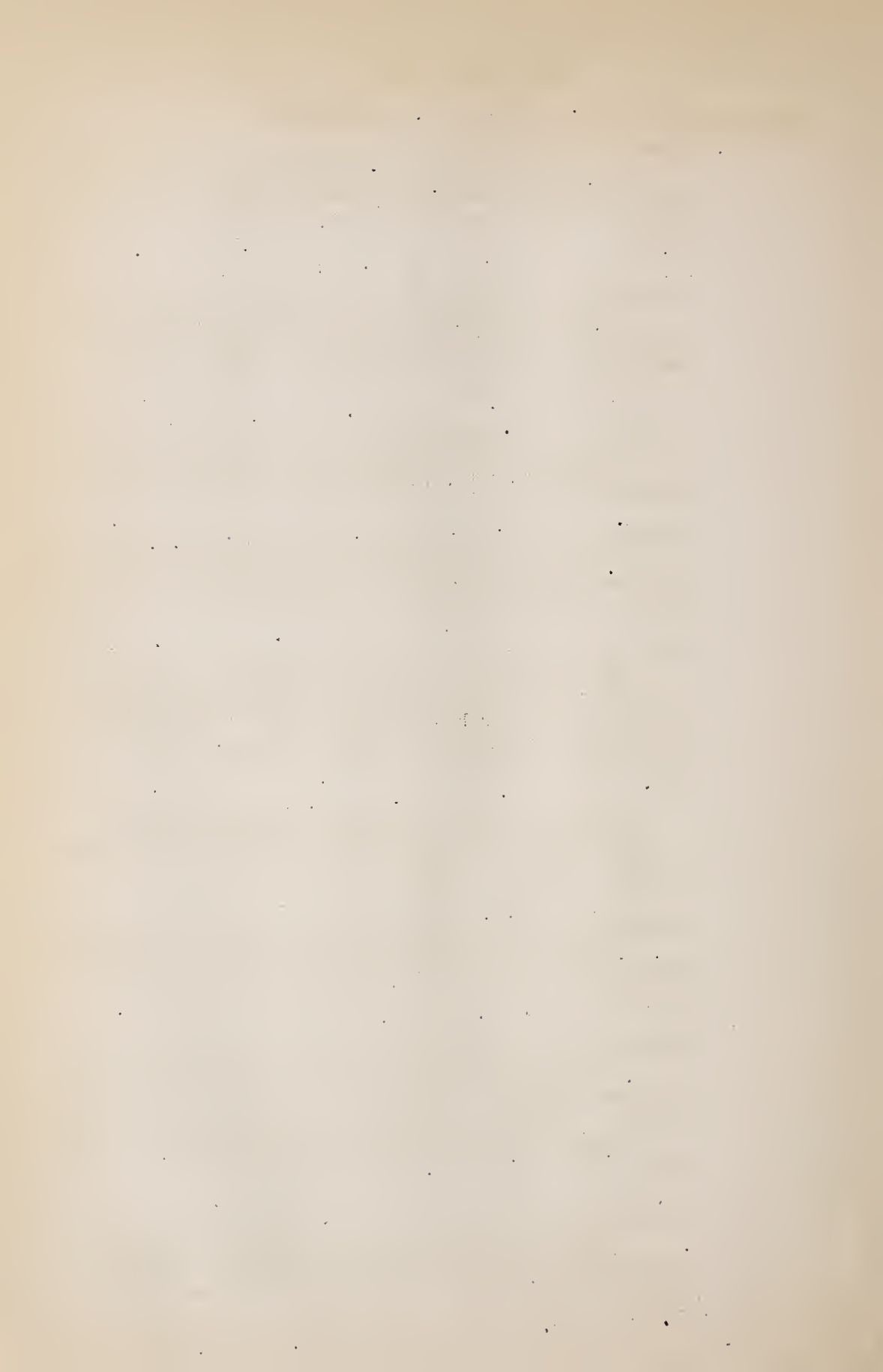
Scharrer, K. & Schropp, W.

Wasserkulturversuche über die wirkung des bors in düngemitteln. Phytopath. Zeitschr. 7:245-254. illus. 1934. no.3.

Experiments with summer wheat, summer rye, fodder maize, sugar beet and fodder beet.

Tiddens, B. A.

Ueber die wurzelfäule der *Primula obconica*, verursacht durch *Thielaviopsis basicola* Ferraris. Phytopath. Zeitschr. 7:223-230. illus. 1934. no.3.



Planta Arch. Wiss. Bot. (Berlin) (450P693)

Boysen-Jensen, P.

Ueber wuchsstoff in wurzeln, die mit erythrosin vergiftet sind. *Planta Arch. Wiss. Bot.* 22:404-410. illus. J1.19,1934. no.3.

Bünning, E.

Elektrische potentialänderungen an seismonastisch gereizten staubfäden. *Planta Arch. Wiss. Bot.* 22:251-268. J1.19,1934. no.3.

Experiments with *Sparmannia* and *Berberis*.

Helm, J.

Ueber die anlegung des karpells von *Potamogeton trichoides* Cham. et Schlecht. *Planta Arch. Wiss. Bot.* 22:443-444. illus. J1.19,1934. no.3.

Paauw, F. v. d.

Der einfluss der temperatur auf atmung und kohlendioxidassimilation einiger grünalgen. *Planta Arch. Wiss. Bot.* 22:396-403. J1.19,1934. no.3.

Paauw, F. v. d.

Zur methodik der kohlendioxidassimilationsmessung. Ein vergleich zwischen der apparatur nach Warburg und der nach van der Paauw. *Planta Arch. Wiss. Bot.* 22:393-395. J1.19,1934. no.3.

Pringsheim, E. G.

Untersuchungen zu Uspenskis eisenhypothese der algenverbreitung. *Planta Arch. Wiss. Bot.* 22:269-312. J1.19,1934. no.3.

Propach, H.

Cytologische untersuchungen an *Antirrhinum*. I. Die embryosackentwicklung und die reifeteilungen in den pollenschlauchzellen von *Antirrhinum majus*. *Planta Arch. Wiss. Bot.* 22:368-374. illus., pl.i-ii. J1.19,1934. no.3.

Schanderl, H.

Ein aktinometer für botanische zwecke. *Planta Arch. Wiss. Bot.* 22:428-442. illus. J1.19,1934. no.3.

Schwarnikow, P. K.

Ueber die grosse der meristematischen zellen von trisomen pflanzen von *Crepis tectorum*. *Planta Arch. Wiss. Bot.* 22:375-392. illus. J1.19, 1934. no.3.



Planta Arch. Wiss. Bot. (cont.)

Silberschmidt, K.

Die verteilung proteolytischer aktivität in den stengelteilen von normalen pflanzen und pfpfungen. Planta Arch. Wiss. Bot. 22:313-367. J1.19,1934. no.3.

Uhrová, A.

Ueber die hormonale natur der hemmungswirkung der blätter bei Bryophyllum crenatum. Planta Arch. Wiss. Bot. 22:411-427. illus. J1.19, 1934. no.3.

Poona Agr. Coll. Mag. (22P79)

Kadam, B. S. & Patankar, V. K.

Inheritance of chlorophyll in Zinya rice. Poona Agr. Coll. Mag. 26:10-16. J1.1934. no.1.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising) (464.8P88)

Strobel, A.

Regierungsrat. 1. Kl. Professor Dr. Gustav Korff, 31. Mai 1872 - 1. Juli 1934. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 34(n.s.12):97-98. port. J1./Ag.1934. no.4/5.

Zattler, F.

Beiträge zur kenntnis der nährstoffaufnahme der pflanze. Wasserkulturversuche mit hopfen bei zeitweiliger darbietung und entziehung von kalium, phosphor, stickstoff und kalzium. Prakt. Blätt. Pflanzenb. u. Pflanzensch. 34(n.s.12):99-154. illus. J1./Ag.1934. no.4/5.

Prakt. Ratg. Obst.-u. Gartenb. (Frankfurt a. d. O.) (80P883)

Fischer, R.

Pflanzenschäden, die infolge lusttrockenheit auftreten. Prakt. Ratg. Obst.-u. Gartenb. 49:389-390. illus. Ag.5,1934. no.32.

Proc. Idaho State Hort. Assoc. (81Id12)

Davidson, R. H.

Noxious weed control in orchards. Proc. Idaho State Hort. Assoc. 38(1933):54-59. [1934]

Hungerford, C. W.

Nonparasitic diseases of fruit trees. Proc. Idaho State Hort. Assoc. 38(1933):90-95. [1934] Mainly on apple.

Overholser, E. L.

Fundamental principles of fruit tree growth. Proc. Idaho State Hort. Assoc. 38(1933):9-21. [1934]



Proc. Iowa Acad. Sci. (Des Moines) (5001093)

Conard, H. S.

A boreal moss community. Proc. Iowa Acad. Sci. 39(1932):57-61. [1934]  
Pine Hollow, Dubuque Co., Iowa.

Conard, H. S.

A gametophyte of *Botrychium obliquum* Muhl. Proc. Iowa Acad. Sci. 39(1932):56. [1934]

Cavanagh, L. M.

Notes on Iowa mosses. V i.e.IV Proc. Iowa Ada. Sci. 39(1932):53-55. [1934]

Cratty, R. I.

Iowa plant notes. V. Proc. Iowa Acad. Sci. 39(1932):85-88. [1934]

Harrington, H. D.

The value of twig and bud characters in keys for the identification of trees in summer condition. Proc. Iowa Acad. Sci. 39(1932):81-84. [1934]

King, C. M.

Germination studies of woody plants, with notes on some buried seeds. Proc. Iowa Acad. Sci. 39(1932):65-76. illus. [1934]

Wolden, B. O.

The plants of Emmet County, Iowa. Proc. Iowa Acad. Sci. 39(1932):89-132. [1934]

Proc. Leeds Phil. & Lit. Soc. Sci. Sect. (501151)

Wray, E. M.

The structural changes in a woody twig after summer pruning. Proc. Leeds Phil. & Lit. Soc. Sci. Sect. 2:560-570. illus., pl. My.1934. no.12.

Experiments with apples (Edward VII & Blenheim orange)

Proc. Nat. Acad. Sci. (500N21P)

Haig, C.

The spectral sensibility of *Avena*. Proc. Nat. Acad. Sci. 20:476-479. Ag.1934. no.3.

Skoog, F. & Thimann, K. V.

Further experiments on the inhibition of the development of lateral buds by growth hormone. Proc. Nat. Acad. Sci. 20:480-485. illus. Ag. 1934. no.8.

Experiments with *Vicia faba*.



- Proc. West Virginia Acad. Sci. (Morgantown) (500W52)  
Gilbert, F. A.  
The preservation of cut flowers. Proc.  
West Virginia Acad. Sci. 7:27-28. Mr.15,1934.
- Queensl. Agr. Journ. (Brisbane) (23Q33)  
White, C. T.  
Queensland weeds. III. Gomphrena weed (Gomphrena  
decumbens). Queensl. Agr. Journ. 42:83-84.  
illus. Jl.1,1934. no.1.
- Repert. Spec. Nov. Fedde (Berlin) (45OR29)  
Erichsen, C. F. E.  
Neue pertusarien. Repert. Spec. Nov. Fedde  
35(Repert. Europ. & Med. 4, 11/13):379-400. Jl.15,  
1934. no.18/25.
- Furtado, C. X.  
Palmae Malesicae. Repert. Spec. Nov. Fedde  
35:273-283. Jl.15,1934. no.18/25.  
Iguamura arakudensis and species of Pinanga.
- Görz, R.  
Einige kritische Salices aus Persien. Repert.  
Spec. Nov. Fedde 35:283-292. Jl.15,1934. no.18/25.  
Salix neodaviesii, S. dischgensis n. spp.
- Gyelnik, V.  
Additamenta ad cognitionem parmeliarum. IV.  
Repert. Spec. Nov. Fedde 35(Repert. Europ. & Med.  
4, 11/13):367-377. Jl.1934. no.18/25.
- Holzfuss, E.  
Die rosenflora der "Langen Berge" bei Stargard  
(Pom.). Repert. Spec. Nov. Fedde 35(Repert. Europ.  
& Med. 4, 11/13):361-365. Jl.15,1934. no.18/25.
- Iljin, M.  
Neue arten der gattung Serratula L. Repert.  
Spec. Nov. Fedde 35(Repert. Europ. & Med. 4, 11/13):  
353-360. Jl.15,1934. no.18/25.
- Knoblauch, E.  
Olea mildbraedii, ein beispiel für die variabi-  
lität der oleaceen. Repert. Spec. Nov. Fedde  
35:343-349. Jl.15,1934. no.18/25.
- Knuth, R.  
Additamenta cognitionis lecythidacearum. I.  
Repert. Spec. Nov. Fedde 35:338-342. Jl.1934.  
no.18/25.



Repert. Spec. Nov. Fedde (Berlin) (cont.)

Mansfeld, R.

Abola Lindl. and Caucaea Schltr. Repert. Spec.  
Nov. Fedde 35:342-343. Jl.1934. no.18/25.  
C. radiata (A. radiata)

Sirjaev, G.

Lathyrus haussknechtii sp. nova. Repert. Spec.  
Nov. Fedde 35(Repert. Europ. & Med. 4, 11/13):377-  
378. Jl.15,1934. no.18/25.

Smith, J. J.

Einige neue sumatranische Ericaceae. Repert.  
Spec. Nov. Fedde 35:292-297. Jl.15,1934. no.18/25.  
Gaultheria abbreviata, G. atjehense, Diplycosia  
patenticalyx, D. apiculifera, n. spp.

Suessenguth, K.

Neue and kritische amarantaceen aus Süd- und  
Mittel-Amerika. Repert. Spec. Nov. Fedde 35:298-  
337. pl.clxix. Jl.15,1934. no.18/25.

Rep. Hokkaido Agr. Exp. Stat. (J107.6H68N)

Ito, S. & Iwadare, W.

Studies on the red blotch of rice-grains.  
Rep. Hokkaido Agr. Exp. Stat. 31:1-84. illus.,  
pl.i-iii (1 col.) Mr.1934.

Japanese with English summary. Caused by Epi-  
coccum neglectum & a new species, E. Oryzae.

Tanaka, I.

American gooseberry mildew in Japan. Rep.  
Hokkaido Agr. Exp. Stat. 31:123-139. pl.ix-x.  
Mr.1934.

Japanese with English summary.

Tanaka, I.

Studies on the canker disease of pear tree  
caused by Diaporthe ambigua Nitschke. Rep.  
Hokkaido Agr. Exp. Stat. 31:85-122. pl.iv-viii.  
Mr.1934.

Japanese with English summary.

Rev. Vitic. (Paris) (95.8R322)

Branas, J. & Dulac, J.

Sur le traitement du mildiou par le sulfure  
cuivrique. Rev. Vitic. 81:73-76. Ag.2,1934.  
no.2092.

Viala, P. & Marsais, F.

Le court-noué. l. Rev. Vitic. 81:69-73.  
illus., col.pl. Ag.2,1934. no.2092.



Rhodora (Boston) (450R34)

Ernald, M. L.

Draba in temperate northeastern America. (cont.)

Rhodora 36:285-305. illus.(maps), pl.290-298.

Ag.1934. no.428.

Maguire, B.

Distribution notes concerning certain plants of  
Glacier national park, Montana. Rhodora 36:305-

308. Ag.1934. no.428.

Potter, D.

Plants collected in the southern region of  
James Bay. Rhodora 36:274-284. illus.(map)

Ag.1934. no.428.

Rickett, H. W.

Cornus amomum and Cornus candidissima.

Rhodora 36:269-274. Ag.1934. no.428.

Schweiz. Obst.- u. Gartenb. Zeit. (Münsingen) (80Sch92)

Gummifluss an kirschbäumen. Schweiz. Obst.-

u. Gartenb. Zeit. 1934:218-220. Ag.1,1934. no.15.

Sci. Bull. Dept. Agr. So. Africa (24So84S)

Saunders, A. R.

Studies on phanerogamic parasitism, with parti-  
cular reference to *Striga lutea* Lour. I-III. Sci.

Bull. Dept. Agr. So. Africa 128. 56 p. iv pl.  
1933.

I. The economic importance, distribution, life  
history, and parasitism of *Striga lutea*. II. Experi-  
ments on the control of parasite in the field. III.  
The breeding of resistant host varieties.

Science (470Sci2)

Horn, E. E., Ward, J. C., Munch, J. C. & Garlough, F. E.

The effect of thallium on plant growth.

Science 80:167-168. Ag.17,1934. no.2068.

Luyet, E. J.

On the duration of some imbibition processes.

Science 80:168. Ag.17,1934. no.2068.

Roscoe, M. V.

Cultivated apple chromosomes. Science

80:186. Ag.24, 1934. no.2069.

Alpha cellulose from aspen trees. Science

v.80, no.2069. Suppl. pl.6-7. Af.24,1934.



Scient. Agr. (Ottawa) (7Sci2)

Aarodt, O. S. & Platt, A. W.

Resistance of wild oats and some common cereal varieties to freezing temperatures. Scient. Agr. 14:645-650. illus. Ag.1934. no.12.

Hurst, R. R.

Observations on the brown heart disease of turnips. Scient. Agr. 14:679-686. illus.(map), pl. Ag.1934. no.12.

Peterson, R. F.

Improvement of rye through inbreeding. Scient. Agr. 14:651-668. Ag.1934. no.12.

Smithson. Misc. Coll. (Washington) (500Sm6M)

Meier, F. E.

Lethal response of the alga *Chlorella vulgaris* to ultraviolet rays. Smithson. Misc. Coll. v. 92, no.3. 12 p. 3 pl. Ag.6,1934.

So. African Sugar Journ. (Durban) (65.8So8)

McMartin, A.

The locust fungus. Further observations. So. African Sugar Journ. 18:329,331. Je.30, 1934. no.6.

*Empusa*.

New variety canes in Queensland. So. African Sugar Journ. 18:351. Je.30,1934. no.6.

Succulenta (Leeuwarden) (450Sul)

Backeberg, C.

De verspreiding der cactussen in verhouding tot haar systematische indeeling. Succulenta 16:142-143. Ag.1934. no.8.

*Mamillaria viereckii* Böd. 1927. Succulenta 16:125-128. illus. Ag.1934. no.8.

Swaste, F.

Het geslacht *Lithops*. Succulenta 16:129-132. illus. Ag.1934. no.8.

Svenska Linné-Sällsk. Årsskr. (502Sv2)

Mörner, C. T.

Om nomineringen av *Brownallia*-släktet och dess arter, särskilt de Linnéanska. Svenska Linné-Sällsk. Årsskr. 17:1-26. illus. 1934.

Brief English summary: p.138-139.

Sernander, R.

Linnés Dalaresor. Ett 200-årsminne. Svenska Linné-Sällsk. Årsskr. 17:vii-xii. 1934.

Brief English summary: p.138.



La Terre et la Vie (Paris) (410T27)

Gattefossé, J.

La flore marocaine et l'horticulture. La  
Terre et la Vie 4:224-240. illus. Ap.1934.  
no.4.

Hédin, L.

Observations botaniques et agricoles sur les  
savanes de Bingerville et de Grand Bassam (Cote  
d'Ivoire). La Terre et la Vie 4:345-354. illus.  
Je.1934. no.6.

Reymond, A.

Observations sur la flore et la faune de  
Mongolie et du Sin-Kiang (Turkestan Chinois).  
La Terre et la Vie 4:288-296. illus. My.  
1934. no.5.

De Pékin à Urumtsi, à travers le désert de Gobi  
et les monts Célestes avec la mission Citroën-  
centre-Asie.

Trans. & Proc. Roy. Soc. So. Austr. (514Ad3)

Black, J. M.

Additions to the flora of South Australis. 31.  
Trans. & Proc. Roy. Soc. So. Austr. 57:143-158.  
pl.viii-ix. 1933.

Cashmore, A. B.

Two new *Danthonias*. Trans. & Proc. Roy.  
Soc. So. Austr. 57:72. 1933.  
*D. duttoniana*, *D. richardsonii*, n. spp.

Cleland, J. B.

Australian fungi: Notes and descriptions, 9.  
Trans. & Proc. Roy. Soc. So. Austr. 57:187-194.  
1933.

Ising, E.H.

Notes on the flora of South Australia. 1-2.  
Trans. & Proc. Roy. Soc. So. Austr. 57:91-93, 183-  
186. illus. 1933.

*Bassia blackiana*, *B. andersonii*, *Triglochin*  
*elongata* n. spp.

Rogers, R. S.

Contributions to the orchidology of Australia.  
Trans. & Proc. Roy. Soc. So. Austr. 57:95-96.  
1933.

*Bulbophyllum weinthalii*, n. sp.



Trop. Natuur (410.9T75)

Clason, E. W.

Het Noord-westelijk Baloerangebied. Trop.  
Natuur 23:121-128. illus. Jl.1934. no.7.

Spoon, W.

De passievrucht of Moeah Negri in Holland.  
Trop. Natuur 23:133-135. illus. Jl.1934.  
no.7.

U. S. Dept. Agr. Circ. (Ag84C)

Ballard, W. W.

A new method of self-pollinating cotton.  
U. S. Dept. Agr. Circ. 318. 4 p. illus.  
Jl.1934.

Griffiths, D.

Bulbs from seed. U. S. Dept. Agr. Circ.  
311. 32 p. illus. Je.1934.

May, C.

Outbreaks of the Dutch elm disease in the  
United States. U. S. Dept. Agr. Circ. 322.  
19 p. illus. Ag.1934.

Nixon, R. W.

The Dairee date, a promising Mesopotamian  
variety for testing in the Southwest. U. S.  
Dept. Agr. Circ. 300. 12 p. illus. Jl.  
1934.

U. S. Dept. Agr. Leaflet. (1Ag84L)

Westover, H. L.

Crested wheatgrass. U. S. Dept. Agr. Leaflet.  
104. 8 p. illus. [1934]

U. S. Dept. Agr. Miscellaneous mimeographed publications.

Dana, B. F.

The curly-top disease of vegetables in the  
Pacific northwest. Washington, D. C., Jl.1934.  
4 p. (1.9P772Ct)

Mimeographed publication from Div. Fruit &  
Vegetable Crops & Dis., U. S. Dept. Agr.

Kellerman, K. F.

Summary of the Dutch elm disease situation in  
the United States as of June 20, 1934. Washington,  
D. C., Je.20, 1934. 3 p. (1.9En862S)

Mimeographed publication from Div. Plant Dis.  
eradication, But. Ent. & Plant Quarantine, U. S.  
Dept. Agr.



Univ. Calif. Publ. Biol. Sci. (Berkeley) (500C125Bi)

Beckwith, T. D.

Metabolic studies upon certain *Chlorellas* and allied forms. Univ. Calif. Publ. Biol. Sci. 1: 1-33. N.9,1933. no.1.

Flunkett, O. A.

Contributions to the knowledge of Southern California fungi. I. Myxomycetes. Univ. Calif. Publ. Biol. Sci. 1:35-47. Mr.14, 1934. no.2.

Univ. Iowa Stud. Nat. Hist. (500I09)

Gilbert, H. C.

Three new species of Myxomycetes. Univ. Iowa Stud. Nat. Hist. 16:153-159. illus. J1.15,1934. no.2.

*Humenobolina pedicellata*, *Macbrideola* (gen. nov.) *M. scintillans*, *M. decapillata*.

Harrington, H. D.

The woody plants of Iowa in winter condition. Univ. Iowa Stud. Nat. Hist. 16(1):5-116. ii pl. Je.1,1934.

Martin, G. W.

The genus *Stypella*. Univ. Iowa Stud. Nat. Hist. 16:143-150. illus., pl.vi. J1.15,1934. no.2.

Rogers, D. P.

The basidium. Univ. Iowa Stud. Nat. Hist. 16:160-182. pl.vii. J1.15,1934. no.2.

Rose, E. T.

Notes on the life history of *Aphanizomenon flos-aquae*. Univ. Iowa Stud. Nat. Hist. 16:129-138. pl.iv-v. J1.15,1934. no.2.

Turrell, F. M.

A method for the measurement of the internal exposed surface of foliage leaves. Univ. Iowa Stud. Nat. Hist. 16:119-126. pl.iii. J1.15, 1934. no.2.

Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. (410.9W96)

Faber, A.

Pflanzensoziologische untersuchungen in württembergischen Hardten. (Mit bemerkungen über die deutschen fundorte van *Arcyptera fusca* Pall.) Veröffentl. Staatl. Stelle Natursch. Württ. Landes. Denkmalpfl. 10:36-54. illus. 1934.



Vict. Nat. (Melbourne) (410V66)

Rupp, H. M. R.

A thrice-named orchid. Vict. Nat. 51:81-82.  
illus. Jl.1934. no.3.

*Bulbophyllum macphersonii*, nomen novum (B.  
*purpurascens* Bailey, *Osyricera purpurascens* (Bail.)  
Deane)

Sargent, O. H.

Pollination in *Pterostylis*. Vict. Nat.  
51:82-84. Jl.1934. no.3.

La Vida Agr. (Lima) (9.8V66)

Ferrero, R. A.

La lucha contra el wilt. Selección de un  
linaje inmune de la variedad Tangüis. La Vida  
Agr. 11:237-248. Mr.1934. no.124.  
Cotton.

López Dominguez, F. A.

Variedades de caña de azúcar en el Perú. I-V.  
La Vida Agr. 10:1605-1615. D.1933: 11:181-197,  
259-264, 321-326, 387-405. F.-My.1934. no.121,  
123,124,125,126.

Zeitschr. Pilzk. (Leipzig) (450Z352)

Kallenbach, F.

*Polyporus apalus* Lévl., der mehlstaub-porling.  
Zeitschr. Pilzk. 18(n.s.,13):66-67. pl.10.  
Jl.1934. no.3.

Schmid, G.

*Pietra fungaja*. Ein mykologischer briefwechsel  
Goethes. Zeitschr. Pilzk. 18(n.s.,13):71-80.  
pl.13. Jl.1934. no.3.

Sigl,

Zwei pilze aus der gattung *Xylaria* Hill, ge-  
funden in Murnau, Oberbayern. Zeitschr. Pilzk.  
18(n.s.,13):82-83. pl.9. Jl.1934. no.3.  
*X.hypoxydon*, *X. polymorpha*.

Exp. Stat. Publ.

Breazeale, J. F. & Crider, F. J.

Plant association and survival, and the build-  
up of moisture in semi-arid soils. Arizona Agr.  
Exp. Stat. Techn. Bull. 53:95-123. illus. Je.15,  
1934. (100Ar4)



Exp. Stat. Publ. (cont.)

Janssen, G., Bartholomew, R. P. & Watts, V. M.  
Some effects of nitrogen, phosphorus, and  
potassium on the composition and growth of tomato  
plants. Arkansas Agr. Exp. Stat. Bull. 310.  
43 p. illus. Je.1934. . (100Ar42)

Gaddum, L. W.  
The pectic constituents of citrus fruits.  
Florida Agr. Exp. Stat. Techn. Bull. 268. 23 p.  
Je.1934. (100F66S)

Louisiana agricultural experiment station  
Plant pathology. In its Rep. 1931/1933:22-  
24. [1934] (100L93)

Flakidas, A. G.  
Control of strawberry leaf blights in Louisiana.  
Louisiana Agr. Exp. Stat. Bull. 252. 17 p. illus.  
Je.1934. (100L93)  
Rev. of Bull. 225.

Flakidas, A. G.  
The rosette disease of blackberries and dew-  
berries. Louisiana Agr. Expt. Stat. Bull. 250.  
8 p. illus. Je.1934. (100L93)

Sprague, H. B.  
Utilization of nutrients by Colonial bent  
(*Agrostis tenuis*) and Kentucky bluegrass (*Poa  
pratensis*). New Jersey Agr. Exp. Stat. Bull.  
570. 16 p. My.1934. (100N46S)

Lehman, S. G.  
Practices relating to control of tobacco mosaic.  
North Carolina Agr. Exp. Stat. Bull. 297. 3 p.  
illus. My.1934. (100N81)

Texas agricultural experiment station  
Plant pathology and physiology. In its  
Ann. Rep. 46(1933):70-92. 1934. (100T31S)  
J. J. Taubenhaus, W. N. Ezekiel.

Berg, A.  
Black pox and other apple-bark diseases com-  
monly known as measles. West Virginia Agr. Exp.  
Stat. Bull. 260. 31 p. illus.,vii pl. Je.  
1934. (100W52)  
*Helminthosporium papulosum* n. sp.



State Publications

Glenn, P. A.  
[Report of] Div. of plant inspection. Ann.  
Rep. Dept. Agr. Illinois 16(1932/33):34-45.  
illus. [1934?] (2I16R)

Welch, D. S., Herrick, G. W. & Curtis, R. W.  
The Dutch elm disease. Cornell Ext. Bull.  
290. 19 p. illus. Je.1934. (275.29N48E)

New books

Armer, L. A.  
Cactus. New York, F. A. Stokes Co., 1934.  
(452.35Ar5)

Arthur, J. E.  
Manual of the rusts in United States and  
Canada. Lafayette, Ind., Purdue Research Founda-  
tion, 1934. (462.062Ar7)

Brown, H. P. & Panshin, A. J.  
Identification of the commercial timbers of  
the United States. New York, McGraw-Hill book  
co., 1934. (99.31BS1)

Diels, L. & Pritzel, E.  
Wälder in nordost-Queensland. In Karsten,  
G. Vegetationsbilder. r.24,h.3. pl.13-18.  
1934. (f<sup>o</sup>452.9K142)

Diurinskii, A. K. & Khokhriakov, M. K.  
Bolezni batat v SSSR po dannym obsledovaniia  
1932 g. (Sweet potato diseases in USSR. Observa-  
tions in 1932) In Bogdanov-Kat'kov, N.N.  
Vrediteli i bolezni batat [Pests and diseases of  
sweet potatoes] Moskva, Leningrad, 1933. v.1.  
p.218-232. illus. (423B634P)  
Russian.

Fedchenko, B. A. & Popov, M. G.  
Flora Turkmenii. v.1, pt.1-2. Leningrad,  
Izdanie Akademii nauk SSSR i Botanicheskogo insti-  
tuta Turkmenskoi SSR, 1932. (460.16F312Tu)  
Russian

Kains, M. G.  
Modern guide to successful gardening. New  
York, Greenburg, 1934. (90.3K12)



New books (cont.)

Komarov, V. A.

Proiskhozhdenie rastenii. [Origin of plants]  
Izdanie vtoroe [2d ed.] Leningrad, Izdatel'stvo  
Akademii nauk SSSR, 1934. (402.1K83)  
Russian.

Komuro, H.

Cyto-karological observations of radicle-tissue  
of young plants soaked in coaltar solution and of  
the coaltar painted animal-tissue. [Kyoto? 1933]  
(Pamph.463,43K)

Japanese.

Reprinted from Nihon-byôrigakkwai kwaisi  
XXII Dec. 2592 [1933]

Komuro, H.

Mein neues färbungsverfahren, günstig für das  
mit ... - fixiermittel behandelte material. [Tokyo?  
1933] (Pamph.442K)

Japanese.

Lassime, J.

Contribution à l'étude de la végétation du  
Haut-Armagnac. Le pays lectourois. Toulouse, H.  
Basuyau & cie, 1932. (459.5L33)

Macbride, T. H. & Martin, G. W.

The Myxomycetes. A descriptive list of the  
known species with special reference to those oc-  
curring in North America. New York, The MacMil-  
lan Co., 1934. (462.02M12)

Macfarlane, J. M.

The evolution and distribution of flowering plants.  
Philadelphia, Noel printing company, 1933. (463.67M16)  
v.1. The Apocynaceae and Asclepiadaceae.

Mills, F. W.

An index to the genera and species of Diatoma-  
ceae and their synonyms... 1816-1932. pt. Na (cont.)  
London, Wheldon & Wesley, 1934. (461.44M621)

Phillips, G. A.

Aristocrats of the flower border. The finest  
perennials for garden effect. London, Country  
Life, 1934. (97.42F54)



New books (cont.)

Radzievakaiã, S. B., Serbinov, V. I. & Tsygankov, S. K.

Vrediteli i bolezni khlopchatnika [Pests and diseases of cotton] Moskva, Tashkent, Ob'edinenie gosudarstvennykh izdatel'stv sredneaziatskoe otделение, 1934. (464.042R11)

Diseases: p.104-118.

Russian.

Raunkiaer, C. C.

The life forms of plants and statistical plant geography, being the collected papers of C. Raunkiaer. Oxford, Clarendon Press, 1934. (463.8R192)

Rohde, E. S.

Gardens of delight. Bosron, Hale, Cushman & Flint, 1934. (97R632)

Takenouchi, M.

Kuju-sani no shokubutsu ni tsukite (On the vegetation of the Kuju mountain range). [Tokyo? 1932] (J460.15T13)

Reprinted from Ringakukai Zasshi (Journ. of Forestry Society) v.14, no.8. Ag.1932.

Japanese.

Takenouchi, M.

Shokubutsu no ha no hyohisaiho sobakabe no kukkyokudo no gaiteki joken ni ojuru heni to sono phytometer to shiteno oyokachi. (Variation of waviness in the lateral walls of epidermal cells of leaves caused by environment conditions and its phytometric value). [Tokyo? 1933] (J463.43T13)

Japanese.

Reprinted from Ringakukai Zasshi (Journ. of Forestry Society) v.15, no.6. Je.1933.

Tolmachev, A. I.

Flora tsentral'noi chasti vostochnogo Taimyra Leningrad, 1932. (Trudy Poliarnoi komissii. Akademiia nauk SSSR. no.8, 13) (460.16T58)

Russian.

Tsitsin, N. V.

Problema ozimnykh i mnogoletnikh pshenits (Pshenichno-pyreinye gibridy) (Problems of winter and hardy wheats. Triticum x Agropyrum hybrids). Omsk, 1933. (59.26T78)

Russian with English summary.



New books (cont.)

Willstaedt, H.

Carotinoide bakterien- und pilzfarbstoffe.  
Stuttgart, F. Enke, 1934 (Sammlung chemischer  
und chemisch-technischer vortrage ... n.f., h.22.  
(384Sa4)

Wright, R.

The story of gardening, from the hanging  
gardens of Babylon to the hanging gardens of  
New York. New York, Dodd, Mead & co., 1934.  
(90.51795)



19  
2691c

# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY  
RECEIVED  
★ SEP 25 1934 ★  
U. S. Department of Agriculture

Vol. 16, no. 18.

Aug. 27-Sept. 8, 1934.

- Agron. Colon. (Paris) (26Ag312)  
Bouriquet, G.  
La culture du blé à Madagascar et les rouilles.  
Agron. Colon. 23: 40-46. illus. Ag. 1934. no. 200.
- Amer. Journ. Sci. (New Haven) (470Am34)  
Knight, J. B.  
A salt-marsh study. Amer. Journ. Sci. 28:  
161-181. illus. S. 1934. no. 165.  
At Killam's Point, near New Haven, Conn.
- Ann. Rep. East Malling Res. Stat. (103Ea7)  
Berkeley, G. H.  
Strawberry root rot. Ann. Rep. East Malling  
Res. Stat. 21(1933): 154-155. pl. My. 1934.  
Coniothyrium sp.
- East Malling research station, Kent.  
Plant pathology, mycology and bacteriology.  
In its Ann. Rep. 21(1933): 47-51. My. 1934.
- Ing, E. G.  
Plum rootstocks - a note on some root-systems.  
Ann. Rep. East Malling Res. Stat. 21(1933): 108-110.  
3 pl. My. 1934.
- Knight, R. C.  
Further observations on the parts played by root  
and stem in stock influence. Ann. Rep. East Malling  
Res. Stat. 21(1933): 114-116. My. 1934.
- Moore, M. H.  
A field spraying trial of combined fungicide-con-  
tact insecticide sprays. Ann. Rep. East Malling  
Res. Stat. 21(1933): 156-165. My. 1934.  
Control of scab and various insects.

23

562156

Agri.

350-372



Ann. Rep. East Malling Res. Stat. (cont.)

Moore, M. H.

Some field observations on apple canker (*Nectria galligena*). Ann. Rep. East Malling Res. Stat. 21 (1933): 166-175. My. 1934.

Roach, W. A.

Tree injection, a progress report. Ann. Rep. East Malling Res. Stat. 21(1933): 137-141. illus. My. 1934.

Rogers, W. S.

Root studies IV. A method of observing root growth in the field; illustrated by observations in an irrigated apple orchard in British Columbia. Ann. Rep. East Malling Res. Stat. 21(1933): 86-91. pl. My. 1934.

Vyvyan, M. C.

The distribution of growth between roots, stems and leaves in a young apple tree and its possible bearing on the problem of stock effect on tree vigor. Ann. Rep. East Malling Res. Stat. 21(1933): 122-131. My. 1934.

Wormald, H.

Bacterial diseases of stone fruit trees in Britain V. Some field observations and experiments on plum bacterial canker. Ann. Rep. East Malling Res. Stat. 21(1933): 147-153. My. 1934.

Wormald, H.

Notes on plant diseases in 1933. Ann. Rep. East Malling Res. Stat. 21(1933): 142-146. My. 1934.

Reprinted from *Fruit-Grow.* 77:649-650 where it appeared under title: The incidence of fruit diseases.

Arch. Roumain. Path. Exp. Microbiol. (448.3Ar22)

Savulescu, T.

Une nouvelle espèce du genre *Paranthostomella* et considérations systématiques sur les Sphaeriales pseudostromatae. Arch. Roumain. Path. Exp. Microbiol. 7: 7-32. illus., fold.pl. Mr.1934. no.1. *Peltosphaeria*. (*P. cantacuzinoi* n.sp.)

Arvernia Biol. (Clermont-Ferrand) (442.9Ar8)

Chevalier, P.

Contribution à l'étude des houblons mâles de Lorraine. Nancy, 1933. Reprinted in *Arvernia Biol.* no.11. [art.6] 28 p. Je. 1934.

Thèse - Clermont-Ferrand.



Beih. Bot. Centralbl. Abt. A. (Dresden) (450E65B)

Hrubý, K.

Zytologie und anatomie der mitteleuropäischen salbei-arten. Beih. Bot. Centralbl. Abt. A 52: 298-380. illus., pl. xvi-xxii. Ag. 1934. no.2.

Kopetzky-Rechtperg, O.

Notizen über die von Palla als "karyoide" bezeichneten inhaltkörper der konjugaten. Beih. Bot. Centralbl. Abt.A. 52: 258-268. pl.xiv. Ag. 1934. no.2.

Lohwag, H.

Mykologische studien. IX. Ueber die fruchtkörperentwicklung der geastraceen. Beih. Bot. Centralbl. Abt.A. 52: 269-289. illus., pl.xv. Ag.1934. no.2.

Niklitschek, A.

Das problem der oscillatorien-bewegung. I. Beih. Bot. Centralbl. Abt.A. 52: 205-257. illus., pl.iii-viii. Ag.1934. no.2.

Plavsić, S.

Ueber die harzkanäle in blattkissen der gattung Picea. Beih. Bot. Centralbl. Abt.A. 52: 290-297. illus. Ag.1934. no.2.

Bergens Mus. Arbok Naturv. Rekke (502B45)

Faegri, K.

Ueber die längenvariationen einiger gletscher des Jostedalubre und die dadurch bedingten pflanzensukzessionen. Bergens Mus. Arbok Naturv. Rekke 1933, no.7. 255 p. illus. (incl.mpas), table. 1934. no.2.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Bachmann, E.

Ein hexenbesen auf einer flechte. Ber. Deut. Bot. Ges. 52: 291-295. illus. J1.26, 1934. no.6. Fungus (not determined) on Cladonia rangiferina.

Böhner, P. P.

Zur thermonastie der tulpenblüte. Ber. Deut. Bot. Ges. 52: 336-347. illus. J1.26, 1934. no.6.

Bothe, F.

Vorschläge zur einheitlichen benennung der fortpflanzungsorgane niederer pflanzen. Ber. Deut. Bot. Ges. 52: 313-320. J1.26, 1934. no.6.



Ber. Deut. Bot. Ges. (cont.)

Docters van Leeuwen, W. M.

Endozoische samenverbreitung durch den indischen purpurstar: *Aplonis panayensis strigatus* Horsf.

Ber. Deut. Bot. Ges. 52: 284-290. J1.26, 1934. no.6.

Figdor, W.

Ueber generativ vermehrte nachkommen von *Bryophyllum calycinum* Salisb.

Ber. Deut. Bot. Ges. 52: 296-302. pl.vii. J1.26, 1934. no.6.

Gassner, G. & Goeze, G.

Der einfluss der anzuchttemperatur auf assimilation, chlorophyllgehalt und transpiration junger getreideblätter. Ber. Deut. Bot. Ges. 52: 321-335. diags. J1.26, 1934. no.6.

Wheat and rye.

Höfler, K.

Neuere ergebnisse der vergleichenden permeabilitätsforschung. Ber. Deut. Bot. Ges. 52: 355-372. illus. J1.26, 1934. no.6.

Kugler, H.

Zur blutenökologie von *Asarum europaeum* L.

Ber. Deut. Bot. Ges. 52: 348-354. illus. J1.26, 1934. no.6.

Overbeck, F.

Eine richtigstellung zu der arbeit von Dr. H.

Koch: "Ein profil aus dem Bourtanger Moor".

Ber. Deut. Bot. Ges. 52: 303-307. J1.26, 1934. no.6.

Schopfer, W. H.

Versuche über die wirkung von reinen kristallisierten vitaminen B auf *Phycomyces*.

Ber. Deut. Bot. Ges. 52: 308-312. pl.viii. J1.26, 1934. no.6.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, Y. & Tanase, Y.

Untersuchungen über flechtenstoffe XLIII. Ueber die identität der saxatilsäure mit salazinsäure.

Ber. Deut. Chem. Ges. 67: 1434-1435. Ag.8, 1934. no.8.



Ber. Ohara Inst. Landw. Forsch. (Kurashiki) (107.60h1)  
Kondo, M. & Okamura, T.

Beziehung zwischen der wassertemperatur und dem  
wachstum der reispflanzen. 4-6. mitteilung. Ber.  
Ohara Inst. Landw. Forsch. 6: 187-204, 205-209, 211-  
218. illus. 1934. no.2.

4. Schädlicher einfluss der wassertemperatur auf  
den körnerertrag der unter wasser stehenden reis-  
pflanzen. 5. Ueber den graduellen unterschied der  
schädigung, der die reispflanzen bei überschwemmung  
mit klaren oder mit trubem wasser ausgesetzt sind.  
6. Ursache des absterbens der reispflanz, die eine  
zeitlang unter wasser gestanden hat.

Nishikado, Y., Matsumoto, H. & Yamauti, K.

Studies on a new Cephalosporium, which causes  
the stripe disease of wheat. Ber. Ohara Inst.  
Landw. Forsch. 6: 275-306. pl.ix-xv. 1934. no.2.

*C. gramineum* (Described in paper read before  
Japanese phytopathological society, Ap.1933)

Biol. Zentralbl. (Leipzig) (442.8B523)  
Schlösser, L. A.

Zur frage der genomstabilisierung bei hetero-  
ploiden. Biol. Zentralbl. 54: 436-445. illus.  
1934. no.7/8.

Experiments with *Solanum lycopersicum*.

Blumen u. Pflanzenb. Vereinigt Gartenw. (Berlin) (80G196)  
Lerch, V.

Etwas von der wünschelrute. Blumen u. Pflan-  
zenb. Vereinigt Gartenw. 38: 409. Ag.10, 1934. no.32.

Bol. Mens. Min. Agr. Argentine (9B633)  
Carrera, C.

Informe preliminar sobre una enfermedad nueva com-  
probada en los citrus de Bella Vista (Corrientes)  
Bol. Mens. Min. Agr. Argentine 34: 275-280. illus.  
Ag./S. 1933. no.2/3.

Anthracoze. Lista de las principales enfermedades  
observadas durante mi actuacion: p.380.

Bot. Jaarb. (Gent) (450B658)  
Van Oye, P.

Korte geschiedenis van het Botanisch jaarboek.  
Bot. Jaarb. 25: 11-27. 3 ports. 1934.

Contains account of Dr. Caesar de Bruycker, with  
list of his works and list of works of Van Oye.



Bull. Coll. Agr. & For. Univ. Nanking. (107N15B)

Wei, C. T.

Rhizoctonia sheath blight of rice. Bull. Coll. Agr. & For. Univ. Nanking n.s., no.15. 20 p. pl. My.1934.

Chinese with English summary.

Wei, C. T.

Rice diseases. Bull. Coll. Agr. & For. Univ. Nanking n.s., no.16. 39 p., 2 l. 5 pl. Ap.1934.

Chinese with English summary.

Bull. Deli Proefst. Medan, Sumatra. (109.5D37B)

Poel, J. van der

De invloed van den basentoestand van den grond op tabaksbibit en eenige andere tropische gewassen in Deli. Bull. Deli Proefst. Medan. Sumatra no.31. 64 p. 1934.

English summary: p.59-62.

De invloed op den groei. - De invloed op de slijmziekte.

Bull. Econ. Indochine. (22.5In2)

Crevost, C. & Pételot, A.

Catalogue des produits de l'Indochine (suite) Plantes médicinales. Bull. Econ. Indochine 37: 267-341, 507-556. plates. Mr./Ap., My./Je. 1934.

Bull. Imp. Inst. Gt. Brit. (London) (26G79)

Essential oils from East Africa. Bull. Imp. Inst. Gt. Brit. 32: 195-252. Jl.1934. no.2.

Reports of recent investigations at the Imperial institute selected from the Reports made to the Dominion, Colonial and Indian governments.

Worsley, R. R. LeG.

Some East African essential oils. Bull. Imp. Inst. Gt. Brit. 32: 253-270. pl. Jl.1934. no.2.

Bull. Inst. Egypte (515Eg9)

Driault, E. & Houth, E.

Alyre Raffeneau-Delille. Bull. Inst. Egypte 16: 85-92. 1934. no.1.

Issa Bay, A.

Abou Hanifa el Dinawari et son "Livre des plantes". Bull. Inst. Egypte 16: 1-7. 1934.

Ahmed ibn Daoud ibn Wanad Abou Hanifa el Dinawari, died 24 July 895.



Bull. Misc. Inform. Kew. (London) (89K51B)

Airy-Shaw, H. K.

A key to the species of *Deutzia* sect. *Mesodeutzia*. Bull. Misc. Inform. Kew 1934: 177-181. no.5.

*D. kongon*, *D. amurensis*, *D. hookeriana*, *D. staurothrix*, n.spp.

Bullock, A. A.

Further note on the genus *Kraussia*. Bull. Misc. Inform. Kew 1934: 211. no.5.

Fischer, C. E. C.

The Koenig collection in the Lund herbarium. Bull. Misc. Inform. Kew 1934: 221-222. no.5.

Goossens, A. P.

Notes on African grasses XVI. Bull. Misc. Inform. Kew 1934: 195-202. illus. no.5.

Holland, J. H.

Poorman or Kawau orange of New Zealand. Bull. Misc. Inform. Kew 1934: 219-221. no.5.

Hoyle, A. C. & Dunkley, H.

New trees and shrubs from tropical Africa. III. Bull. Misc. Inform. Kew 1934: 182-190. illus. no.5.

Petch, T.

Contributions to the flora of tropical America. XX. Entomogenous fungi from British Guiana. Bull. Misc. Inform. Kew 1934: 202-205. no.5.

Ridley, H. N.

*Firmiana* and *Erythropsis*. Bull. Misc. Inform. Kew 1934: 214-217. no.5.

... "*Firmiana* and *Erythropsis* though very distinct are still constantly confused".

Sprague, T. A. & Sandwith, N. Y.

*Ceratophytum tetragonolobum*. Bull. Misc. Inform. Kew 1934: 222-223. no.5.

*C. tetragonolobum* (*Bignonia*)

Sprague, T. A.

Generic names published in Zinn's Catalogus. Bull. Misc. Inform. Kew 1934: 217-219. no.5.



Bull. Misc. Inform. Kew (cont.)

Sprague, T. A.

Pseudogeneric names, Bull. Misc. Inform. Kew  
1934: 222. no.5.

Stapf, O.

Botryostege: a new genus of Ericaceae. Bull.  
Misc. Inform. Kew 1934: 191-195. pl. no.5.

*B. bracteata* (Tripetaleia).

Summerhayes, V. X.

African orchids. VI. Bull. Misc. Inform. Kew  
1934: 205-214. no.5.

Bull. Soc. Nat. Acclim. France. (Paris) (410.9P21)

Trochain, J.

Les conditions de la végétation au Sénégal.  
Le "gana" de l'arachide. Bull. Soc. Nat. Acclim.  
France 81:302-312. Jl. 1934. no.7.

Bult. Sci. Fak. Terkult. Kjušu Imp. Univ. (J107.6K995B)

Yoshii, H.

Pathological studies on watermelon wilt. III-IV.

Bult. Sci. Fak. Terkult. Kjušu Imp. Univ. 6: 1-15,  
16-33. illus. Jl. 1934. no.1.

III. Pathological anatomy of the diseased seed-  
ling. IV. The pathology anatomy of the affected plants.  
Japanese with English résumés.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Aamodt, O. S. & Torrie, J. H.

The relation between awns and yield in spring  
wheat. Canad. Journ. Res. 11: 207-212. Ag.  
1934. no.2.

Hunter, A. W. S.

A karyosystematic investigation in the Gramine-  
ae. Canad. Journ. Res. 11: 213-241. illus.  
Ag. 1934. no.2.

Koch, L. W.

Studies on the overwintering of certain fungi  
parasitic and saprophytic on fruit trees. Canad.  
Journ. Res. 11: 190-206. illus., iii pl. Ag.  
1934. no.2.

Mounce, I. & Diehl, W. W.

A new *Ophiobolus* on eelgrass. Canad. Journ.  
Res. 11: 242-246. illus. Ag. 1934. no.2.

*O. halimus*.



Compt. Rend. Acad. Sci. Paris. (505P21)

Bertrand, P.

Observations sur la classification des vrais  
Pecopteris. Compt. Rend. Acad. Sci. Paris 199:  
438-439. Ag.6, 1934. no.6.

Lavialle, P. & Jaeger, P.

Cytologie et particularités nucléaires du grain  
pollen des dipsacées. Compt. Rend. Acad. Sci.  
Paris. 199: 485-487. illus. Ag. 1934. no.8.

Compt. Rend. Soc. Phys. & Hist. Nat. Genève. (508G280)

Schopfer, W. H.

Essai de généralisation de l'action du facteur  
de croissance chez les mucorinées. Compt. Rend.  
Soc. Phys. & Hist. Nat. Genève 51:23-26. 1934.  
no.1.

Schopfer, W. H.

Sur l'existence dans les pollinies d'orchidées  
d'un facteur de croissance de microorganisme.  
Compt. Rend. Soc. Phys. et Hist. Nat. Genève 51: 29-  
30. 1934. no.1.

Deut. Landw. Presse (Berlin) (18D482)

Zekl, F.

Ursachen des weizen-rostes. Deut. Landw. Presse  
61: 397-398. Ag.11, 1934. no.32.

Difesa Piante Torino (464.9D56)

Bongini, V.

Un nuovo fungillo della peonia. Difesa Piante  
Torino 11: 109-121. illus. Ag. 1934. no.4.  
Sphaeropsis paeoniae.

Servazzi, O.

Sull'arrossamento fogliare del kaki. Difesa  
Piante Torino 11: 122-137. illus. Ag. 1934. no.4.  
Coryneum delleianii n.sp.

Flor. Exch. (N.Y.) (89F666)

Karl Frederic Kellerman. Flor. Exch. 83(10):  
17. S.8, 1934.

The new, upright barberry. Flor. Exch. 83(10):  
21. illus. S.8, 1934.

Developed and introduced by Cole Nursery Co.  
of Painesville, O.



Flor. Rev. (Chicago) (80W41)

Plants for the hardy garden. Flor. Rev. 74(1917):  
22; 74(1918): 18. Ag.23,30, 1934.

Scabiosa lucida, Campanula punctata, C. waldsteiniana,  
Sedum divergens, Platycodon, Achillea filipendulina. Am-  
sonia tabernaemontana, Campanula raineri.

Forestry (Gt. Brit.) (London) (99.8F767)

Wilkinson, J.

A preliminary report on a cytological method of  
distinguishing Salix alba var. coerulea from closely  
related species, varieties and hybrids. Forestry  
(Gt. Brit.) 8: 64-66. illus. Je.1934.

Friesia (København) (450F91)

Larsen, P.

Undersøgelser over storsvampe-vegetationen paa et  
Vestjyds heroomraade (Untersuchungen uber die macro-  
mycet-vegetation eines heidegebietes in West-Jütland).  
Friesia 1: 157-193. 1934. no.3.

Danish with German summary.

Gard. Chron. (London) (80G162)

Bancroft, H.

Notes on the status and nomenclature of the  
British elms. Gard. Chron. III, 96: 122-123.  
illus. Ag.18, 1934. no.2486.

Behaviour of garden plants. XIV. Eryngiums and  
Echinops. Gard. Chron. III, 96: 113. Ag.18,  
1934. no.2486.

Dr. L. Cockayne, C. M. G. Gard. Chron. III,  
96: 111. Ag.11, 1934. no.2485.

Notice of death.

Gorbald, R.

Mammillaria. Gard. Chron. III, 96: 98.  
illus. Ag.11, 1934. no.2485.

Hall, A. D.

Tulipa montana, Lindley. Gard. Chron. III, 96:  
121. Ag.18, 1934. no.2486.

Johnson, A. T.

Plants that transgress. Gard. Chron. III, 96:  
99. Ag.11, 1934. no.2485.

Ward, F. K.

Mr. F. Kingdon Ward's twelfth expedition in  
Asia. II. The last of Ondo-Malaya. Gard. Chron.  
III, 96: 120-121. illus. Ag.18, 1934. no.2486.



Gard. Chron. Amer. (80G1632)

Anderson, A. W.

Plants and their names. (cont.) Gard. Chron.  
Amer. 38: 262,266. S.1934. no.9.

Bade, E.

Black star rust on roses. Gard. Chron. Amer.  
38: 258, 266. illus. S.1934. no.9.

Creasey, L. B.

Giant rhododendrons. Gard. Chron. Amer. 38:  
255-256, 266. S. 1934. no.9.

Wherry, E. T.

The Sedums of the eastern United States. Gard.  
Chron. Amer. 38: 264-266. illus. S. 1934. no.9.

Gard. Illus. (London) (80G169)

Flegg, O. D.

Botanical exploration in China. Gard. Illus.  
56: 472-473. Ag.11, 1934. no.2892.

Gartenfl. (Berlin) (80G19)

Kadner, Th.

Assimilation der lebensstoffe bei kakteen.  
Gartenfl. 83: 218-220. illus. Ag.1934.

Giorn. Riscolt. (Vercelli) (59.8G43)

Chiappelli, R.

La golpe bianca del frumento (*Fusarium roseum*).  
Giorn. Riscolt. 24: 147-148. illus. Jl.31,  
1934. no.7.

Hadar (Jaffa) (80H11)

Grasovsky, A. & Shiff, M.

The effect of ammonium bi-carbonate on the  
storage of oranges. Hadar 7: 168-172. Jl.1934.  
no.7.

Reichert, I. & Perlberger, J.

Xyloporosis - the new citrus disease. Hadar  
7: 163-167,172. illus. Jl. 1934. no.7.

Fungi present are saprophytes which penetrate  
the bark after internal decomposition has set in.  
The disease attacks chiefly trees grafted on sweet  
lime.



Heil & Gewürz-Pflanzen (Munich) (71.8H36)

Hecht, W.

Bioklimatische versuche zur erforschung der ur-  
sachen der gehaltsschwankungen der arzneipflanzen. III.  
Versuch einer analyse der zusammenhänge zwischen der  
witterung und den biologischen und biochemischen ver-  
suchsergebnissen derjahre 1929-1930. Heil & Gewürz-  
Pflanzen 16: 1-57. illus. J1.30,1934. no.1/2.

Indian For. (Dehra Dun) (99.8In2)

Raizada, M. B.

New or little known plants from Kumaon.  
Indian For. 60: 529-538. pl.53-55. Ag.1934. no.8.

Reverend Ethelbert Blatter. Indian For. 60:  
574. Ag. 1934. no.8.

Died at Poona, on May 26, 1934.

Indian Journ. Agr. Sci. (Calcutta) (22Ag83I)

Dastur, R. H. & Agnihotri, S. D.

Study of the pectic changes in the potato  
tubers at different stages of growth and in storage.  
Indian Journ. Agr. Sci. 4:430-450. Je.1934. no.3.

Gulati, A. N.

A note on the differentiation of hairs from  
the epidermis of cotton seeds. Indian Journ. Agr.  
Sci. 4: 471-475. pl.xxxii-xxxiv. Je. 1934. no.3.

Mitra, S. K. & Ganguli, P. M.

Inheritance of albino and white-striped characters  
in rice. Indian Journ. Agr. Sci. 4: 537-545.  
pl. xxxv-xxxvi. Je. 1934. no.3.

Parija, P.

Physiological investigations on water-hyacinth  
(*Eichhornia crassipes*) in Orissa with notes on  
some other aquatic weeds. Indian Journ. Agr. Sci.  
4: 399-429. illus., pl.xxv-xxx. Je. 1934. no.3.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Gessner, F.

Wachstum und wanddehnbarkeit am *Helianthus-*  
*hypokotyl*. Jahrb. Wiss. Bot. 80: 143-168.  
1934. no.1.

Gradmann, H.

Ueber die messung von bodensaugwerten. Jahrb.  
Wiss. Bot. 80: 92-111. 1934. no.1.



Jahrb. Wiss. Bot.

Harder, R. & Störmer, I.

Ueber die einfluss des follikelhormons auf das blüthen von pflanzen. Jahrb. Wiss. Bot. 80: 1-19. illus. 1934.

Schratz, E.

Beiträge zur biologie der halophyten. I. Zur keimungsphysiologie. Jahrb. Wiss. Bot. 80: 112-142. 1934. no.1.

Schüepp, O.

Untersuchungen in konstruktionen zur theorie der zweizeilig dorsiventralen blattstellung. Jahrb. Wiss. Bot. 80: 36-73. illus. 1934. no.1.

Schumacher, W.

Die absorptionsorgane von *Cuscuta odorata* und der stoffübertritt aus den siebröhren der wirtspflanze. Jahrb. Wiss. Bot. 80: 74-91. illus. 1934. no.1.

Walter, H. & Thren, R.

Die berechnung des osmotischen wertes auf grund von kryoskopischen messungen und der vergleich mit saugkraftbestimmungen. Jahrb. Wiss. Bot. 80: 20-35. 1934. no.1.

Journ. Agr.Prat. (Paris) (14J82)

Fron, G.

Le piétin du blé. Méthode de lutte. Journ. Agr. Prat. 98(1): 135-137. Ag.18, 1934. no.33.

Journ. Amer.Pharm. Assoc. (Easton, Pa.) (396.9Am33J)

Kremers, E.

Phytochemical literature. (cont.) Journ. Amer. Pharm Assoc. 23: 803-810. Ag. 1934. no.8.

Journ. Bacteriol. (Baltimore) (448.3J82)

Kritschewski, I. L. & Ponomarewa, I. W.

On the pleomorphism of bacteria. I. On the Pleomorphism of *B. paratyphi B.* Journ. Bacteriol. 28: 111-126. illus. Ag.1934. no.2.

Lewis, I. M.

Cell inclusions and endospore formation in *Bacillus mycoides*. Journ. Bacteriol. 28: 133-144. illus. Ag. 1934. no.2.

Rahn, O.

The disagreement in mitogenetic experiments, a problem in bacterial physiology. Journ. Bacteriol. 28: 153-158. Ag. 1934. no.2.



Journ. Bot. (London) 450J82)

Alston, A. H. G.

Notes on Selaginella. VI. The Selaginellae collected by Thaddæus Haenke and described by Karel Borewog Presl. Journ. Bot. 72: 223-230. Je. 1934. no.860.

Barton, W. C. & Riddelsdell, H. J.

Rubus "latifolius" of Cornwall. Journ. Bot. 72: 230-232. Ag. 1934. no.860.

Gunther, R. T.

Letters from John Ray to Peter Courthope. Journ. Bot. 72: 217-223. pl.606 Ag. 1934. no.860.

Rendle, A. B.

George Francis Scott Elliot. (1862-1934). Journ. Bot. 72: 233-235. Ag. 1934. no.860

Journ. Coll. Agr. Imp. Univ. Tokyo (107.6J27J)

Imai, Y.

The mode of duplication of petals in the double flowers of Prunus mume. Journ. Coll. Agr. Imp. Univ. Tokyo 12: 387-408. illus., pl.xi, fold.tab. Jl. 1934. no.3.

Imai, Y.

On the mutable genes of Pharbitis, with special reference to their bearing on the mechanism of bud-variation. Journ. Coll. Agr. Imp. Univ. Tokyo 12: 479-523. illus., pl.xiii (col.) Jl.1934. no.3.

Imai, Y. & Kanna, B.

Some remarks on fasciation of Pharbitis nil. Journ. Coll. Agr. Imp. Univ. Tokyo 12: 410-419. illus. Jl. 1934. no.3.

Kanna, B.

Genetic studies in Impatiens balsamina L. Journ. Coll. Agr. Imp. Univ. Tokyo 12: 421-477. pl. xii (col.) Jl.1934. no.3.

Journ. Ecol. (Cambridge, Engl.) (450J829)

Armstrong, J. I., Ingold; C. T. & Vear, K. C.

Vegetation map of the Mourne mountains, Co. Down, Ireland. Journ. Ecol. 22: 439-444. maps. Ag. 1934. no.2.



Journ. Ecol. (cont.)

Chippindale, H. J. & Milton, W. E. J.

On the viable seeds present in the soil beneath pastures. Journ. Ecol. 22: 508-531. Ag. 1934. no.2.

De Silva, B. L. T.

The distribution of "calcirole" and "calcifuge" species in relation to the content of the soil in calcium carbonate and exchangeable calcium, and to soil reaction. Journ. Ecol. 22: 532-553. Ag. 1934. no.2.

Good, R. D'Oyley & Waugh, W. L.

The vegetation of Redcliff sand; a contribution to the ecology of the Humber. Journ. Ecol. 22: 420-438. illus., pl.xl-xli. Ag. 1934. no.2.

Koslowska, A.

The influence of plants on the concentration of hydrogen ions in the medium. Journ. Ecol. 22: 396-419. diags. Ag. 1934. no.2.

Phillips, J.

Succession, development, the climax, and the complex organism: an analysis of concepts. I. Journ. Ecol. 22: 554-571. Ag. 1934. no.2.

Polunin, N.

The vegetation of Akpatok island. I. Journ. Ecol. 22: 337-395. illus. (maps) pl.xxvii-xxxix. Ag. 1934. no.2.

Watt, A. S.

The vegetation of the Chiltern Hills, with special reference to the beechwoods and their seral relationships. (cont.) Journ. Ecol. 22: 445-507. Ag. 1934. no.2.

Journ. Hered. (Washington) 442.8Am3

Kearney, T. H.

American wild cottons with thirteen chromosomes. Journ. Hered. 25: 305-312. illus. Ag. 1934. no.8.

Leding, A. R.

A new spine character in cactus. Echinocereus from Texas shows "woolly" character in juvenile state. Journ. Hered. 25: 327-328. illus. Ag. 1934. no.8.

E. chloranthus.



Journ. Hered. (cont.)

Showalter, H. M.

The box type four o'clock. A mutation of stalk character in *Mirabilis jalapa*. Journ. Hered. 25: 323-325. illus. Ag. 1934. no.8.

Journ. Roy. Micr. Soc. (London) (440.9R81J)

Akahurst, S. C.

*Eudorina elegans*, Ehrenberg, forma *ellipsoida* sub. var. *tubifera*. Journ. Roy. Micros. Soc. III, 54: 99-103. pl.i-ii. Je.1934. no.2.

Koshy, T. K.

Chromosome studies in *Allium*. II. The meiotic chromosomes. Journ. Roy. Micr. Soc. III, 54: 104-120. illus., pl.iv-v. Je. 1934. no.2.

Landw. Jahrb. (Berlin) (18L23)

Lehmann, E., Bader, A., Mittmann, G. & Schnitzler, O.

Berberitzenverbreitung und schwarzrostauftreten in Württemberg. Landw. Jahrb. 80: 1-37. illus., fold.map. 1934.

Lingnan Sci. Journ. (Canton, China) (22.5016)

Ching, R. C.

On the genus *Onychium* K<sub>g</sub>ulf. from the far orient. Lingnan Sci. Journ. 13: 493-501. Jl.30,1934. no.3. *moupinense*, *O. tenuifrons*, n.spp.

McClure, F. A.

Latin diagnosis of *Arundinaria amabilis*. Lingnan Sci. Journ. 13: 503. Jl.30, 1934. no.3.

Metcalf, F;P.

Notes on Umbelliferae. Lingnan Sci. Journ. 13: 517-518. pl. 57. Jl.30,1934. no.3. *Oenanthe normanii* n.sp.

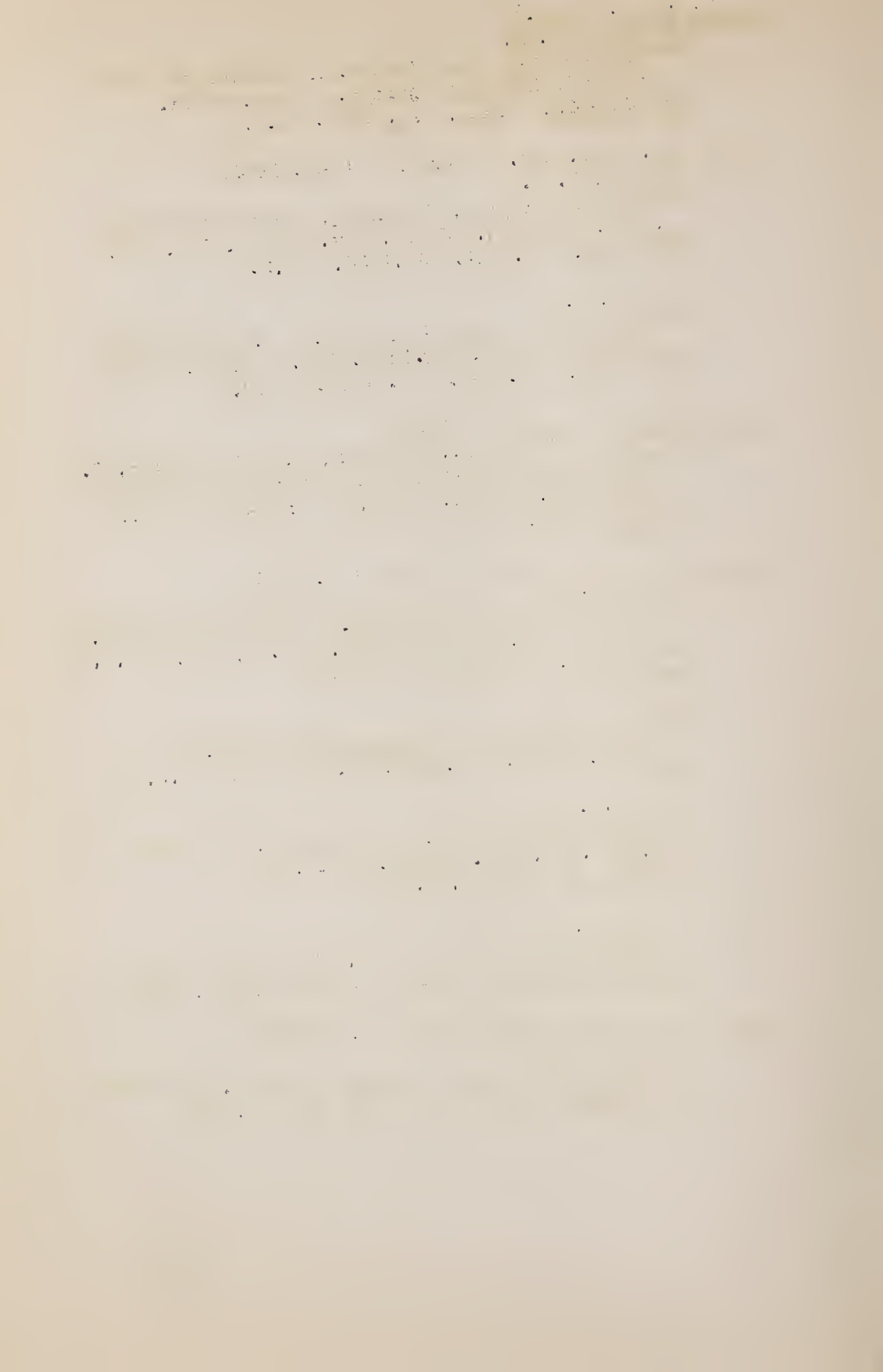
Metcalf, F. P.

*Rhododendron levinei* Merrill. Lingnan Sci. Journ. 13: 521-522. illus. Jl.30, 1934. no.3.

Malayan Agr.Journ. (Kuala Lumpur) (22.5F312)

Milsun, J. N.

Fruit Cultivation in Java. Malayan Agr. Journ. 22: 313-328. 4 pl. on 2. Jl. 1934. no.7.



Malayan For. (99.8M292)

Desch, H. E.

Notes on Malayan timbers. Malayan For. 3:  
90-102, 138-147. plates. Ap., J1. 1934. no.2,3.

Thomas, A. V.

Wood preservation. Malayan For. 3: 119-125.  
J1. 1934. no.3.

Medd. Centralanst. Försksv. Jordbruksomr. Avd. Landbruksbot.  
(Stockholm) (104Sw33M)

Lundegardh, H.

Markbeskaffenhet och gödslingsbehov. (Studies  
on the relations between soil conditions and the  
absorption of nutrient salts by plants). Medd.  
444 Centralanst. Försksv. Jordbruksomr. Avd. Land-  
bruksbot. no. 52. 67 p. illus. 1934.

English summary: p.60-65.

Meded. Landbouwhoogesch. Wageningen. (105.2W122)

Boonstra, A. E. H. R.

Physiologisch onderzoek ten dienste van de  
plantenveredeling. Meded. Landbouwhoogesch.  
Wageningen. v.38, no. 1, 99. p. diagsr. 1934.

English summary: p.95-96.

Nature (London) (472N21)

Emerson, R. & Green, L.

Kinetics of photosynthesis. Nature 134:  
289-290. Ag.25, 1934. no.3382.

Glyme, M. D.

Infectivity of summer sporangia of potato wart  
disease in incipient infections on varieties im-  
mune in the field. Nature 134: 253. Ag. 18,  
1934. no.3381.

Levan, A.

Distribution of chromosome numbers in a progeny  
of triploid *Allium schoenoprasum*. Nature 134:  
254. Ag. 18, 1934. no.3381.

Naturwissensch. (Berlin) (474N213)

Schmidt, M.

Immunitätszüchtung bei tabak. Naturwissensch.  
22: 557-559. Ag.17, 1934. no.33.



New Jersey Agr. (275.28N46)

Blake, M. A.

What is hardiness in peaches? New Jersey Agr. 16(4): 3. Jl./Ag. 1934.

Martin, W. H;

Brown stem of potato and its control. New Jersey Agr. 16(4): 1. Jl./Ag. 1934.  
Rhizoctonia.

New Phytol. (London) (450N42)

Millner, M. E.

Anatomy of *Silene vulgaris* and *Silene maritima* as related to ecological and genetical problems. I. Root structure. New Phytol. 33: 77-95. illus. Ap.28, 1934. no.2.

Oliver, F. W.

Dukinfield Henry Scott: 1854-1934. New Phytol. 33: 73-76. Ap.28, 1934. no.2.

Saunders, E. R.

Comments on "Floral anatomy and its morphological interpretation". New Phytol. 33: 127-170. Ap.28, 1934. no.2.

Refers to A. Arber's article in previous number of journal.

Thomson, R. B.

A seed-plant feature of the root in Marattiaceae. New Phytol. 33: 96-100. illus. Ap.28, 1934. no.2.

Wanscher, J. H.

The basic chromosome number of the higher plants. New Phytol. 33: 101-126. Ap.28, 1934. no.2.

Notas Prel. Mus. La. Plata (516L31N)

Burkart, A.

Observaciones sobre la diseminación hidrófila de las especies de *Mimosa* del delta del Paraná. Notas Prel. Mus. La Plata 2: 161-175. illus. 1934.

Cabrera, A. L.

Las especies argentinas del género *Haplopappus*. Notas Prel. Mus. La Plata 2: 233-257. illus. 1934.

Molfino, J. F.

Profesor Augusto C. Scale (1880-1933). Notas Prel. Mus. La Plata 2: 333-351. port. 1934.  
Su obra científica (by M.M.Job); p.342-351.



Notas Prel. Mus. La Plata (cont.)

Rudorf, G. & Langman, E. R.

Síntesis de las primeras investigaciones sobre Puccinia graminis tritici (Pers.) Erikss. et Henn. y Puccinia triticina Erikss. Notas Prel. Mus. La Plata 2: 65-75. 1934.

Nuovi Ann. Agr. Min. Agr. e For. Italy (16N92)

Crociani, A.

Sull'azione stimolante di alcune sostanze usate nella disinfezione del grano da semente.

Nuovi Ann. Agr. Min. Agr. e For. Italy 14: 279-290. Je.30, 1934. no.2.

Nuovo Giorn. Bot. Ital. (Firenze) 450N92)

Cappelletti, C.

Osservazioni sulla respirazione superficiale e profonda del legno di Platamus orientalis e Diospyros lotus. Nuovo Giorn. Bot. Ital. 41: 439-441. 1934. no.2.

Cappelletti, C.

Ricerche sulla germinazione dei semi di Orobanche. Nuovo Giorn. Bot. Ital. 41: 441-443. 1934. no.2.

Chiarugi, A.

Riconoscimento di cordaitali paleozoiche ad affinità gondwaniche fra i tronchi di Gymnospermae silicizzate del Sahara italiano. Nuovo Giorn. Ital. 41: 435-437. 1934. no.2.

Colla, S.

Sui gas contenuti nelle piante acquatiche. I. Nuovo Giorn. Bot. Ital. 41: 292-319. illus. 1934. no.2.

Colla, S.

Sul movimento degli stami in alcune berberidacee. VII. I movimento dello stame nel fiore ed i rapporti tra i varii organi fiorali e la contrattilità dello stame. Nuovo Giorn. Bot. Ital. 41: 443-444. 1934. no.2.

Forti, A.

Studi sulle alghe della Torbiera di Fiavé (Trentino) Nota preliminare. Nuovo Giorn. Bot. Ital. 41: 446-449. 1934. no.2.

Francini, E.

Ibridazione interspecifica nel genere Paphiopedilum. Cariologia di Paphiopedilum villosum Pfitz e Paph. x harrisianum (Paph. villosum ♀ x Paph. barbatum ♂). Nuovo Giorn. Bot. Ital. 41: 189-237. illus., pl. ii-vi. 1934. no.2.



Nuovo Giorn. Bot. Ital. (cont.)

Marcello, A.

Osservazioni microbiologiche sui nettarii di piante alpine. II. Nuovo Giorn. Bot. Ital. 41: 249-256. 1934. no.2.

Montelucci, G.

L'*Artemisia verlotorum* Lamotte a Roma e in altre località italiane. Nuovo Giorn. Bot. Ital. 41: 242-248. 1934. no.2.

Negodi, G.

Per una teoria della metamorfosi il fondamento costituzionalistico dello sviluppo eteroplastico. Nuovo Giorn. Bot. Ital. 41: 257-291. illus. 1934. no.2.

Negodi, G.

Sul modo con cui le foglie ingialliscono in autunno. Nuovo Giorn. Bot. Ital. 41: 320-326. 1934. no.2.

Negri, G.

Ricerche sulla distribuzione altimetrica della vegetazione in Italia. Nuovo Giorn. Bot. Ital. 41: 327-364. 1934. no.2.

Introduzione.

Verona, O.

Sul potere azotofissatore dei funghi. Nuovo Giorn. Bot. Ital. 41: 238-241. 1934. no.2.

Zenari, S.

Ricerche sulla distribuzione altimetrica della vegetazione in Italia. I. Associazioni e limiti di vegetazione nel gruppo M. Schiara - M. Pelf (Belluno) Nuovo Giorn. Bot. Ital. 41:365-433. 1934. no.2.

Oesterr. Bot. Zeitschr. (Wien) (4500s7)

Müller, L.

Verholzung in einer orchideenblüte. Oesterr. Bot. Zeitschr. 83: 98-108. illus. Je.30,1934. no.2.

Schussnig, B. & Kothbauer, E.

Der phasenwechsel von *Ectocarpus siliculosus*. Oesterr. Bot. Zeitschr. 83: 81-97. illus. Je.30, 1934. no.2.

Nach untersuchungen an materialien aus der Adria und aus dem Mittelmeer.



Oesterr. Bot. Zeitschr. (cont.)

Tobisch, J.

Beiträge zur kenntnis der pilzflora von Kärnten.  
IV. Oesterr. Bot. Zeitschr. 83: 109-150. Jg.30,  
1934. no.2.

Wagner, R.

Ueber Komplikationen des blütenstandes der  
Brassica oleracea L. var. gemmifera DC. Oesterr.  
Bot. Zeitschr. 83: 151-153. illus. Jg.30,  
1934. no.2.

Orchidee (Bandoeng) (800r18)

Latif, S. M.

Viviparie en vegetatieve vermeerdering van  
orchideeën Orchidee (Bandoeng) 3: 185-187.  
Jl. 1934. no.7.

Schmidt, K.

Een succesvolle orchideeënjacht in de Philippij-  
nen. Orchidee (Bandoeng) 3: 174-175. Jl.  
1934. no.7.

Pacific Hop Grow. (Mt. Angel, Oreg.) (77.8P11)

Hoerner, G. R.

Diseases of hops. Pacific Hop Grow. 1(13):  
4-5. Mr.1934.

Plant Physiology (450P692)

Baldwin, H. I.

Germination of the red spruce. Plant Physiology  
9: 491-532. illus. Jl. 1934. no.3.

Burns, G. R.

Long and short wave-length limits of photo-  
synthesis. Plant Physiology 9: 645-652. Jl.  
1934. no.3.

Experiments with white pine and Norway spruce.

Clague, J. A. & Fellers, C. R.

Relation of benzoic acid content and other  
constituents of cranberries to keeping quality.  
Plant Physiology 9: 631-636. Jl.1934. no.3.

Clements, F. E. & Martin, E. V.

Effect of soil temperature on transpiration in  
Helianthus annuus. Plant Physiology 9: 619-630.  
illus. Jl.1934. no.3.



Plant Physiology (cont.)

Dexter, S. T.

Salt concentration and reversibility of ice-formation as related to the hardiness of winter wheat. *Plant Physiology* 9: 601-618. diags. Jl. 1934. no.3.

Dustman, R.

Effect of ethylene, ethylene chlorohydrin, and ultra-violet light on carbohydrate content of stored apples. *Plant Physiology* 9: 637-643. Jl. 1934. no.3.

Hartt, C. E.

Some effects of potassium on the growth of sugar cane and upon the absorption and migration of ash constituents. *Plant Physiology* 9: 399-451. illus., col. pl. Jl. 1934. no.3.

Hartt, C. E.

Some effects of potassium upon the amounts of protein and amino forms of nitrogen, sugars, and enzyme activity of sugar cane. *Plant Physiology* 9: 453-490. Jl. 1934. no.3.

Homan, C., Young, T. F., & Shull, C. E.

Evaporation in its thermodynamic relation to the cohesion theory and to imbibitional and osmotic pressures of cell constituents. *Plant Physiology* 9: 653-661. illus. Jl. 1934. no.3.

Horner, C. K., Burk, D. & Hoover, S. R.

Preparation of humate iron and other humate metals. *Plant Physiology* 9: 663-669. Jl. 1934. no.3.

Hurd-Karrer, A.M. & Dickson, A. D.

Carbohydrate and nitrogen relations in wheat plants with reference to type of growth under different environmental conditions. *Plant Physiology* 9: 533-565. illus. Jl. 1934. no.3.

Loehwing, W. F.

Physiological aspects of the effect of continuous soil aeration on plant growth. *Plant Physiology* 9: 567-583. Jl. 1934. no.3.

Experiments with sunflower and soy bean.



Plant Physiology (cont.)

Martin, E. V.

A large-capacity drying oven with constant uniform temperature and forced ventilation. Plant Physiology 9: 689-692. illus. Jl.1934. no.3.

Miller, E. S.

Application of quantitative spectral analyses to binary mixtures of the common carotenoids. Plant Physiology 9: 681-684. Jl.1934. no.3.

Miller, E. S.

Quantitative absorption spectra of the common carotenoids. Plant Physiology 9: 693-694. illus. Jl. 1934. no.3.

Platenius, H.

Chemical changes in carrots during growth. Plant Physiology 9: 671-680. Jl. 1934. no.3.

Vickery, H. B.

What the organic chemist can do for plant physiology. Plant Physiology 9: 685-688. Jl. 1934. no.3.

White, P. R.

Potentially unlimited growth of excised tomato root tips in a liquid medium. Plant Physiology 9: 585-600. illus. Jl.1934. no.3.

Proc. Amer. Phil. Soc. (Philadelphia) (500P533)

Mains, E. B.

The genera *Cordyceps* and *Ophiocordyceps* in Michigan. Proc. Amer. Phil. Soc. 74: 265-271. iv pl. Ag. 1934. no.4.

*C. michiganensis*, *O. macularia*, n.spp.

Protoplasma (Leipzig) (442.8P94)

Collander, R.

Plasmolytische beobachtungen an den epidermiszellen von *Rhoeo discolor*. Protoplasma 21: 226-234. illus. My. 1934. no.2.

Heyn, A. N. J.

Weitere untersuchungen über den mechanismus der zellstreckung und die eigenschaften der zellmembran. II. Das röntgendiagramm von jungen wachsenden zellwänden und parenchymatischen gewebe. Protoplasma 21: 299-305. illus. My. 1934. no.2.



Protoplasma (cont.)

Malowan, S. L.

Wuchstoffe und pflanzenwachstum. Protoplasma  
21: 306-322. My. 1934. no.2.  
Sammelreferat.

Menke, W.

Chloroplasten-studien. Protoplasma 21:  
279-298. illus. My. 1934. no.2.

Prat, S.

Local accumulation of the cell content and  
growth. Protoplasma 21: 181-189. illus. My.  
1934. no.2.

Rubinstein, D. L. & Uspenskaja, V.

Ueber den isoelektrischen punkt der pflanzlichen  
plasmahaut. Protoplasma 21: 191-225. illus.  
My. 1934. no.2.

Publ. Bot.Inst. Sci. Dept. Kyoto Imp. Univ. (451K99)

Kuwada, Y & Nakamura, T.

Behaviour of chromonemata in mitosis III. Obser-  
vation of living staminate hair cells in Tradescantia  
reflexa. Reprinted from Mem. Coll. Sci. Kyoto Imp.  
Univ. Ser. B, 9: 343-366. pl. xv-xvi. 1934. as Publ.  
Bot. Inst. Sci. Dept. Kyoto Imp. Univ. no. 37.

Rep. Prov. Mus. Nat. Hist. Brit. Columbia. (517B77)

Brinkman, A. H.

List of hepatics of Pacific Coast and adjoining  
territory. Rep. Prov. Mus. Nat. Hist. Brit. Columbia  
1933: 24-33. 1934.

Graham, R.

Notes on the flora of the Peace River. Rep. Prov.  
Mus. Nat. Hist. Brit. Columbia 1933: 13-24. 1934.

Res. Bull. Imp. Hort. Exp. Stat Okitsu, Japan. (J107.60k35)

Kishima, J.

Investigations on spawn culture of *Psalliota*  
*compestris* in Japan. Res. Bull. Imp. Hort.  
Exp. Stat. Okitsu, Japan. No. 18, 91 p. illus.  
Jl. 1934.

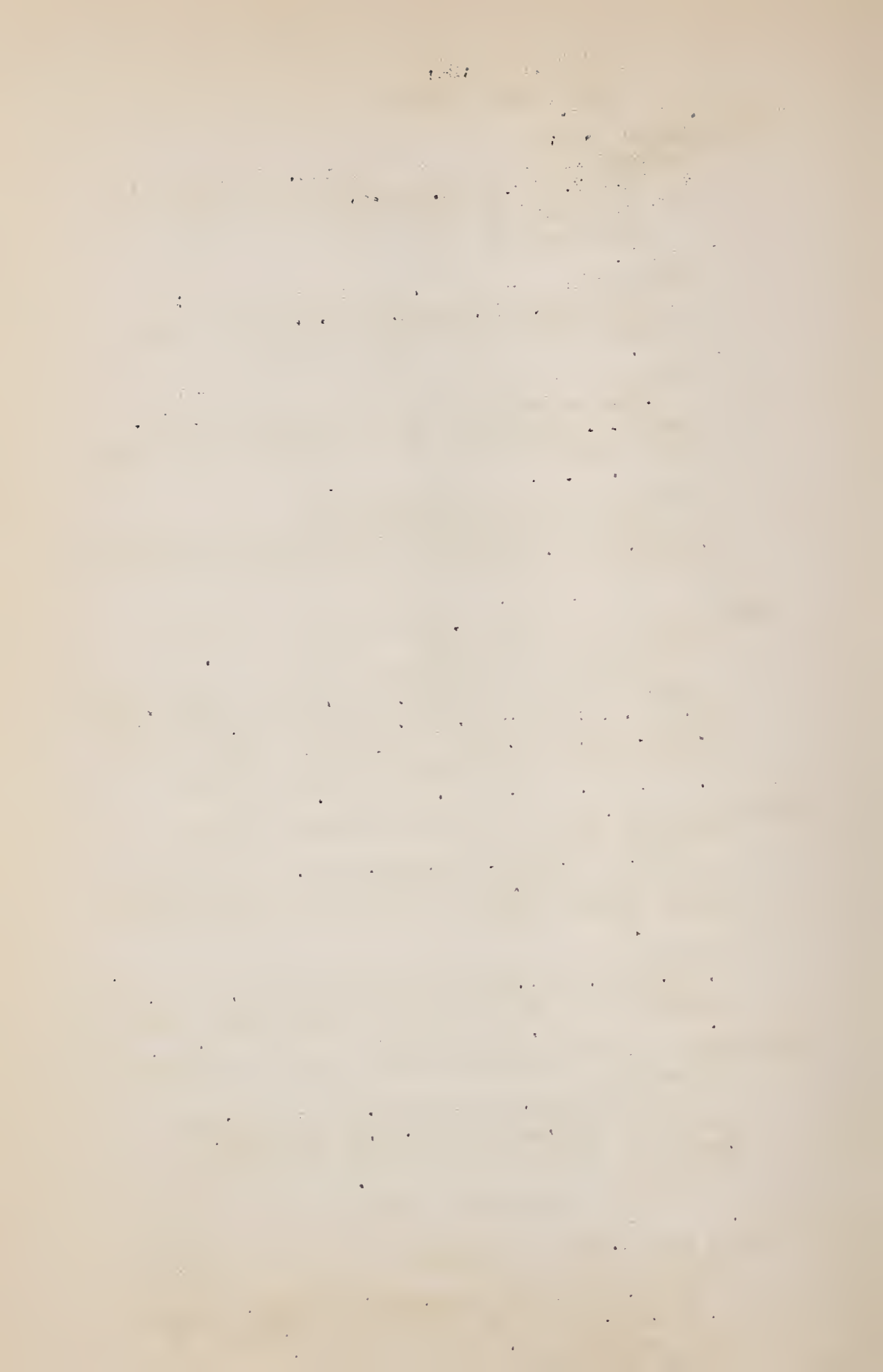
Japanese with English summary.

Rev. Bot. Appl. (Paris) (26R323)

Chevalier, A.

Observations sur les quelques bananiers sauvages  
et cultivés. Rev. Bot. Appl. 14: 506-521. Jl.  
1934. no. 155.

*Musa splendida*, *M. corbierii*, n. spp.



Rev. Bot. Appl. (cont.)

Chevalier, A.

Orobanchacées parasites des bambous, du riz  
et de la canne à sucre. Rev. Bot. Appl. 14:  
536-538. Jl. 1934. no.155.

Chevalier, A.

Plantes pour aquariums pouvant être produites  
dans les colonies. Rev. Bot. Appl. 14: 479-491.  
illus. Jl. 1934. no.155.

Rev. Vitic. (Paris) (95.8R322)

Viala, P. & Marsais, P.

Le court-noué (cont.). Rev. Vitic. 81: 85-90.  
illus. Ag.9,1934. no.2093.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Barnes, J. W.

Some trees, shrubs, shrubby-herbaceous plants,  
climbers and water plants. Rhodesia Agr. Journ.  
31: 507-536. 14 pl. Jl. 1934. no.7.

Science (470Sci2)

The Beltsville research center. Science 80:  
223-224. S.7, 1934. no.2071.

The elm tree disease in New York and New Jersey.  
Science 70: 200. Ag.31, 1934. no.2070.

Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westfal. (Bonn) (509B64S)

Laubert, R.

Schmarotzerpilze aus dem Ruhrgebiet. Sitzungsb.  
Naturh. Ver. Preuss. Rheinl. u. Westfal. 1932/33,  
D: 49-52. 1934.

Loeske, L.

Ueber einige rheinische Didymodon-formen.  
Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westfal.  
1932/33, D: 16-19. 1934.

Ludwig, A.

Zur kenntnis der formen der Anemone nemorosa des  
Siegerlandes und des Westerwaldes. Sitzungsb.  
Naturh. Ver. Preuss. Rheinl. u. Westfal. 1932/33,  
D: 10-11. 1934.

Ludwig, A.

Beiträge zur pilzflora des Siegerlandes und des  
hohen Westerwaldes. Sitzungsb. Naturh. Ver.  
Preuss. Rheinl. u. Westfal. 1932/33, D: 27-33. 1934.

1900

Sitzungsb. Naturh. Ver. Preuss. Rheinl. u. Westfal. (cont.)  
Schumacher, A.

*Sphagnum strictum* Sull, ein neues torfmoos für  
Deutschland. Sitzungsb. Naturh. Ver. Preuss.  
Rheinl. u. Westfal. 1932/33, D: 1-9. illus. 1934.

Skrift. Svalbard og Ishavet (Oslo) (409N76)

Devold, J. & Scholander, P. F.

Flowering plants and ferns of southeast Greenland.  
Skrift. Svalbard og Ishavet no.56. 209 p. illus.  
map. Ag.5, 1933.

Omang, S. O. F.

Uebersicht über die *Hieracium*flora Ost-Grönlands  
und bemerkungen betreffend zwei monstrositäten des  
*Hieracium alpinum* (L.)Backh. Skrift. Svalbard  
og Ishavet no.55. 16 p. 3 pl., map. 1933.  
*H. scholanderi*, *H. devoldii* n.spp.

Soil Sci. (Baltimore) (56.8So3)

Anderson, M. S. & Byers, H. G.

The carbon-nitrogen ratio in relation to  
soil classification. Soil Sci. 38: 121-138.  
Ag. 1934. no.2.

Farris, N. F.

Root habits of certain crop plants as observed  
in the humid soils of New Jersey. Soil Sci. 38:  
87-111. illus. Ag.1934. no.2.

White potatoes, red clover and corn.

So. African Gard. (Johannesburg) (80So87)

Plants new or noteworthy. South African plants  
cultivated in the National botanic gardens, Kirsten-  
bosch, and in our reader's gardens. So. African  
Gard. 24:197-198, 201. illus. Ag.1934. no.8.

*Argyroderma aureum*, *A. luckhoffii*, *A. angustipeta-*  
*lum*, *A. villetii*, *L. Bolus*, n.spp.

Sucrerie Belge. (66.8Sul)

Colin, H. & Picault, M.

L'espèce spontanée *Beta patellaris* Moq.-Tond.  
Sucrerie Belge 54: 2-7. illus. S.1, 1934. no.1.

Suomen Maataloust. Seuran Julk.(Acta Agralia Fenn.) (Helsinki)  
(20Su7)

Rancken, G.

Zytologische untersuchungen an einigen wirtschaft-  
lich wertvollen wiesengräsern mit besonderer berück-  
sichtigung von strukturellen abweichungen in dem  
chromosomenkomplement. Suomen Maataloust. Seu-  
ran Julk. (Acta Agralia Fenn.) no.29. 96 p. illus.,  
ii pl. 1934.

*Festuca elatior* subsp. *pratensis*, *Alopecurus pra-*  
*tensis*, *Poa pratensis*, *Dactylis glomerata*.



Torreya (450T63)

Berry, C. T.

A Talbot cypress swamp at Greenbury Point,  
Maryland. Torreya 34: 85-91. Jl./Ag. 1934. no.4.

Core, E. L.

The blister pine in West Virginia. Torreya  
34: 92-93. illus. Jl./Ag. 1934. no.4.

Thinks it may be a distinct species, possibly  
derived by hybridization from *A. balsamea* and *A.*  
*fraseri*.

Knobloch, I. W.

A few unusual plants noted in western New York.  
Torreya 34: 94. Jl./Ag. 1934. no.4.

Latham, R.

Botanical notes from Long Island. Torreya  
34:95. Jl./Ag. 1934. no.4.

*Rumex hastatulus*, *Lythrum linear*.

Torrey, R. H.

Lichens on old tombstones. Torreya 34: 96.  
Jl./Ag. 1934. no.4.

Trop. Agriculture West Indies (Trinidad) (26T754)

Baker, R. E. D.

Gummosis of citrus in Trinidad. I. "Marsh" grape-  
fruit on sour orange stock. Trop. Agriculture  
West Indies 11: 236-239. illus. S.1934. no.9.

Wardlaw, C. W., Leonard, E. R. & Baker, R. E. D.

Observations on the storage of various fruits  
and vegetables. I-II. Trop. Agriculture West  
Indies 11: 196-200, 230-235. Ag., S. 1934. no.8, 9.

Trop. Woods, Yale Univ. Sch. For. (New Haven) (99.08Y1Tr)

Ducke, A.

Notes on vernacular names of trees from the  
Tapajoz river, Brazil. Trop. Woods, Yale Univ. Sch.  
For. 39: 11-16. S.1, 1934.

Ducke, A.

*Recordoxylon*: a new genus of Leguminosae-  
Caesalpinioideae. Trop. Woods, Yale Univ. Sch.  
For. 39: 16-18. S.1, 1934.

*R. amazonicum* (*Melanoxylon*).

Garratt, G. A.

Systematic anatomy of the woods of the *Monimia-*  
*ceae*. Trop. Woods, Yale Univ. Sch. For. 39: 18-  
44. iv pl. S.1, 1934.

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..

Trop. Woods, Yale Univ. Sch. For. (cont.)

Wieland, G. R.

Wood anatomy and angiosperm origin. Trop.  
Woods, Yale Univ. Sch. For. 39: 1-11. S.1, 1934.

U. S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Cobb, G. S., Steiner, G. & Blanton, F. S.

Observations on the significance of weeds as  
carriers of the bulb or stem nematode in narcis-  
sus plantings. U.S. Dept. Agr. Plant Dis. Rep.  
18: 127-129. Ag.15, 1934. no.10.

Diehl, W. W.

A heath rust new to the United States. U.S.  
Dept. Agr. Plant Dis. Rep. 18: 126-127. Ag.15,  
1934. no.10.

Uredo ericae.

Hastings, R. J.

The early development of dormant colonies of  
pre-adult *Anguillulina dipsaci* (Kuhn 1858) Gerv.  
& V. Ben. 1859, in narcissus bulbs in British  
Columbia and the significance of their resistance  
to heat. U. S. Dept. Agr. Plant Dis. Rept. 18:  
129-130. Ag.15, 1934. no.10.

Stevens, N. E.

Bacterial wilt of corn in 1934. U.S. Dept.  
Agr. Plant Dis. Rep. 18: 120-122. Ag.15, 1934. no.10.

U. S. Dept. Agr. Techn. Bull. (1Ag84Te)

Stuart, W. & Milstead, E. H.

Shortening the rest period of the potato.  
U.S. Dept. Agr. Techn. Bull. 415. 31 p. illus.,  
fold.tab. Jl. 1934.

Univ. Colorado Stud. (Boulder) (500C715)

Jones, M. H.

Two red algae in Colorado. Univ. Colorado Stud.  
21: 273-274. Ag.1934. no.4.

*Bactrachospermum*, *Chantransia*.

Yale Univ. School For. Bull. (99.9Y1B)

Lutz, H. J.

Ecological relations in the pitch pine plains of  
southern New Jersey. Yale Univ. School For. Bull.  
38. 80 p. plates, map. 1934.



Zeitschrift Pflanzenkr. (Stuttgart) (464.8Z3)

Tubeuf, C. v.

Absterben von ulmenästen. Zeitschr. Pflanzenkr. 44: 423-430. illus. Ag. 1934. no.8.

Zeitschr. Zuckerind. Cechoslovak. Rep. (66.8Z3)

Stehlik, V.

Einfluss des bodens auf die anfangsentwicklung der rübe mit besonderer rücksicht auf die rübenkrankheiten. Zeitschr. Zuckerind. Cechoslovak. Rep. 58: 437-444. illus. Ag.17, 1934. no.50.

Zeitschr. Zücht. A. Pflanzenzücht. (Berlin) (450Z36)

Crebert, H.

Beiträge zur züchtung einjährige hülsenfrüchte. Zeitschr. Zücht. A. Pflanzenzücht. 19: 526-549. Ag. 1934. no.4.

Honecker, L.

Ueber die modifizierbarkeit des befallens und das auftreten verschiedener physiologischer formen beim mehltau der gerste, Erysiphe graminis hordei Marchal. Zeitschr. Zücht. A. Pflanzenzücht. 19: 577-602. illus. Ag. 1934. no.4.

Kostoff, D.

Inheritance of natural immunity in plants with special reference to breeding of immune varieties. Zeitschr. Zücht. A. Pflanzenzücht. 19: 550-576. Ag. 1934. no.4.

Lebedeff, V. N.

Neue fülle der formierung von amphidiploiden in Weizen-roggen-bastarden. Vorläufige mitteilung. Zeitschr. Zücht. A. Pflanzenzücht. 19: 509-525. illus. Ag. 1934. no.4.

Raum, H.

Fortgesetzte untersuchungen über die vererbung von ähreneigenschaften bei kreuzungen zwischen emmer- und dinkelreihe des weizens. Zeitschr. Zücht. A. Pflanzenzücht. 19: 467-508. Ag.1934. no.4.

Zentralbl. Bakt. Abt.II. (Jena) (448.3C33)

Diddens, H. A.

Eine neue pilzgattung, Hyalodendron. Zentralbl. Bakt. Abt.II. 90: 315-319. illus. Ag.10, 1934. no.14/19.

H. lignicola n.sp.

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

... ..  
... ..  
... ..

Zentralbl. Bakt. Abt.II. (cont.)

Stapp, C.

Eine bakteriose an chrysanthemem. Zentralbl. Bakt. Abt.II. 90: 320-329. illus. Ag.10, 1934. no.14/19.

*Pseudomonas* (Bacterium) *syringae*.

Der Züchter. (Berlin) (442.8Z8)

Boekholt, K.

Physiologie und pflanzenzüchtung. Der Züchter 6: 149-152. J1. 1934. no.7.

Decker, K.

Welche zuchtziele fordert der deutsche weinbau? Der Züchter 6: 162-165. J1. 1934. no.7.

Feistritzer, W.

Die jarovisation landwirtschaftlicher kulturpflanzen. Der Züchter 6: 153-155. J1.1934. no.7.

Kattermann, G.

Entstehung und züchtung intermediär-konstanter weizenroggenbastarde. Der Züchter 6: 145-146. J1. 1934. no.7.

Krug, C. A.

Beitrag zur cytologie des genus *Coffea*. Der Züchter 6: 166-168. illus. J1. 1934. no.7.

Ostermayer, A.

Pflanzenzüchtung auf widerstandsfähigkeit gegen trockenperioden. Der Züchter 6: 155-162. J1. 1934. no.7.

Schneider, F.

Identifizierung anonym gegebener morphologisch ähnlicher sorten von zucker- und futterrüben. Der Züchter 6: 147-149. J1. 1934. no.7.

Exp. Stat. Publ.

Bainer, R. & Borthwick, H. A.

Thresher and other mechanical injury to seed beans of the lima type. California Agr. Exp. Stat. Bull. 580. 30 p. illus. J1. 1934. (100C12S)

McCollum, J. P.

Vegetative and reproductive responses associated with fruit development in the cucumber. Cornell Agr. Exp. Stat. Mem. 163. 27 p. illus. Je. 1934 (Rec'd S.) (100N48C)



Exp. Stat. Publ. (cont.)

Keim, F. D. & Frolik, A. L.

Common grass weeds of Nebraska. Nebraska Agr.  
Exp. Stat. Bull. 288. 40 p. illus. Je. 1934  
(Rec'd S.) (100N27)

Kiesselbach, T. A., Petersen, N. F. & Burr, W. W.

Bindweeds and their control. Nebraska Agr.  
Exp. Stat. Bull. 287. 47 p. illus. My. 1934.  
(Rec'd S.) (100N27)

Barnett, H. L. & Hanson, H. C.

Control of leafy spurge and review of literature  
on chemical weed control. North Dakota Agr. Exp.  
Stat. Bull. 277. 32 p. illus. My. 1934(Rec'd S.)  
(100N813)

Havis, L.

Some factors which influence the fruiting habit  
of Henderson's bush lima bean (*Phaseolus lunatus*).  
Ohio Agr. Exp. Stat. Bull. 535. 13 p. illus.  
Je. 1934(Rec'd Ag.) (1000h3S)

Ohio agricultural experiment station

Horticulture at the Ohio agricultural experiment  
station, Wooster, Ohio. Its Spec. Circ. 45. 51 p.  
illus. Ag.1934. (1000h3S)

Bold, H. C. & Gershoy, A.

Studies in North American violets. IV. Vermont  
Agr. Exp. Stat. Bull. 378. 35 p. xv pl. Je. 1934.  
(Rec'd S.) (100V59)

Vermont agricultural experiment station

Plant pathology. In its Ann. Rep. 47th(1933/  
34,Bull.380): 21-22. 1934. (100V59)

B.F. Lutman pathologist.

Baker, K. F. & Heald, F.D.

An investigation of factors affecting the inci-  
dence of lenticel infection of apples by *Penicillium*  
*expansum*. Washington Agr. Exp. Stat. Bull. 298.  
48 p. Je. 1934(Rec'd S.) (100W27E)

New Books.

Dioscorides,

The Greek herbal of Dioscoridies illustrated  
by a Byzantine A.D. 512, Englished by John Good-  
year, A. D. 1655, edited and first printed A. D. 1933  
by R.T. Gunther... Oxford, University press, 1934.  
(452.2D62G)



New Books (cont.)

Marshall, R. C.

Trees of Trinidad and Tobago. Trinidad,  
Government printing office, 1934. (456.3T732)

Martinez, M.

Las plantas medicinales de Mexico. Mexico,  
Ediciones Botas, 1933. (456.1M36P)

Stell, F.

Report of Mr. F. Stell, mycologist, Department  
of agriculture, on his visit to Ecuador to study  
witchbroom diseases (*Marasmius perniciosus*) of  
cocoa. Trinidad, Government printing office, 1933.  
(Trinidad and Tobago. Council paper no.137 of 1933)  
(464.09T73)

Zastrow, E.

Experimentelle studien über die anpassung von  
wasser- und sumpfmooßen. Jena, G. Fischer, 1934  
(Pflanzenforschung hrsg., von R. Kolkwitz h.17)  
(463.3K83P)

Non-current indexing.

Compt. Rend. Congr. Intern. Hort. 10e, Paris, 1932 (90.09C7610)

Allan, H. H.

The horticultural significance of wild hybrids  
in the New Zealand flora. Compt. Rend. Congr. In-  
tern. Hort. 10e, Paris, 1932. p.236-244. [1932]

Cayeux, L.

Note sur les maladies bactériennes et crypto-  
gamiques constatées sur le Dahlia en France et  
leur traitement. Compt. Rend. Congr. Intern.  
Hort. 10e, Paris, 1932. p.153-156. [1932]

Dufrenoy, J.

Les facteurs biochimiques de l'immunité locale  
chez les plantes. Compt. Rend. Congr. Intern.  
Hort., 10e, Paris, 1932. p. 128-132. [1932]

Dufrenoy, J.

Les maladies à virus. Compt. Rend. Congr. Intern.  
Hort. 10e, Paris, 1932. p.94-127. illus. [1932]

Guillaumin, A.

Nécessité de ne pas omettre les noms d'auteur  
dans les catalogues horticoles. Compt. Rend.  
Congr. Intern. Hort. 10e, Paris, 1932. p.286-287.  
[1932]



Non-current indexing. (cont.)

Compt. Rend. Congr. Intern. Hort. 10e, Paris, 1932 (cont.)

Guinet, C.

Création et organisation moderne des jardins  
botaniques. Compt. Rend. Congr. Intern. Hort.  
10e, Paris, 1932. p.259-272. [1932]

Hall, Sir D.

The genus Tulipa. Compt. Rend. Congr. Intern.  
Hort. 10e, Paris, 1932. p.245-247. [1932]

Hall, Sir D.

The origin of the garden tulip. Compt. Rend.  
Congr. Intern. Hort. 10e, Paris, 1932. p.548-549.  
[1932]

Höfker, H.

Der geographisch ökologische garten. Compt. Rend.  
Congr. Intern. Hort. 10e, Paris, 1932. p.273-276.  
[1932]

Klotz, L. J.

A resume of some aspects of disease resistance in  
plants. Compt. Rend. Congr. Intern. Hort. 10e,  
Paris, 1932. p.87-93. [1932]

Palmer, R. C. & Strachan, C. C.

Bud variation in the apple. Compt. Rend. Congr.  
Intern. Hort. 10e, Paris, 1932. p.185-192. [1932]

Porter, D. R.

Disease resistance among truck crop plants.  
Compt. Rend. Congr. Intern. Hort. 10e, Paris, 1932.  
p. 133-152. [1932]

Pynaert, C.

Recherches et experience en vue de la destruc-  
tion des germes nocifs contenus dans la terre en-  
tourant les racines des plantes. Compt. Rend.  
Congr. Intern. Hort. 10e, Paris, 1932. p.75-79.  
[1932]

Sander, O.

Zuchtungsfragen bei Primula malacoides. Compt.  
Rend. Congr. Intern. Hort. 10e, Paris, 1932. p.193-  
195. [1932]

Scheerlinck, H. & Charliers, N.

La desinfection du sol et la lutte contre les  
maladies des plantes. Compt. Rend. Congr. Intern.  
Hort. 10e, Paris, 1932. p.80-86. [1932]



Non-current indexing, (cont.)

Compt. Rend. Congr. Intern. Hort. 10e, Paris, 1932 (cont.)

Schoener, G. M. A.

The hybridization of roses in America.

Compt. Rend. Congr. Intern. Hort. 10e, Paris,  
1932, p.222-235. [1932]

Simonet, M.

Polyploidie accompagnée de gigantisme chez les  
plantes horticoles. Compt. Rend. Congr. Intern.  
Hort. 10e, Paris, 1932. p.197-208. illus. [1932]

Woycicki, S.

Essais de solution du problème de l'hybridité  
végétative chez les lilas. Compt. Rend. Congr.  
Intern. Hort. 10e, Paris, 1932. p.214-221. illus.  
[1932]

Hong-Kong Nat. (410H75)

Herklots, G. A. C.

Orchidaceae of Hong Kong. V. i.e., VI. Hong Kong  
Nat. 3: 170-185. illus. pl.24-25. D.1932. no.3/4.

Herklots, G. A. C.

The flowering shrubs and trees of Hong Kong. III.  
Hong Kong Nat. 3: 194-206. illus., pl.30-31. D.  
1932. no.3/4.

McClure, F. A.

The Chinese sacred lily. Hong Kong Nat. 3: 186-  
193. illus., pl.26-29. D.1932. no.3/4.

La Terre et la Vie (Paris) (410T27)

Aubert de la Rüe, E.

La flore et la faune des Iles Saint-Paul et  
Amsterdam. La Terre et la Vie 2: 642-662. illus.  
N. 1932. no.11.

La Vida Agr. (Lima) (9.8V66)

Barton,

Las enfermedades parasitarias y no parasitarias  
que danan los árboles frutales y sus producciones  
en Lima y alrededores. I-II. La Vida Agr. 8: 828-  
834. illus. D.1931; 9: 7-11. illus. Ja.1932.

Ferrero, R. A.

Aspectos del problema del wilt. La Vida Agr.  
10: 1319-1330. Ag.1933. no.117.  
Cotton.



Non-current indexing. (cont.)

La Vida Agr. (cont.)

Gaudron, J.

Una peste de los panamitos en el Valle de Canete. La enfermedad de la Roya del Fejol. La Vida Agr. 8: 313-318. illus. My.1931. no.90. *Uromyces appendiculatur*.

Translations filed in Library of Bur. of Plant Industry.

Ivanov, L.A.

Solnechnaia radiatsiia kak ekologicheskii faktor (Solar radiation as an ecological factor) Trudy Prikl. Bot., Gen. i Sel. (Bull. Appl. Bot., Gen. & Plant Breed. 18(5):345-368. 1928.

Kallenbach, F.

*Polyporus squamosus* Huds. (*Melanopus squamosus* Pat.) Zeitschr. Pilzk. 13(n.s.8): 154-156. So.30, 1929.

Kapshuk, A. A.

Bakteriologicheskoe izuchenie kornevogo raka plodovykh derev'ev (Bacterial study of crown gall of fruit trees). Trudy Severo-Kavkaz. Inst. Zashch. Rast. (Bull. North Caucas. Inst. Plant Prot.) 8: 69-78. 1933.

Klebahn, H.

Eine blattkrankheit der edelkastanie und einige sie begleitende pilze. (A leaf disease of chestnut accompanied by certain fungi). Zeitschr. Pflanzenkr. 44: 1-23. Ja.1934.

Kondo, M.

Ueber die harten samen von *Astragalus sinicus* L. und *Robinia pseudoacacia* L. (On the hard seeds of *Astragalus sinicus* L. and *Robinia pseudoacacia* L.) Ber. Ohara Inst. Landw. Forsch. 4: 289-293. 1929.

Lagerberg, T.

Rötskadör a barrvirke i vatten. (Rot-damage to coniferous timbers in water) Svenska Skogsvards-fören. Tidskr. (Journ. Swedish For. Soc.) 26: 617-658. 1929.



lc  
**BOTANY**  
CURRENT LITERATURE

LIBRARY  
RECEIVED  
★ OCT 8 - 1934 ★

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

U. S. Department of Agriculture

Vol. 16, no. 19.

Sept. 10-22, 1934.

Abstr. Diss. Ph.D. Ohio State Univ. (241.80h3)

Hicks, L. E.

The original forest vegetation and the vascular  
flora of northeastern Ohio - Ashtabula County.

Abstr. Diss. Ph.D. Ohio State Univ. 13: 109-116.  
1934.

Adm. Rep. Travancore Dept. Agr. & Fish. (22T69)

Travancore. Dept. of Agriculture and fisheries

Mycology. In its Ann. Rep. 1932/33: 7-9.

[1934]

M. K. Varghese mycologist.

Agric. Colon. (Firenze) (26Ag82)

Taschdjian, E.

Indentificazione fisiologica di differenti  
linee di Coffea arabica. Agric. Colon. (Firenze)  
28: 428-431. Ag. 1934. no. 8.

Agr. Gaz. N.S.W. (Sydney) (23M472)

Dawson, G. T.

Seed-borne flag smut infection effectively  
controlled by copper carbonate treatment. Agr.  
Gaz. N.S.W. 45: 431-432. illus. Ag. 1, 1934. no. 8.

Magee, C. J.

A new dip for potato scab. Agr. Gaz. N.S.W.  
45: 441-442. illus. Ag. 1, 1934. no. 8.

"The acidulated corrosive sublimate dip".

Agr. Journ. Dept. Sci. & Agr. Barbados (8B23)

Wiles, D. R. D.

Report of plant diseases inspector. Agr. Journ.  
Dept. Sci. & Agr. Barbados 3(2): 39-43. Ap. 1934.

Agronomia (Tartu, Esthonia) (20Ag87)

Tomson, R.

Ristikuvähk ja teised ristiku haigused eestis.  
Agronomia 14: 293-304. illus. Ag. 1934. no. 8.  
Sclerotinia trifoliorum.



Amer. Fern Journ. (450Am35)

House, H. D.

Saving the Scolopendrium fern. Amer. Fern Journ. 24: 65-71. pl.4-5. Jl./S. 1934. no.3.

Kittredge, E. M.

A Vermont fern garden. Amer. Fern Journ. 24: 84-86. Jl./S. 1934. no.3.

Maxon, W. R.

New tropical American ferns. XII. Amer. Fern Journ. 24:72-75. Jl./S. 1934. no.3.

Asplenium membranifolium, Oleandra archeri.

Sharpe, M. R.

Success with ferns. Amer. Fern Journ. 24: 76-79. Jl./S. 1934. no.3.

Taylor, T.M.C.

Notes on some Ontario pteridophytes. Amer. Fern Journ. 24: 79-83. Jl./S. 1934. no.3.

Wherry, E. T.

American bracken on limestone. Amer. Fern Journ. 24: 93-93. Jl./S.1934. no.3.

More fern-garden lists. Amer. Fern Journ. 24: 87-92. Jl./S. 1934. no.3.

Lists received from various members.

Amer. Midl. Nat. (Notre Dame, Ind.) (410M58)

Bush, B. F.

Prof. Shepard's Trees of Greene County. Amer. Midl. Nat. 15: 581-585. S.1934. no.5.

Reprint with annotations of Prof. Shepard's "A list of the native trees of the county" which originally appeared in his A report on Greene County. Geol. Surv. Missouri [Publ.] v.12, pt.1. 1898.

Potzger, J. E.

A notable case of bog formation. Amer. Midl. Nat. 15: 567-580. illus. S.1934. no.5.

Baxter's Bog in Monroe Co., Indiana.

Amer. Nat. (470Am36)

Anderson, E. G. & Clokey, I. W.

Chromosomes involved in a series of interchanges in maize. Amer. Nat. 68: 440-445. S./O. 1934. no.718.



Amer.Nat. (cont.)

East, E. M.

The nucleus-plasma problem. II. Amer. Nat.  
68: 402-439. S./O. 1934. no.718.

Sass, J. E.

Chromosome fragmentation in *Lilium tigrinum*  
Ker. Amer. Nat. 68: 471-475. illus. S./O.  
1934. no.718.

Amer. Nurserym. (Rochester, N.Y.) (80Am371)

Chadwick, L. C.

New and worthy ornamental vines. Amer. Nurserym.  
60(5): 5-6. S.1, 1934.

Describes some vines observed growing at the  
Arnold arboretum which nurserymen should not over-  
look.

Wyman, D.

Causes of severe winter injury. Amer. Nurserym.  
60(5): 3-4, 11. S.1, 1934.

Anal. Inst. Cerc. Agron. României (Ann. Inst. Rech. Agron.  
Roumania) (Bucuresti)

Savulescu, T. & Rayss, T.

Putrezirea uscată a stiuleților de porumb in  
România. Anal.Inst. Cerc. Agron. României  
(Ann. Inst. Rech. Agron. Roumanie) 5: 3-112. illus.  
D. 1933.

Ann. Inst. Pasteur (Paris) (448.3An75)

Volkonsky, M.

Sur la nutrition de quelques champignons  
saprophytes et parasites. Ann. Inst. Pasteur  
52: 76-101. Ja. 1934. no.1.

Ann. Soc. Linn. Lyon (505L992)

Beauverie, M. A.

Le cicendietum en Dombes à propos d'une locali-  
té de *Cicendia pusilla* (Griseb.) Ann. Soc. Linn.  
n.s., 77: 46-54. illus. 1934.

Josserand, H.

Importance de l'ornementation piléique pour  
la détermination des coprins. Ann. Soc. Linn.  
Lyon n.s., 77: 89-95. illus. 1934.

Josserand, M.

L'étude des coprins fimicoles. Ann. Soc. Linn.  
Lyon n.s., 77: 96-113, illus. 1934.



Ann. Soc. Linn. Lyon (cont.)

Lignier, O. & Pouchet, A.

Note sur trois myxomycètes nouveaux pour la France. Ann. Soc. Linn. Lyon n.s., 77: 80-88. illus. 1934.

1. Echinostelium minutum de Bary. 2. Cribaria violacea Rex. 3. Comatrichia carnea G. Lister et Cran.

Ann. Tecn. Agr. (Rome) (16An73)

Curzi, M.

Le malattie da virus delle piante. (cont.)

Ann. Tecn. Agr. (Rome) 7: 257-272. Jl.1, 1934. no.3.

Jannone Lodispoto, G.

Studio botanico-agrario delle varietà di melograno coltivate in provincia di Bari.

Ann. Tecn. Agr. (Rome) 7: 285-300. Jl.1, 1934. no.3.

Vezzani, V.

Le foglie e i rametti d'alberi diversi nell'alimentazione del bestiame. Ann. Tecn. Agr.

(Rome) 7: 362-373. Jl.1, 1934. no.3.

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol (84B77)

Kearns, H. G. H. & Walton, C.L.

Experiments on the control of the chrysanthemum eelworm. (Aphelenchoides ritzema-bosi Schwartz).

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1933: 66-73. [1934]

Kearns, H.G.H., Marsh, R.W. & Swarbrick, T.

Further observations on the joint control of the apple sawfly and apple scab. Season 1933.

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1933: 60-65. fold.tab. [1934]

Ogilvie, L.

The effect of formalin on potato "sickness".

Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1933: 86-87. [1934]

Ogilvie, L., Swarbrick, T. & Thompson, C. R.

A note on a strawberry disease resembling the American "crinkle". Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol 1933: 96-97. 3 pl. [1934]



Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol (cont.)  
Ogilvie, L. & Mulligan, B. O.

Progress report on vegetable diseases V.  
Ann. Rep. Agr. & Hort. Res. Stat. Univ. Bristol  
1933: 98-120. 2 pl. [1934]

Thompson, C. R.

Raspberry varieties. An identification key and  
notes on varietal characters. Ann. Rep. Agr. &  
Hort. Res. Stat. Univ. Bristol 1933: 48-59.  
[1934]

Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard. Industr.  
Develop. Soc. Cheshunt (103N93)

Ainsworth, G. C.

Virus disease investigations. (cont.) Ann.  
Rep. Exp. & Res. Stat. Nursery & Mark. Gard.  
Industr. Devel. Soc. Cheshunt 19(1933): 54-64.  
illus. 1934.

Spotted wilt of tomato; mosaic disease of the  
cucumber; effect of manures on tomato plants in-  
fected with aucuba mosaic; experiment with seeds  
from "streaked" tomato plants.

Bewley, W. F. & Orchard, O. B.

Rose diseases. Ann. Rep. Exp. & Res. Stat.  
Nursery- & Mark. Gard. Industr. Devel. Soc. Cheshunt  
19(1933): 45-47. 1934.

Bolas, B. D.

The influence of light and temperature on the  
assimilation rate of seedling tomato plants, variety  
E.S.1. Ann. Rep. Exp. & Stat. Nursery & Mark.  
Gard. Industr. Devel. Soc. Cheshunt 19(1933): 84-87.  
1934.

Melville, R.

Water-content and assimilation of seedling  
tomato plants. Ann. Rep. Exp. & Res. Stat.  
Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt  
19(1933): 87-92. illus. 1934.

Orchard, O. B.

A combined fungicide and insecticide for use  
in controlling tomato leaf mold and the red spider  
mite. Ann. Rep. Exp. & Res. Stat. Nursery & Mark.  
Gard. Industr. Devel. Soc. Cheshunt 19(1933): 77.  
1934.

Colloidal and copper compound mixed with an oil  
emulsion.



Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard.  
Industr. Develop. Soc. Cheshunt (cont.)

Orchard, O. B. & Read, W.H.

Leaf mould of tomatoes. Ann. Rep. Exp. &  
Res. Stat. Nursery & Mark. Gard. Industr. devel.  
Soc. Cheshunt 19(1933): 67-68. 1934.  
Control measures.

Read, W. H.

Physiological investigations of mosaic disease  
of the tomato. (cont.) Ann. Rep. Exp. & Res.  
Stat. Nursery & Mark. Gard. Industr. Devel. Soc.  
Cheshunt 19(1933): 64-67. 1934.

Read, W. H. & Orchard, O. B.

Plant injury following the burning of sulphur  
in glasshouses. Ann. Rep. Exp. & Res. Stat.  
Nursery & Mark. Gard. Industr. Devel. Soc. Cheshunt  
19(1933): 98-100. 1934.

Soluble zinc salts result from combustion of  
sulphur in greenhouses containing galvanised wire  
or painted internally with "zinc white" paints.

Selman, I. W.

Some aspects of translocation in the seedling  
tomato plant. Ann. Rep. Exp. & Res. Stat. Nursery  
& Mark. Gard. Industr. Devel. Soc. Cheshunt  
19(1933): 93-97. 1934.

White, H. L.

The sterilization of lettuce seeds. Ann. Rep.  
Exp. & Res. Stat. Nursery & Mark. Gard. Industr. Devel.  
Soc. Cheshunt 19(1933): 47-51. 1934.

White, H. L.

Vegetable diseases. 1-3. Ann. Rep. Exp. &  
Res. Stat. Nursery & Mark. Gard. Industr. Devel.  
Soc. Cheshunt 19(1933): 52-54. 1934.

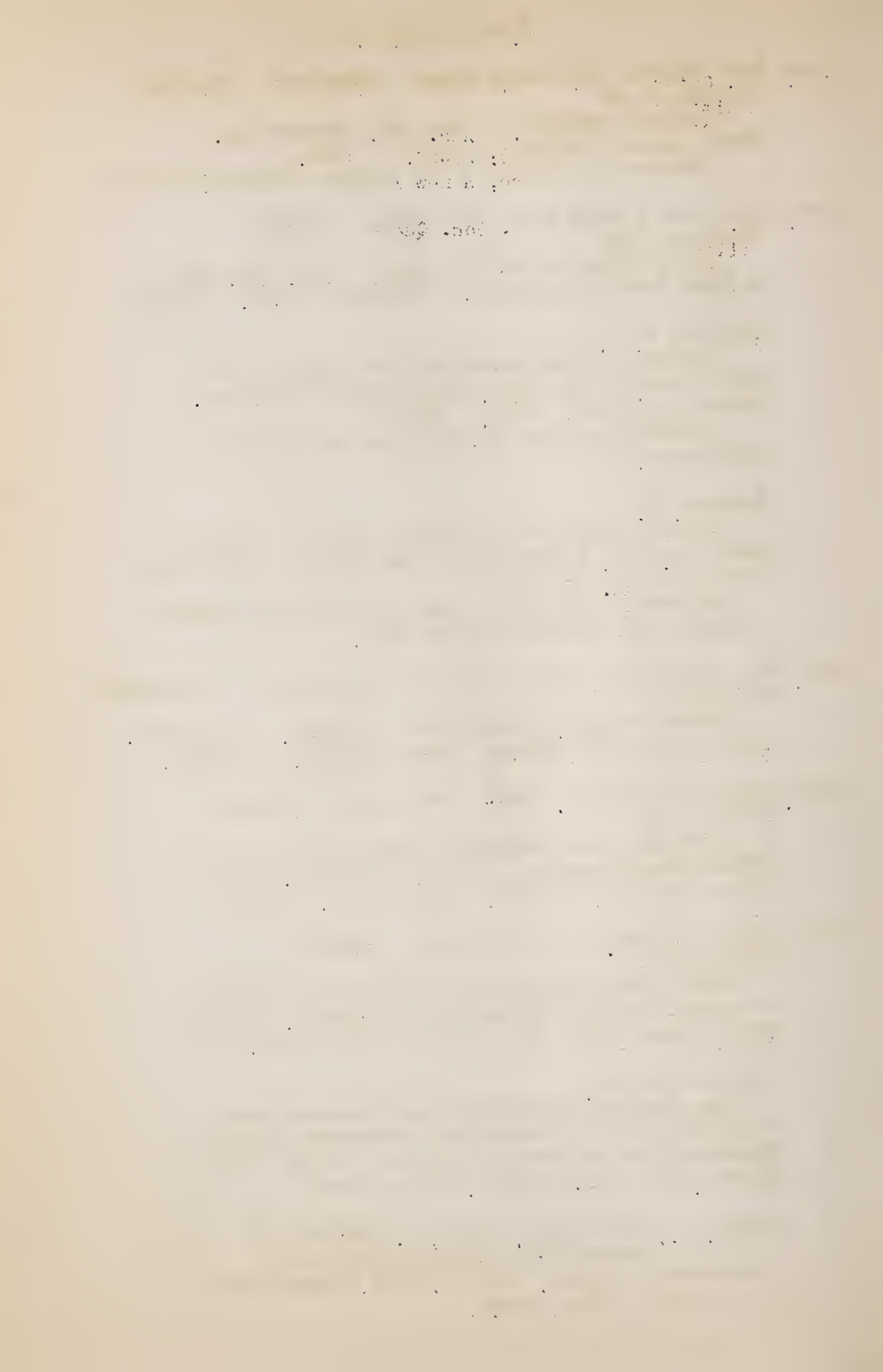
1. Botrytis rot, grey mould, or wilt of lettuce.  
2. Bean wilt. 3. Rhubarb disease (Cause not determined)

Williams, P. H.

Leafy gall of the chrysanthemum. (cont.)  
Ann. Rep. Exp. & Res. Stat. Nursery & Mark. Gard.  
Industr. Devel. Soc. Cheshunt 19(1933): 39-44.  
1934.



- Ann. Rep. Ontario Veg. Grow. Assoc. (Toronto) (75.90n8)  
Howitt, J. E.  
Disease problems. Ann. Rep. Ontario Veg.  
Grow. Assoc. 29(1933): 30-33. 1934.  
Tipburn of lettuce, a new lettuce disease (cause ?)
- Ann. Rep. Pom. & Fruit Grow. Soc. Quebec (82Q3)  
Brittain, W.H.  
The pollination of the apple. Ann. Rep. Pom.  
& Fruit Grow. Soc. Quebec 40(1933): 62-68. [1934]
- Burrell, A. B.  
Trends in spray materials for apples in New  
York State. Ann. Rep. Pom. & Fruit Grow. Soc.  
Quebec 40(1933): 75-84. [1934]  
Includes control of apple scab and injury by  
arsenicals.
- Godbout, F.  
Orchard spray service annual report - 1933.  
Ann. Rep. Pom. & Fruit Grow. Soc. Quebec 40(1933):  
69-75. illus. [1934]  
Includes scab control and review of development  
of apple scab epidemics since 1929.
- Ann. Rep. Rubber Res. Inst. Malaya (Kuala Lumpur) (78.9R824A)  
Beeley, F.  
Annual report. Pathological division. Ann. Rep.  
Rubber Res. Inst. Malaya 1933: 105-115. Jl. 1934.
- Arch. Suikerind. Nederl. Indië (Soerabaja) (65.8Ar2)  
Bolle, P. C.  
Over den tegenwoordigen stand van het  
pokkahboeng-vraagstuk. Arch. Suikerind. Nederl.  
Indie 1934(1): 435-440. Ag.1, 1934. no.15.
- Beitr. Biol. Pflanz. Cohn (Breslau) (450C66)  
Bürckner, E.  
Ueber stecklingsversuche an *Zebrina pendulata*  
*Schnizlein* und *Zebrina purpusii* Brückner. Beitr.  
Biol. Pflanz. Cohn 22: 103-138. 1934. no.2.
- Christiansen, W.  
Das pflanzengeographische und soziologische  
verhalten der salzpflanzen mit besonderer berück-  
sichtigung von Schleswig-Holstein. Beitr. Biol.  
Pflanz. Cohn 22: 139-154. 1934. no.2.
- Grafe, V., Fronka, J., Grafe, E. & Müller, E.  
Untersuchungen über die physiologie der  
pflanzenphosphatide. Beitr. Biol. Pflanz Cohn  
22: 198-224. 1934. no.2.



Beitr. Biol. Pflanz. Cohn (cont.)

Hönnekes, H.

Ueber die beziehungen zwischen der azidität und dem vorkommen einiger standortspflanzen des buchenwaldes. Beitr. Biol. Pflanz Cohn 22: 155-197. ix pl. 1934. no.2.

Biochem. Zeitschr. (Berlin) (384B522)

Gustafson, F. G.

Athylalkohol und acetaldehyde in gewissen arten von kakteen. Biochem. Zeitschr. 272: 172-179. illus. Ag.16, 1934. no.3/4.

Schoeller, W. & Goebel, H.

Die wirkung des follikelhormona suf pflanzen. III. Biochem. Zeitschr. 272: 215-221. illus. Ag.16, 1934. no.3/4.

Biol. Bull. (Woods Hole, Mass.) (442.8B52)

Braarud, T.

A note on the phytoplankton of the Gulf of Maine in the summer of 1933. Biol. Bull. 67: 76-83. Ag.1934. no.1.

Clarke, G. L. & Oster, R. H.

The penetration of the blue and red components of daylight into Atlantic coastal waters and its relation to phytoplankton metabolism. Biol. Bull. 67: 59-75. Ag. 1934. no.1.

Bol. Patol. Veg. y Entom. Agr. (Madrid) (464.9M26)

Alfaro, A.

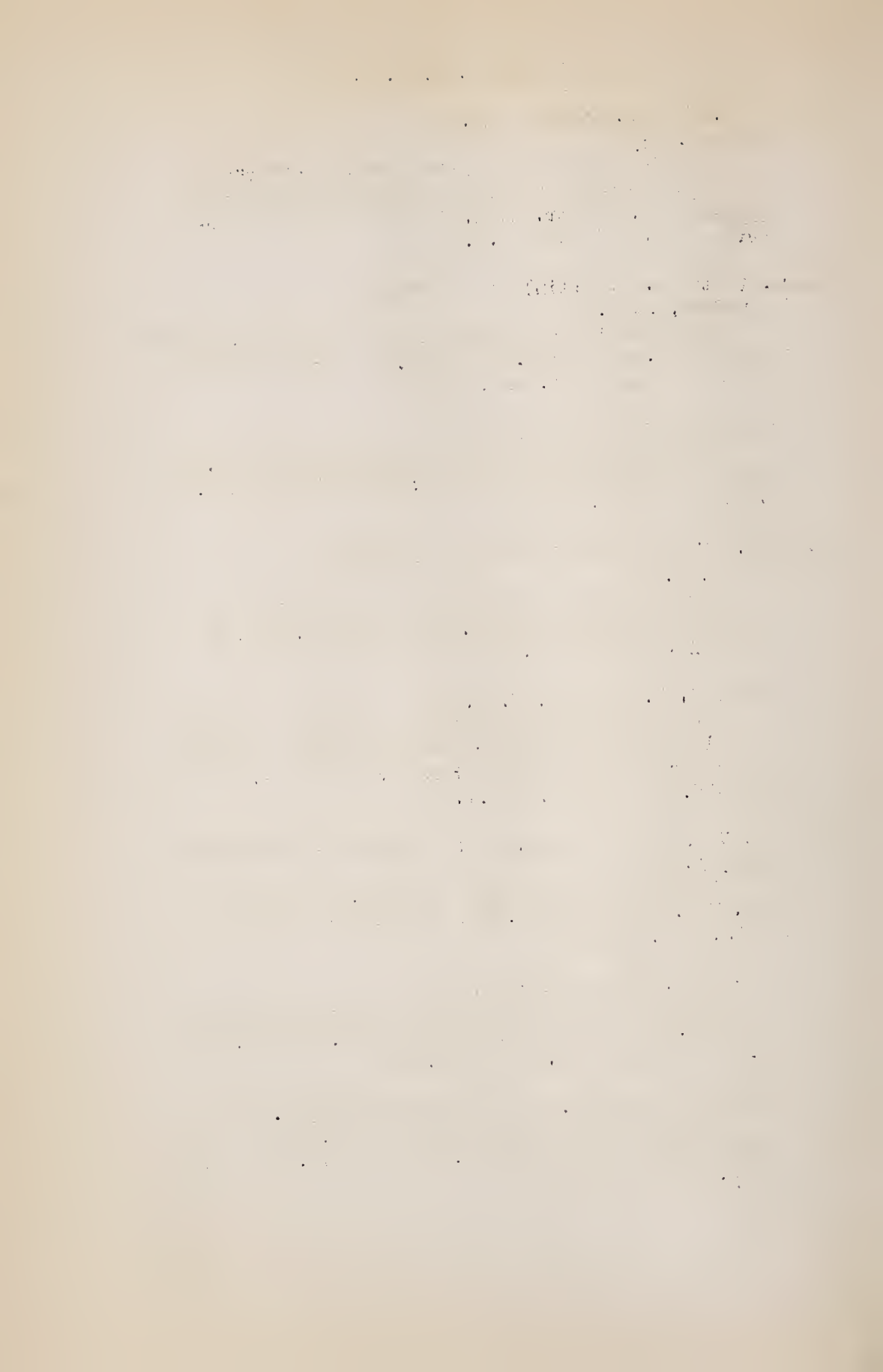
La "roseta" de naranjas y limones. Bol. Patol. Veg. y Entom. Agr. 7: 21-27. illus. D. 1933. no.27/30.

Benlloch, M. & Dominguez, F.

La enfermedad de los pimentales en Aldeanueva del Camino. Bol. Patol. Veg. y Entom. Agr. 7: 1-20. illus. D.1933. no.27/30.

Rodriguez Sardiña, J. & Urquijo Landañuce, P.

La podredumbre de la raíz de la viña. Bol. Patol. Veg. y Entom. Agr. 7: 208-216. illus. D. 1933. no.27/30.



Bot. Mus. Leaflet. Harvard Univ. (451H262)

Ames, O., Hubbard, F. T. & Schweinfurth, C.

Notes on Mexican Epidendrums based largely on the Erik M. Ostlund collection. Bot Mus. Leaflet. Harvard Univ. 3: 1-16. S.19, 1934. no.1.

*E. cyanocolumna*, *E. magnispatha*, *E. oestlundii*, *E. tenuissimum* n.spp.

Bot. Arch. (Leipzig) (450B6526)

Breindl, M.

Zur kenntnis der baumechanik des blütenkelches der dikotylen. Bot. Arch. 36: 191-268. illus. Ag. 1934. no.3.

English abstract: p.264-268.

Kolumbe, E.

Wald und heide in Schleswig-Holstein. (Eine stellungnahme zu den untersuchungsergebnissen von Fr. Mager). Bot. Arch. 36: 269-300. illus. Ag. 1934. no.3.

English abstract: p.298.

Stelzner, G.

Experimentelle untersuchungen über den die gerstenstreifenkrankheit hervorrufenden pilz *Helminthosporium gramineum* Rbh. unter besonderer berücksichtigung seiner infektionsverhältnisse. Bot. Arch. 36: 301-344. illus. Ag. 1934. no.3.

English abstract: p.343-344.

Bot. Zhurn. SSSR (451R923)

Aksent'ev, B. N.

Nekotorye dannye o gribnykh zabolevaniyakh baklazhana (*Solanum melongena* L.) na ogorodakh v okrestnostiakh g. Odessy (Einiges über die pilzkrankungen des *Solanum melongena* L. in den gemüsegärten bei Odessa) Bot. Zhurn. SSSR 19:11-15. 1934. no.1.

Russian with German summary.

Aleksandrov, V. G. & Dzhaparidze, L.I.

Materialy k poznaniyu moshchnosti provodiashchei vodu sistemy v listovykh chereshtkakh (Zur kenntnis der leistungsfähigkeit des wasserleitungssystems in den blattstielen). Bot. Zhurn. SSSR 19: 163-169. 1934. no.2.

Russian with German summary.



Bot. Zhurn. SSSR (cont.)

Aleksandrov, V. G. & Wislouch, V. I.

Osnovnye cherti stroeniia razlichnykh organov opiinogo maka (*Papaver somniferum* L.) i stepen rasprostraneniia v etikh organakh mlechnykh trubokh (Die hauptzüge des baues verschiedener organes des opium-mohns (*Papaver somniferum* L.) und die verbreitung der milchröhren in dessen organen). Bot. Zhurn. SSSR 19:141-162. illus. 1934. no.2.

Russian with German summary.

Becker, S. E.

Vliianie autokonservatsii zerna pshenitsy na ego mikrofloru (Der einfluss der selbstkonservierung des weizenkorns auf seine mikroflora). Bot. Zhurn. SSSR 19: 126-140. illus. 1934. no.2.

Russian with German summary.

Botvinovskii, V. V.

O fotoperiodicheskoi reaktsii u *Perilla ocymoides* L. (Ueber die photoperiodische reaktion bei *Perilla ocymoides* L.). Bot. Zhurn. SSSR 19: 5-10. illus. 1934. no.1.)

Russian with German summary.

Hase, O. F.

Okrestnosti ozera Lache (severnogo kraia) v geobotanicheskom otnoshenii (Umgegend des Latsche-Sees im geobotanischen bezug). Bot. Zhurn. SSSR 19: 173-186. 1934. no.2.

Russian with German summary.

Iljin, M. M.

Eshche o saksaul (Noch einiges über saxaul)  
Bot. Zhurn. SSSR 19: 170-172. 1934. no.2.

Russian with brief German summary. Haloxylon & Arthrophytum.

Kalashnikov, L. N.

Opyt graficheskogo izobrazheniia smeny rastitel'nosti v prostranstve (Versuche einiger graphischen darstellung des vegetationswechsels im raum). Bot. Zhurn. SSSR 19: 26-32. 1934. no.1.

Russian with German summary.

Nazarov, M. I.

Ocnovnye tipy rastitel'nosti Buriato-Mongol'skoi ASSR i ikh kormovoe znachenie (Die hauptvegetationstypen der Burjato-Mongoloischen ASSR und deren bedeutung als futterquellen). Bot. Zhurn. SSSR 19: 33-58. 1934. no.1.

Russian with German summary.



Bot. Zhurn. SSSR (cont.)

Nikitinskii, I. I.

K voprosu o vliianii uglekislogo gaza khranenie zerna pshenitsy (Zur frage über den einfluss von kohlenoxydgas zur aufbewahrung des weizenkorns). Bot. Zhurn. SSSR 19: 103-105. 1934. no.2.

Russian.

Pavlov, N. V.

K. voprosu o nedostatках predelitelei i flor (Zur frage über die mangel der beschreibenden floren).

Bot. Zhurn. SSSR 19: 59-63. 1934. no.1.

Russian.

Tochidlovskaiã, K. I.

Materialy po fenologii drevesnykh porod Odesskogo botanicheskogo sada (Materials on the phenology of different trees in the Odessa botanical garden).

Bot. Zhurn. SSSR 19: 16-25. 1934. no.1.

Russian with English summary.

Voronikhin, N. N.

Obzor rabot russkikh avtorov po al'gologii za 1930-1931 gg. (Revue des travaux algologiques russes 1930-31. Bot. Zhurn. SSSR 19: 187-206. 1934. no.2.

Russian.

Wulff, E. V.

Itagi izucheniiã istorii razvitiã flory SSSR za poslednie 16 let (Uebersicht der in den letzten 16 jahren erschienenen literatur über die entwicklungsgeschichte der flora der USSR) Bot. Zhurn. SSSR 19: 64-100. 1934.

Russian.

Zabolotskii, M.

Vliianie uglekislogo gaza na dykhanie i vskhozhest pshenichnogo zerna (Der einfluss von kohlenoxydgas auf die atmung und keimfähigkeit von weizenkorn). Bot. Zhurn. SSSR 19: 106-135. 1934. no.2.

Russian with German summary.

Bull. Dir. Gén. Agr. Comm. et Colon. Tunis. (24T83)

George, L.

Les dunes domaniales de Bizerte. Bull. Dir. Gén. Agr. Comm. et Colon. Tunis 38: 61-88. Illus., fold. map. 1934. no.156.



- Bull. Pop. Inform. Arnold Arb. (99.9Ar6E)  
Faul, J.H., Jack, J.G., Judd, W.H. & Schmitt, L.V.  
: Winter hardiness of trees and shrubs growing in  
the Arnold arboretum. I-II. Bull. Pop. Inform.  
Arnold Arb. IV, 2: 29-36. S.12, 1934. no.7.
- Bull. Pop. Inform. Morton Arb. (Lisle, Ill.) (99.9M84)  
Kammerer, E. L.  
Woody plants of the Japanese Island. I-II.  
Bull. Pop. Inform. Morton Arb. 9: 21-24, 25-28,  
Ag.1,25, 1934. no.6,7.
- Bull. Soc. Sci. Nat. Maroc. (Rabat) (515Sol)  
Emberger, L.  
Matériaux pour l'étude de la flore et de la  
végétation du Maroc. 3. Bull. Soc. Sci. Nat.  
Maroc 13: 291-306. D.31, 1933. no.7/8.
- Emberger, L. & Maire, R.  
Materiaux pour la flore Marocaine. 3.  
Bull. Soc. Sci. Nat. Maroc 13: 276-290. D.31,  
1933. no.7/8.
- Maire, R.  
Contributions a l'étude de la flore de  
l'Afrique du Nord. 21. Bull. Soc. Sci. Nat.  
Maroc 13: 263-275. D.31, 1933. no.7/8.
- Bull. So. Calif. Acad. Sci. (Los Angeles) (500So8)  
Fosberg, F. R.  
The Southern California prickly-pears.  
Bull. So. Calif. Acad. Sci. 33: 93-104. My./Ag.  
1934. no.2.
- Wheeler, L. C.  
California Euphorbia notes. Bull. Soc.  
Calif. Acad. Sci. 33: 105-111. My./Ag. 1934.no.2.  
E. abramsiana n.sp.
- Bull. Trim. Off. Rég. Agr. Midi France (14F849)  
Long, J.  
Etude sur les blés au centre national d'expéri-  
mentation du Midi le Merle, par Salon (R.-duRh.)  
(Campagne 1930-1931). Bull. Trim. Off. Reg. Agr.  
Midi France 1934: 187-211. illus. J1. 1934. no.51.



Cactus Journ. Gt. Brit. (London) (450C113)

Brown, N. E.

The genus *Mossis*, N.E.Br. Cactus Journ. Gt. Brit. 3:10-11. S.1934. no.1.

Farden, R. S.

Succulents other than cactaceae and Mesembryanthemae. (cont.) Cactus Journ. Gt. Brit. 3: 18-19. S.1934. no.1.

Canad. Field Nat. (Ottawa) (410.90t8)

Fernald, M. L.

M.O. Malte as a systematic botanist. Canad. Field Nat. 48: 91-93. S.1934. no.6.

Malte Oscar Malte. Canad. Field Nat. 48: 89-91. port. S.1934. no.6.

Cawthron Inst. Mycol. Publ. (Nelson, N.Z.) 464.9C31)

Curtis, K. M.

Fireblight, a survey of current knowledge and recent advances. Cawthron Inst. Mycol. Publ. no.10. 8 p. illus. 1934.

Reprinted from the Orchardist of New Zealand, Je.1, 1934.

Cereal Chem. (59.8033)

Goulden, C.H., Geddes, W.F. & Whiteside, G.O.

A study of carotene content and other quality characters in a series of hybrid wheats., Cereal Chem. 11: 557-566. S.1934. no.5.

Whympers, R. & Bradley, A.

Studies on the vitality of wheat. II. Influence of moisture in wheat seeds upon imbibition and speed of germination. Cereal Chem. 11: 546-550. illus. S.1934. no.5.

Chem. & Industr. (382M31) (London)

Carrie, M. S.

Karakin, the glucoside of *Corynocarpus laevigata*. Chem. & Industr. 53: 288-289. S.7, 1934. no.36.

Rudge, E. A.

An inquiry into the mechanism of decay of wood. Chem & Industr. 53:282-288. S.7, 1934. no.36.



Claytonia (Lynchburg, Va.) (450C57)

Artz, L.

*Parnassia asarifolia* Vent. Claytonia 1: 8-9.  
Je. 1934.

Dinwiddie, E. W.

*Iris virginica*. Claytonia 1: 6-7. Je.  
1934. no.1.

Only one colony has been located in Virginia.

Taylor, R. L.

The present status of *Pogonia affinis* Aust.  
Claytonia 1: 7-8. Je. 1934. no.1.

Compt. Rend. Acad. Sci. Paris. (505P21)

Blaringhem, L.

La temperature des fleurs. Compt. Rend. Acad.  
Sci. Paris 199; 501-504. Ag.27, 1934. no.9.

Deut. Landw. Presse (Berlin) (18D482)

Gramberg, E.

Pilze als Viehfutter. Deut. Landw. Presse  
61: 414. Ag.18, 1934. no.33.

Lowig, E.

Jarowisationsversuche. Deut. Landw. Presse  
61: 409-410. illus. Ag.18, 1934. no.33.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Schwartz, P.

Gipertetraploidnyi tabak, poluchennyi v rezul'tate  
mezhhidovoi gibruduzatsii (Hypertetraploid tobacco  
resulting from interspecific hybridization). Dokl.  
Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS). n.s.,  
3: 185-187. illus. J1.21, 1934. no.3.

Russian and English.

Empire For. Journ. (99.8Em72)

Bourne, R.

Some ecological conceptions. Empire For. Journ.  
13: 15-30. 1934. no.1.

Robertson, C. C.

The cultivation of Mexican pines in the Union  
South Africa, with notes on the species and their  
original habitat (cont.) Empire For. Journ.  
13: 69-76. 2 pl. on 1. 1934. no.1.



Farming So. Farica (Pretoria) (24So842)

Malherbe, I deV.

Little-leaf or rosette of fruit-trees.

Farming So. Africa 9: 312-313, 315. illus.

Ag. 1934. no.101.

Florida Grow. (Tampa) (80F622)

Hawkins, S.

Sprays to control tomato disease. Florida  
Grow. 42(7): 12. S.1934.

Fungicidal washes reduce decay in transit.

Flor. Exch. (N.Y.) (80F666)

Dr. Fredrica Detmers. Flor. Exch. 83(11):15.  
S.15, 1934.

Died Sept. 5, 1934.

Flor. Rev. (Chicago) (80W41)

Plants for the hardy garden. Flor. Rev. 74  
(1919): 19; (1920): 25. S.6,13, 1934.

*Arenaria grandiflora*, *Saxifraga caespitosa*, *Physo-*  
*carpus monogynus*, *Doronicums*. - *Ruta patavina*,  
*Silene maritima*, *Salvia verbenaca*, mulleins, two  
alpine *Epilobiums*, *E. angustifolium*, *E. latifolium*.

Forstarchiv. (Hannover) (99.8F7723)

Liese, J.

Gerbstoffgewinnung aus der badampflanze in  
Deutschland. Forstarchiv 10; 264-266. illus.  
Ag.15, 1934. no.16.

Fruit Grow. Fruiterer, Flor. & Mark. Gard. (London) (80F941)

Threat to our snapdragons. Spread of *antirrhini-*  
*um rust*. Fruit Grow., Fruiterer, Flor. & Mark.  
Gard. 78: 225-256, 260. Ag.23, 1934. no.2019.

Gard. Chron. (London) (80G162)

Bancroft, H.

Notes on the status and nomenclature of the  
British elms. (cont.) Gard. Chron. III,96: 139-  
140. illus. Ag.25, 1934. no.2487.

Grove, A.

Duchartre. Gard. Chron. III,96: 138-139,  
Ag.25, 1934. no.2487.

Ingwersen, W.

A few good *Campanulas*. Gard. Chron. III,96:  
136. Ag.25, 1934. no.2487.



Gard. Illus. (London) (80G169)

Thompson, H. P.

Plant-hunting in the Balkans. I. Alpines in Bulgaria. Gard. Illus. 56: 504-505. illus. Ag. 25, 1934. no.2894.

Gartn.-Tid. (København) (80G192)

Hansen, W. F.

Cytisus og Genista. Gartn.-Tid. 50: 419-424. illus. Ag.28, 1934. no.35.

Genetics (442.8G28)

Burnham, C. R.

Cytogenetic studies of an interchange between chromosomes 8 and 9 in maize. Genetics 19: 430-447. S.1934. no.5.

Ferguson, M. C.

A cytological and a genetical study of *Petunia*. V. The inheritance of color in pollen. Genetics 19: 394-411. S.1934. no.5.

Hedwigia (Dresden) (450H35)

Hülsbruch, W.

Beobachtungen an der diatomee *Peronia heribaudi* Br. et Perag. von einem neuen fundort. Hedwigia 74: 161-169. pl.v. Ag. 10, 1934. no.3/4.

Wallner, J.

Ueber das raumparasitische vorkommen kalkab-lagernder süßwasseralgen. Hedwigia 74: 170-175. illus., pl.vi. Ag.10, 1934. no.3/4.

*Oocardium stratum* on various algae.

Wallner, J.

Ueber die bedeutung der sog. chironomidentuffe für die messung der jährlichen kalkproduktion durch algen. Hedwigia 74: 176-180. illus., pl.vi. Ag.10, 1934. no.3/4.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)

Euler, H.v., Adler, E. & Schlötzer, A.

Verbreitung des gebundenen und des freien flavins in pflanzen. Hoppe-Seyl. Zeitschr. Phys. Chem. 226: 87-94. Ag.24, 1934. no.2/3.

Kiesel, A., Belozersky, A., Agatow, P., Biwschich, N. & Pawlowa, M.

Vergleichende untersuchungen über organeisweiss von pflanzen. Hoppe-Seyl. Zeitschr. Phys. Chem. 226: 73-86. Ag.24, 1934. no.2/3.



- Hoppe-Seyl. Zeitschr. Phys. Chem. (cont.)  
Stenstrom, T., Björling, C.O. & Olsson, E.  
Amylasen in ruhenden und keimenden samen. IV.  
Weizen. Hoppe-Seyl. Zeitschr. Phys. Chem.  
226: 265-271. Ag.29, 1934. no.4/6.
- Intern, Bull. Plant Prot. (464.8In8)  
Bouriquet, G.  
Madagascar: Phytopathological notes. Intern.  
Bull. Plant Prot. 8: 175-176. Ag.1934. no.8.
- Journ. Agr. Prat. (Paris) (14J82)  
Fron, G.  
Le piétin du blé. Methode de lutte. (cont.)  
Journ. Agr. Prat. 88(1): 157-158. Ag.25, 1934. no.34.
- Journ. Bacteriol. (Baltimore) (448.3J82)  
Richards, O. W.  
The effect of deuterium on the growth of  
yeast. Journ. Bacteriol. 28: 289-294. S.1934.  
no.6.
- Journ. Dept. Agr. So. Australia (Adelaide) (23So84)  
Clarke, G. H.  
Important weeds of South Australia. 7. Nut-  
grass. *Cyperus rotundus*, L. Journ. Dept. Agr. So.  
Australia 37: 1586-1589. illus., col.pl. J1.16,  
1934. no.12.
- Journ. Dept. Agr. West. Austral. (Perth) (23W52J)  
Hutton, E. M.  
The important pasture plants of South Australia,  
considered as to their identification and character-  
istics. III-XV. Journ. Dept. Agr. So. Australia 37:  
1540-1554. illus. J1.16, 1934. no.12.
- Davenport, N.  
Wild turnip. (*Bassica tournefortii*). Methods.  
of control. Journ. Dept. Agr. West. Austral. II,  
11: 346-348. illus. Je.1934. no.2.
- Meadly, G. R. W.  
Sorghum, Sudan grass, and Johnson grass  
poisoning. Journ. Dept. Agr. West. Austral. II,11:  
268-272. Je.1934. no.2.
- Wild, A. S.  
Further field experiments with manganese as a  
control of grey speck disease in western Australia.  
Journ. Dept. Agr. West. Austral. II,11: 223-225.  
Je.1934. no.2.



Journ. Gen. Physiol. (Baltimore) (447.8J822)

Arnold, W. & Kohn, H. I.

The chlorophyll unit in photosynthesis.

Journ. Gen. Physiol. 18: 109-112. S.20, 1934.  
no.1.

Experiments with *Bryophyllum calycinum*,  
*Chlorella vulgaris*, *Lemna* sp. etc.

Crozier, W. J., Tang, P. S. & French, C. S.

Temperature characteristics for metabolism  
of *Chlorella*. I. The rate of O<sub>2</sub> utilization of *Chlorella*  
*pyrenoidosa* with added dextrose. Journ. Gen. Physiol.  
18: 113-124. S.20, 1934. no.1.

Schechter, V.

Electrical control of rhizoid formation in the  
red alga, *Griffithsia bornetiana*. Journ. Gen.  
Physiol. 18: 1-21. illus., 2 pl. S.20, 1934. no.1.

Thimann, K. V.

Studies on the growth hormone of plants. VI.  
The distribution of the growth substance in plant  
tissues. Journ. Gen. Physiol. 18: 23-24. illus.  
S.20, 1934. no.1.

Journ. Min. Agr. Gt. Brit. (10G79J)

Wormald, H.

The development of scab in stored apples.

Journ. Min. Agr. Gt. Brit. 41: 551-556. 2 pl. S.  
1934. no.6.

Journ. N.Y. Bot. Gard. (89N48J)

Everett, T. H.

*Trifolium virginicum* in cultivation. Journ.

N.Y. Bot. Gard. 35: 208-210. illus. S.1934. no.417.

Merrill, E. D.

The Elizabeth Gertrude Britton Moss herbarium  
is established. Journ. N.Y. Bot. Gard. 35: 210-  
211. S.1934. no.417.

Small, J. K.

Ferns within one hundred miles of New York City.

Journ. N.Y. Bot. Gard. 35: 197-207. illus. (Map)  
S. 1934. no.417.

Journ. Sapporo Soc. Agr. & For. (J22.5Sol)

Shima, Y.

The influence of pollination on the out-break  
of the apple young-fruit rot. Journ. Sapporo  
Soc. Agr. & For. 26: 173-182. illus. J1.1934.  
no.120.

Japanese with English résumé: p.181-182.



Journ. Washington Acad. Sci. (500W276J)

Archer, W. A.

The dental plant of the Citará Indians in Colombia. Journ. Washington Acad. Sci. 24: 402-404. S.15, 1934. no.9.

*Schradera marginalis*, n. sp. (description by P. C. Standley)

Berry, C. T.

Pleistocene remains found near Lake Tacarigua Venezuela. Journ. Washington Acad. Sci. 24: 387-395. illus. S.15, 1934. no.9.

*Chara requena* n. sp.

Drechsler, C.

*Pedilospora dactylopaga* n. sp., a fungus capturing and consuming testaceous rhizopods. Journ. Washington Acad. Sci. 24: 395-402. illus. S.15, 1934. no.9.

Matlack, M. B.

The pigment of the India red pumelo (*Citrus grandis* Osbeck). Journ. Washington Acad. Sci. 24: 385-386. illus. S.15, 1934. no.9.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Castellanos, A.

*Opuntia geometrica* Castellanos n. sp.

Kakteenk. Deut. Kakteen-Ges. 1934: 172. illus. S. 1934. no.9.

Fobe, F.

Ueber verschiedene opuntien. Kakteenk. Deut. Kakteen-Ges. 1934: 173-176. illus. S. 1934. no.9.

Werdermann, E.

*Thelocactus lophophoroides* Werd. nov. spec.

Kakteenk. Deut. Kakteen-Ges. 1934: 176-177. illus. S.1934. no.9.

Landbouw, Nederl.-Indië (Buitenzorg) (22.5L23)

Muelen, J. G. J. van der

De veredeling van de rijst aan het proefstation te Vercelli. (Rice breeding methods at the experiment station of Vercelli (Italy). Landbouw, Nederl.-Indië 9: 591-602. Je. 1934. no.12.

English summary: p.601-602.



Landw. Jahrb. (Berlin) (18L23)

Klemm, M.

Schwarzrostauftreten in Deutschland und  
Südosteuropa im Jahre 1932. Landw. Jahrb.  
80: 333-351. illus. (maps) 1934. no.2.

Leafl. Philipp. Bot. (460.25E16)

Elmer, A. D. E.

New Plants from Mount Pinatubo. Leafl.  
Philipp. Bot. 9: 3179-3226. My.5, 1934. no.126.

Elmer, A. D. E.

New Urticaceae and Rubiaceae. Leafl. Philipp.  
Bot. 9: 3227-3272. Je.14, 1934. no.127.

Sydow, H.

Parasitic fungi from Mt. Pinatubo. Leafl.  
Philipp. Bot. 9: 3173-3177. Ap.20, 1934. no.125.  
Elmerinula (nov.gen.) E. capnoides, Asteri-  
nella hapala, Asterostomula pinatubensis n.spp.

Malayan Agr. Journ. (Kuala Lumpur) (22.5F312)

Altson, R. A.

Fruit-rot or bunch-rot of the oil palm. Malayan  
Agr. Journ. 22: 360-366. 2 pl. Ag.1934. no.8.  
"Due to operations of saprophytic organisms and  
not a specific disease caused by a specific pathogen".

Meded. Inst. Plantenz. Dep. Econ. Zaken Nederl. Ind. (Batavia)  
(464.9Ea72)

Leefmans, S.

Ziekten en plagen der cultuurgewassen in  
Nederlandsch-Indië in 1931. Meded. Inst. Plantenz.  
Dep. Econ. Zaken Nederl. Ind. no.82. 92 p.  
1934.

Mem. Soc. Cubana Hist. Nat. (Habana) (410.9Sol5)

Bonazzi, A.

Estudios sobre fisiologia del arroz. I. Periodo  
germinativo. Mem. Soc. Cubana Hist. Nat. 8: 169-188.  
illus. Ag.1934. no.3.

León, H.

La guano y su aprovechamiento. Mem. Soc.  
Cubana Hist. Nat. 8: 63-68. pl.6. Jl.1934. no.2.  
Sterculia cubensis.



Mem. Soc. Cubana Hist. Nat. (cont.)

Léon, H.

Mrs. N. L. Britton (Elizabeth Gertrude Knight)  
1858-1934. Mem. Soc. Cubana Hist. Nat. 8: 61-  
62. Jl. 1934. no.2.

Mitt. Landw. (Berlin) (18D48M)

Pape, H.

Luzerneschadlinge. Mitt. Landw. 49: 773-774.  
illus. S.1934. no.35.

Mitt. Naturf. Ges. Bern (508B45)

Lüdi, W.

Pflanzengeographische streifzüge im hohgant-  
gebiet. Mitt. Naturf. Ges. Bern 1933: 135-188,  
1934.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)

Erič, A. V.

Kakteen-benennung. II. Möller's Deut. Gärtn.-  
Zeit. 49: 273-274. illus. Ag.21, 1934. no.23.

Kemmer, E.

Die gestaltung der wurzelkrone bei obstgehölzen.  
Moller's Deut. Gärtn.-Zeit. 49: 259-260, illus.  
Ag.11, 1934. no.22.

Nachr. Schädlingsbekämpfung (Leverkusen b.Köln. a Rh.)

Henke, (464.8N112)

Den roggen muss man beizen. (Rye must be  
treated). Nachr. Schädlingsbekämpfung 9: 131-135.  
illus. Ag. 1934. no.3.

English summary: p.156.

Poulsen, A.

Warmwasserbehandlung von gerste. Nachr.  
Schädlingsbekämpfung 9: 141-145. illus. Ag.  
1934. no.3.

English abstract: p.157. Combination with chemical  
treatment, for which Ceresan wet dressing was used.

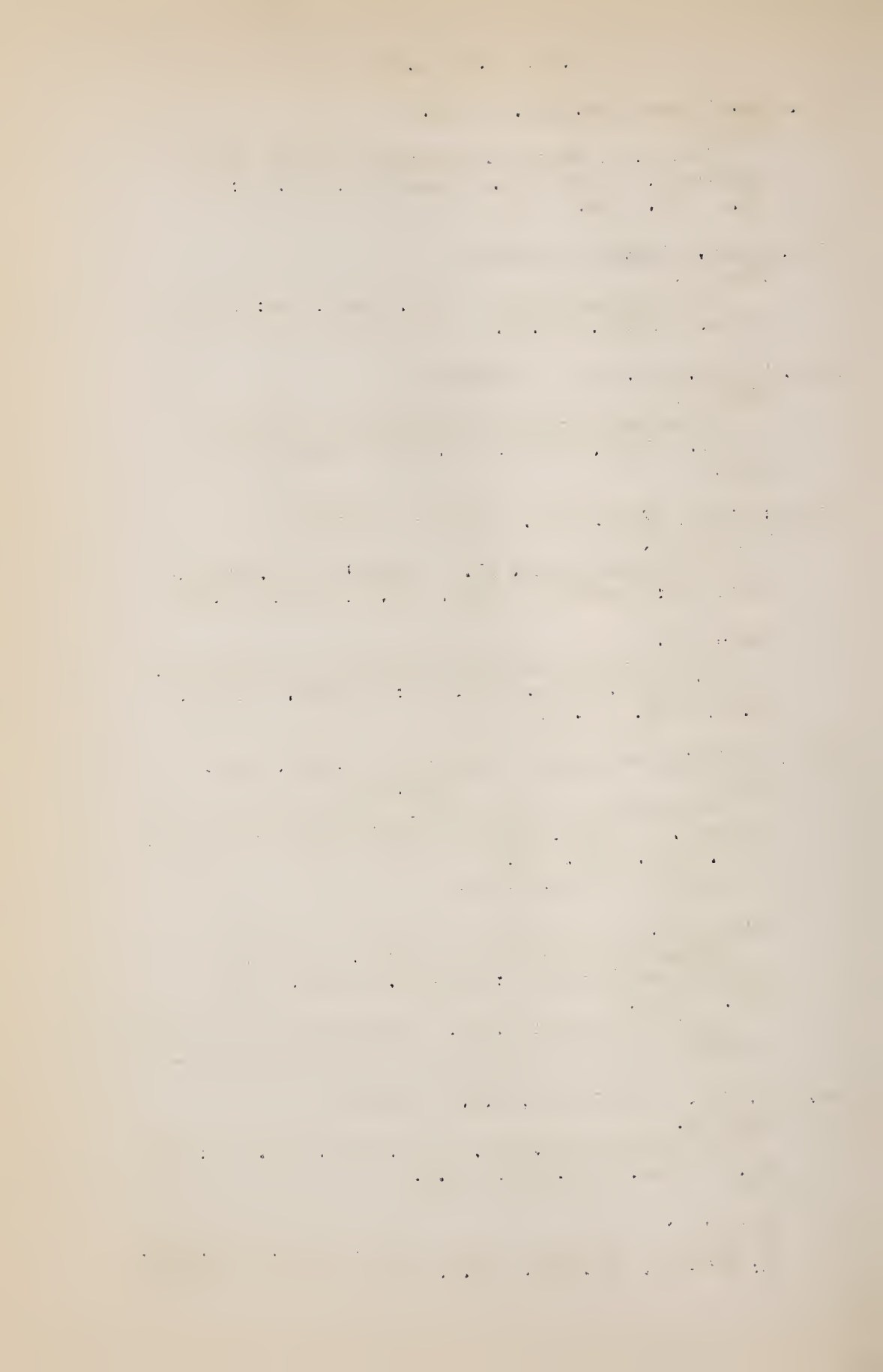
Nat.Hort. Mag. (Washington, D.C.) (81N219)

Bates, A.

The illusive ivy. III. Nat. Hort. Mag. 13: 234-  
245. illus. Jl.1934. no.3.

Fox, H. M.

Notes on growing species tulips. Nat. Hort. Mag.  
13: 297-300. Jl.1934. no.3.



Nat. Hort. Mag. (cont.)

Henry, M. G.

Collecting plants beyond the frontier in  
northern British Columbia III. Nat. Hort. Mag.  
13: 269-290. illus. Jl.1934. no.3.

Jones, M. M.

The Jones hybrid hazels. Nat. Hort. Mag.  
13: 262-264. Jl. 1934. no.3.

Slavin, A. D.

The forms of pine. IV. Nat. Hort. Mag. 13:  
246-259. illus. Jl. 1934. no.3.

Stoke, H. F.

The Persian ("English") walnut in the eastern  
states. Nat. Hort. Mag. 13: 260-261. Jl.1934.  
no.3.

Tyson, D. R.

Our picturesque Eucalyptus trees. Nat. Hort.  
Mag. 13: 205-213. Jl. 1934. no.3.

White, E. C.

Gentiana porphyrio. Nat. Hort. Mag. 13: 303-  
307. illus. Jl. 1934. no.3.

Naturwissensch. (Berlin) (474N213)

Laibach, F., Müller, A. & Schäfer, W.

Ueber wurzelbildende stoffe. Naturwissensch.  
22: 588-589. Ag.31, 1934. no.35.

Nederl. Kruidk. Arch. (Amsterdam) (451N28)

Jansen, P. & Wachter, W. H.

Grassen langs de Zuiderzeekust IV-V. Nederl.  
Kruidk. Arch. 44(1934): 203-218, 219-237. illus.  
Ag.31, 1934.

Kooistra, T. W.

De flora van Schokland. Nederl. Kruidk. Arch.  
44(1934): 289-295. Ag.31, 1934.

Schoute, J. C.

In memoriam Prof. Dr. J. W. Moll. Nederl. Kruidk.  
Arch. 44: 106-109. port. Ag.31, 1934.

Soest, J. L. van

Aanteekeningen over Hieracium. Nedrl. Kruidk.  
Arch. 44(1934): 296-303. Ag.31, 1934.



Pacific Hop Grow. (Mt. Angel, Oreg.) (77.8P11)

Hoerner, G. R.

Crown gall of hops. Pacific Hop Grow.  
2(5): 4,6. illus. S. 1934.

Pharm. Weekbl. (Amsterdam) (396.8P4922)

Potjewijd, T.

Phytochemische onderzoek van het levende kruid  
van *Hyoscyamus muticus* L. Pharm. Weekbl. 71:  
1009-1016. suppl.pl. S.1, 1934. no.71.

Philipp. Agr. (Laguna) (25P542)

Ocfemia, G. O.

Bunchy-top of abaca: its nature and control.  
Philipp. Agr. 23: 174-186. illus. Ag.1934. no.3.

Phytopath. (464.8P56)

Dennis, R. W. G.

A new species of *Pestalotia* on *Podocarpus*.  
Phytopath. 24: 1026-1028. illus. S.1934. no.9.  
*P. podocarpi*.

Drechsler, C.

Phytopathological and taxonomic aspects of  
*Ophiobolus*, *Pyrenophora*, *Helminthosporium*, and  
a new genus, *Cochliobolus*. Phytopath. 24: 953-  
983. illus. S.1934. no.9.

*C. (Ophiobolus) heterostrophus*.

Holmes, F. O.

Inheritance of ability to localize tobacco-  
mosaic virus. Phytopath. 24: 984-1002. illus.  
S. 1934. no.9.

In *Capsicum frutescens*, species of *Nicotiana* &  
*Solanum melongena*.

Johnson, C. O.

The effect of mildew infection on the response  
of wheat-leaf tissues normally resistant to leaf  
rust. Phytopath. 24: 1045-1046. illus. S.  
1934. no.9.

Leach, L. D. & Borthwick, H. A.

Distribution of downy mildew mycelium in spinach  
fruits. Phytopath. 24: 1021-1025. illus. S.  
1934. no.9.

*Peronospora effusa*.



Phytopath. (cont.)

Leach, J. G.

The production of perithecia in *Ceratostomella ips* Rumb. Phytopath. 24: 1037-1040. S.1934. no.9.

Peltier, G. L.

The inability of *Aplanobacter insidiosum* to enter alfalfa seedlings in the absence of wounds. Phytopath. 24: 1044-1045. S. 1934. no.9.

Rawlins, T. E. & Parker, K. G.

Influence of rootstocks on the susceptibility of sweet cherry to the buckskin disease. Phytopath. 24: 1029-1031. S. 1934. no.9.

Summers, E. M.

Types of mosaic on sugar cane in Louisiana. Phytopath. 24: 1040-1042. illus. S.1934. no.9.

Tullis, E. C., Jones, J. W. & Davis, L. L.

The occurrence of stem rot of rice in California. Phytopath. 24: 1047. S. 1934. no.9.

Tullis, E. C., Smith, A. L. & Johnson, A. G.

Panicles of Rexoro rice injured at emergence by sun scald. Phytopath. 24: 1043-1044. S.1934. no.9.

Walter, J. M.

The mode of entrance of *Ustilago zeae* into corn. Phytopath. 24: 1012-1020. illus. S. 1934. no.9.

Wellman, F. L.

A disease of banana, markedly similar to bunchy top, produced by celery virus 1 in U.S.A. Phytopath. 24: 1032-1034. illus. S.1934. no.9.

Wellman, F. L.

Infection of *Zea mays* and various other Gramineae by the celery virus in Florida. Phytopath. 24: 1035-1037. illus. S.1934. no.9.

White, P. R.

Multiplication of the viruses of tobacco and aucuba mosaics in growing excised tomato root tips. Phytopath. 24: 1003-1011. S.1934. no.9.



Planta Arch. Wiss. Bot. (Berlin) (450P693)

Almoslechner, E.

Die hefe als indikator für wachsstoffe.

Planta Arch. Wiss. Bot. 22: 515-542. illus.

Ag.25, 1934. no.4.

Boas, F.

Ueber ionenwirkungen, besonders über das anionenphänomen. Planta Arch. Wiss. Bot.

22: 445-461. Ag.25, 1934. no.4.

Herzog, R.

Anatomische und experimentell-morphologische untersuchungen über die gattung *Salvinia*. Planta Arch. Wiss. Bot. 22: 490-514. illus. Ag.25, 1934. no.4.

Kilian, V.

Radiotropismus bei pflanzen, festgestellt an keimlingen von *Pharbitis hispida*. Planta Arch. Wiss. Bot. 22: 462-467. illus. Ag.25,1934. no.4.

Meyer, F. J.

Ein neues objekt für die demonstration des transpirationsstromes und der wirkungsweise der leitbündelverbindungen. Planta Arch. Wiss. Bot 22: 567-572. illus. Ag. 25,1934. no.4.

Reiss, E.

Tonische wirkungen der schwerkraft. Planta Arch. Wiss. Bot. 22: 543-566. illus. Ag.25, 1934. no.4.

Schroeder, H. & Herrmann, F.

Ueber die kohlenhydrate und den kohlenhydratstoffwechsel der laubblätter. III. Verfahren zur bestimmung von glukose und fruktose in mischlösungen und ihre anwendung auf extrakte aus pflanzenorganen. Planta Arch. Wiss. Bot. 22: 468-489. Ag.25, 1934. no.4.

Proc. Imp. Acad. Topyo (513T576)

Miyoshi, M.

Ueber das massenhafte vorkommen der moosbälle im Inawashirosee. Proc. Imp. Acad. Tokyo 10: 426-427. illus. Jl. 1934. no.7.

*Dicranella squarrosa* forma.



Proc. Imp. Acad. Tokyo (cont.)

Miyoshi, M.

Ueber einige merkwürdige pflanzen. Proc.

Imp. Acad. Tokyo 10: 424-425. J1. 1934. no.7.

*Prunus ohiraensis* n.sp. *P. serrulata* f. *kinryu*  
n.f.

Nishikawa, H.

Chemical constituents of the mycelium of  
*Oospora aurantia* (Cooke) Sacc. et Vogl. Proc.

Imp. Acad. Tokyo 10: 414-416. illus. J1.1934.

no.7.

Preliminary note.

Watanabe, K.

Geschlechtliche fortpflanzung von *Mitrastemon*  
*yamamotoi*. Proc. Imp. Acad. Tokyo 10:421-423.

illus. J1. 1934. no.7.

Repert. Spec. Nov. Beih. (Dahlem bei Berlin) (450R29B)

Schuster, K.

Orchidacearum iconum index, Zusammenstellung  
der in der literatur erschienenen tafeln und textab-  
bildungen von orchideen. 5. lfg. Repert. Spec.

Nov. Beih. 60: 321-400. 1934.

Rep. Food Invest. Bd. Gt. Brit. (389.9G792R)

Barker, J.

The substrate of respiration in the potato.

Rep. Food Invest. Bd. Gt. Brit. 1933: 67-69. 1934.

Haynes, D. & Archbold, H. K.

Chemical work on fruit. Rep. Food Investigation  
Bd. Gt. Brit. 1933: 225-228. 1934.

Apples.

Horne, A. S.

Biological work on fruit. Rep. Food Investi-  
gation Bd. Gt. Brit. 1933: 228-245. pl. 1934.

Apples.

Huelin, F. E. & Barker, J.

The effect of ethylene on the respiration and  
sugar-content of potatoes. Rep. Food Invest. Bd.

Gt. Brit. 1933: 69-70. 1934.

Hulme, A. C.

The acetaldehyde and ethyl alcohol contents  
of apples during storage. Rep. Food Invest.

Bd. Gt. Brit. 1933: 70-73. 1934.



Rep. Food Invest. Bd. Gt. Brit. (cont.)

Kidd, F. & West, C.

The cause of low-temperature breakdown in apples.

Rep. Food Invest. Bd. Gt. Brit. 1933: 57-60. 1934.

Kidd, F. & West, C.

The control of superficial scald of apples.

Rep. Food Invest. Bd. Gt. Brit. 1933: 199-204.  
1934.

Kidd, F. & West, C.

The effects of ethyl alcohol upon the respiratory metabolism of apples. Rep. Food Invest. Bd. Gt. Brit. 1933: 60-67. 1934.

Kidd, F. & West, C.

Gas-storage of apples. Rep. Food Invest. Bd. Gt. Brit. 1933: 193-199. 1934.

Experiments with Monarch, Cox' orange pippin, Blenheim orange, Worcester pearmain.

Kidd, F. & West, C.

The influence of the composition of the atmosphere upon the incidence of the climacteric in apples. Rep. Food Invest. Bd. Gt. Brit. 1933: 51-57. 1934.

Kidd, F. & West, C.

Injurious effects of atmospheres of pure oxygen upon apples and pears at low temperatures. Rep. Food Invest. Bd. Gt. Brit. 1933: 74-77. 1934.

Rep. Mass. Fruit Grow. Assoc. (81M384)

Boyd, O. C.

Summary of orchard diseases in Massachusetts in 1933. Rep. Mass. Fruit Grow. Assoc. 40(1934): 71-77. [1934]

Guba, E.

Apple rust, up to date. Rep. Mass. Fruit Grow. Assoc. 40(1934):48-52. [1934]

Rep. Mysore Agr. Dept. (22M99R)

Narasimhan, M. J.

Report of work done in the Mycological section. Rep. Mysore Agr. Dept. 1932/33: 53-56. 1934.



Rev. Agronómica (Lisboa) (15.5R32)

Carvalho e Vasconcellos, J. de

Alguns trigos estrangeiros cultivados em Portugal. Sua descrição botânica. Rev. Agronómica 21(1/2): 5-23. illus. 1934.

Loureiro Ferreira, M. J.

Uma sarna da batata. Rev. Agronómica 21(1/2): 45-56. illus., pl. 1934.

Rhizoctonia solani.

Rev. Mus. La Plata (Buenos Aires)

Frenguelli, J.

Contribuciones al conocimiento de las diatomeas argentinas. VIII. Diatomeas del plioceno superior de las Guayquerías de San Carlos (Provincia de Mendoza). Rev. Mus. La Plata 34(III,10): 339-372. illus., iii pl. 1934.

Harrington, H.

Sobre la presencia de restos de la flore de Glossopteris en las Sierras Australes de Buenos Aires y su significación en lo referente a las relaciones de la serie glacial y series superiores. Rev. Mus. La Plata 34(III,10): 303-338. illus. (map), iv pl. 1934.

Parodi, L. R.

Contribución al estudio de las gramíneas del género Muncoa. Rev. Mus. La Plata 34(III,10): 171-193. illus., map. 1934.

Rudorf, G. & Job, M. M.

Estudio sobre ecología floral del trigo en lo referente a temperaturas extremas. Rev. Mus. La Plata 34(III,10): 195-253. illus. 1934.

Rev. Sudamer. Bot. (Montevideo) (45OR3242)

Allen, G. O. & Herter, W. G.

Charales uruguayenses. Rev. Sudamer. Bot. 1: 87-91. Je.1934. no.3.

Phillips, E. P. & Dyer, R. A.

The genus Sutherlandia R. Br. Rev. Sudamer. Bot. 1: 69-80. illus. Je.1934. no.3.

Rau, W.

Cedroxylon canoasense, una madera fósil nueva del Rio Grande del Sud. Rev. Sudamer. Bot. 1: 65-68. illus. Je.1934. no.3.

English summary: p.68.



Rev. Sudamer. Bot. (cont.)

Suessenguth, K.

Für Venezuela neue pflanzen der sammlung Vogl.

Rev. Sudamer. Bot. 1: 81-86. Je.1934. no.3.

Rev. Vitic. (Paris) (95.8R322)

Viala, P. & Marsais, P.

Le court-noué (cont.) Rev. Vitic. 81: 133-139. illus. Ag.30, 1934. no.2096

Rhodora (Boston) (450R34)

Anderson, W. A.

Notes on the flora of Tennessee: Dioscorea.

Rhodora 36: 344-346. S. 1934. no.429.

Eaton, R. J. & Griscom, L.

Potamogeton panormitanus in the Sudbury river.

Rhodora 36: 312-313. S.1934. no.429.

Fernald, M. L.

Draba in temperate northeastern America. (cont.)

Rhodora 36: 314-344. illus., pl.299-313. S.1934. no.429.

Fernald, M.L. & Weatherby, C.A.

Some inadequately characterized species of

George Vassej. Rhodora 36: 346-348. S.1934. No.429.

Steyermark, J. A.

A grass new to Missouri. Rhodora 36: 313.

S.1934. no.429.

Arthraxon hispidus var. cryptatherus.

Tidestrom, I.

Botanical notes. Rhodora 36: 309-312.

S. 1934. no.429.

Aconitum lutescens A. Nels., Delphinium barbeyi Huth, Lathyrus polymorphus Nutt., Range extension of two plant immigrants [Conicummaculatum L., Diplotaxis tenuifolia (L.) DC], Diplotaxis tenuifolia (L.)DC.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Arnold, H. C.

A promising fodder plant. Rhodesia Agr. Journ. 31: 593-595. pl. Ag. 1934. no.8.

Leucaena glauca.



Rhodesia Agr. Journ. (cont.)

Barnes, J.W.

Some trees, shrubs, shrubby-herbaceous plants, climbers and water plants. (cont.) Rhodesia Agr. Journ. 31: 596-606. 2pl. Ag.1934. no.8.

Rubber Res. Scheme, Ceylon, Quart, Circ. (78.9033Q)

Murray, R. K. S.

Oidium leaf disease in Ceylon in 1934.

Rubber Res. Scheme, Ceylon, Quart, Circ. 11: 36-42. Je. 1934. no.2.

Murray, R. K. S.

The sulphur dusting treatment for Oidium.

Rubber Res. Scheme, Ceylon, Quart. Circ. 11: 43-53. vi pl. Je. 1934. no.2.

Science (470Sci2)

Gerhardt, F. & Ezell, B. D.

Retention of carbon dioxide gas in the inter-cellular atmosphere of pears and apples. Science 80: 253-254. S.14, 1934. no.2072.

Robbins, W. J.

Isolation of the infective principle of virus diseases. Science 80: 275-276. S.21, 1934. no.2073.

Snedecor, G. W.

Biological variation vs. errors in measurement. Science 80: 246-247. S.14, 1934. no.2072.

Webber, J. M.

Cytogenetic notes on cotton and cotton relatives. Science 80: 269. S.21, 1934. no.2073.

[Death of Frank Lincoln Stevens] Science 80: 263. S.21, 1934. no.2073.

Died Aug.18th.

Rubber plant experiments. Science 80: 261-262. S.21, 1934. no.2073.

In U.S. Dept. of agriculture.

Sci. Proc. Roy. Dublin Soc. (501D85)

Nolan, T. J.

The chemical constituents of lichens found in Ireland. I. Buellia canescens. Sci. Proc. Roy. Dublin Soc. n.s., 21: 67-71. pl.2. Ag.1934. no.6/12.



Sitzungsb. u. Abh. Flora Sächs. Ges. Bot.u. Gartenb. (85F66)  
Dänhardt, W.

Oscar Drude zum gedächtnis. Sitzungsb.u.  
Abh. Flora Sächs. Ges. Bot. u. Gartenb. n.f.,36/38:  
9-12. port. 1934.

Kendel, K.

Eine botanische reise quer durch Albanien.  
Sitzungsb. u. Abh. Flora Sächs. Ges. Bot.u.  
Gartenb. n.f., 36/38: 46-73. pl. 1934.

Schindler, O.

Erdbeeren. Sitzungsb. u. Abh. Flora Sächs.  
Ges. Bot. u. Gartenb. n.f. 36/38: 38-42. 1934.

South. Flor. (Fort Worth, Tex.) (80So86)

Woodbury, G. W.

Some effects of shading on greenhouse crops.  
South. Flor. 37(22): 4-5. S.7, 1934.

Sovetsk. Botanika (450So8)

Gorodkov, B. N.

Ob osnovaniïakh i metodakh khoziâistvennoï  
klassifikatsii i bonitirovki olen'ikh pastbishch  
(Sur les principes et les méthodes d'une classi-  
fication des pâturages de rennes). Sovetsk. Bot-  
anika 1934: 54-66. no.1.

Russian.

Keller-Leisle, E. F.

Transpiratsiia u razlichnykh modifikatsiï odnogo  
vida (Transpiration chez diverses modifications de  
la même espèce). Sovetsk. Botanika 1934: 101-102.  
no.1.

Russian.

Kraevoï, S.Îâ.

Vliianie rentgenovykh lucheï na vosproizvoditel'-  
nuïu (polovnuïu) sistemu i semennuïu produktivnost  
gorokha i chiny (Influence des rayons Röntgen sur  
le système reproductif (sexuel) et la production de  
graines chez le pois et Lathyrus). Sovetsk. Bo-  
tanika 1934: 74-84. iii pl. no.1.

Russian.

Larin, I. V.

Metodika izucheniia otavnosti rastenii (Méthodique  
d'investigation de la faculté des plantes de  
repousser après leur coupe). Sovetsk. Botanika  
1934: 95-101. no.1.

Russian.



Sovetsk. Botanika (cont.)

Nikitin, I.

Vliianie luchei rentgena na pyl'tsu drevesnykh i travianistykh rastenii (Influence des rayons Röntgen sur le pollen des plantes ligneuses et des herbes). Sovetsk. Botanika 1934: 66-74. illus. no.1.

Russian.

Pavlov, N. V. & Lipschitz, S. Iu.

Eskiz floristicheskikh elementov Syrdar'nskogo Karatau (Esquisse des éléments floristique du Syrdaria Karatau). Sovetsk. Botanika 1934: 13-42. no.1.

Russian.

Transhel, V.

"Pravilo Fishera" i "metod Tranzshelia" u rzhavchinnykh gribov (La "regle Fischer" et la "méthode Tranzschel" chez les urédinees). Sovetsk. Botanika 1934: 85-90. no.1.

Russian with Latin diagnosis of new species (Uromyces exspectatus).

Zazhurilo, K. K.

Problema rodoslovnogo dereva tsvetkovykh rastenii v sovremennom osveshchenii (Problème de l'arbre généalogique des plantes phanérogames sous le jour de la science moderne). Sovetsk. Botanika 1934: 42-64. illus. no.1.

Russian.

Succulenta (Leeuwarden) (450Sul)

Hummelinck, P. W.

Over de cactussen van Curaçao, Aruba en Bonaire. Succulenta 16: 145-153. illus. S.1934. no.9.

Swüste, F.

De splitsingswet van Mendel en bastaardeering bij het geslacht Lithops. Succulenta 16: 153-158. illus. S.1934. no.9.

Le Terre et la Vie (Paris) (410T27)

Guinier, P.

Les arbres d'ornement et de rapport en France. Le Terre et la Vie 4: 531-542. illus. S.1934. no.9.



Tijdschr. Plantenz. (464.8T44)

Goossens, J.

Onderzoek naar de eerste infectiebron van  
appel-en pereschurft. Tijdschr. Plantenz.  
40: 174-176. Ag. 1934. no.8.

Trop. Natuur (410.9T75)

Schuitemaker, J.P. & Franssen, C. J. H.

Onderzoek naar de bekerfauna van eenige  
Nepenthaceae bij Mandor. I. Trop. Natuur  
23: 146-151. illus. Ag. 1934. no.8.

Botanisch gedeelte.

Trudy Inst. Nov. Lubian. Syr'ia [Trans. Inst. New Bast Fibers]  
(Moskva) (73.9M85)

Boiarkin, A. N.

Pozitivno-absorptsionnyi metod mikroskopii v  
anatomii rastenii [Positive absorption method  
of microscopy in plant anatomy] Trudy Inst.  
Nov. Lubian. Syr'ia [Trans. Inst. New Bast Fibers]  
2(2): 93-111. illus. 1933.

Russian.

Breslavets, L.

Tsitologicheskii issledovaniia lubianykh  
rastenii [Cytological investigations in fiber plants]  
I-II. Trudy Inst. Nov. Lubian. Syr'ia [Trans.  
Inst. New Bast Fibers] 2(2):112-116, 142-148.  
illus. 1933.

Russian. I. Cannabis sativa (konoplia). II. Kendyr,  
rami, kenaf, kanatnik, san, bamiia.

G.Medvedeva, M. Magitt joint authors II.

Magitt, M. & Tiurk, E.

K anatomii roda Crotolaria. Trudy Inst. Nov.  
Lubian. Syr'ia [Trans. Inst. New Bast Fibers] 2(2):  
45-52. illus. 1933.

Russian.

Magitt, M.

Struktura steblii [Stem structure]. Trudy Inst.  
Nov. Lubian, Syr'ia [Trans. Inst. New Bast Fibers]  
2(2): 36-44. illus. 1933.

Russian.

Potapov, A. A. & Martyshekina, N. I.

Kharakteristika steblei dikikh kendyrei [Char-  
acteristics of stem of wild kendir] Trudy Inst.  
Nov. Lubian Syr'ia [Trans. Inst. New Bast Fibers]  
2(2): 67-85. 1933.

Russian.



U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Blood, H. L.

Curly top (western yellow blight) of tomatoes  
in Utah. U.S. Dept. Agr. Plant Dis. Rep. 18:  
131-133. S.15, 1934. no.11.

U.S. Dept. Agr. Miscellaneous mimeographed publications.  
Hartley, C.

Diseases of locust nursery stock. Washington,  
D.C., J1.1934.

Mimeographed publ. from Bur. of plant industry,  
U.S. Dept. of agriculture.

Vict. Nat. (Melbourne) (410V66)

Coleman, E.

Pollination of *Prasophyllum parvifolium* Lindl.  
The function of the caudicle. Vict. Nat. 51: 101-  
107. illus. Ag.1934. no.4.

Tadgell, A. J.

Notes on the Rasp ferns. Vict. Nat. 51: 87-88.  
col.pl.xvii. Ag. 1934. no.4.

Species of *Doodia*.

Zeitschr. Bot. (Jena) (450Z32)

Gassner, G. & Goeze, G.

Assimilationsverhalten, chlorophyllgehalt und  
transpirationsgrösse von getreideblättern mit bes-  
onderer berücksichtigung der kalium- und stickstoff-  
ernährung. Zeitschr. Bot. 37: 257-340. illus.  
1934. no.5/6.

Wheat and rye.

Jahn, A.

Ueber wachstum, plasmaströmung und vegetative  
fusionen bei *Humaria leucoloma* Hedw. Zeitschr.  
Bot. 27: 193-250. illus. 1934. no.4.

Kaan Albast, A. v.

Anatomische und physiologische untersuchungen  
über die entstehung von siebröhrenverbindungen.  
Zeitschr. Bot. 27: 1-94. illus. 1934. no.1/2.

Overbeck, F.

Beiträge zur kenntnis der zellstreckung.  
(Untersuchungen am sporogonstiel von *Pellia epi-  
phylla*). Zeitschr. Bot. 27: 129-170. illus.  
1934. no.3.



Zeitschr. Zuckerind. Čechoslovak. Rep. (66.8Z3)

Stehlik, V.

Einfluss des bodens auf die anfangsentwicklung der rübe mit besonderer rücksicht auf die rübenkrankheiten. (concl.) Zeitschr. Zuckerind. Čechoslovak. Rep. 58: 445-452, 453-455. illus. Ag.24,31, 1934. no.51,52.

Zuckerrübenbau (Hannover) (66.8Z9)

Rademacher, E.

Zur nematodenfrage beim anbau von raps-rüben als haupt- und zwischenfrucht in rübenwirtschaften. Zuckerrübenbau 16: 127-128. Ag.8, 1934. no.8.

Der Züchter (Berlin) (442.8Z8)

Bier, A.

Versuche, verschiedene pflanzenarten ineinander überzuführen und neue arten und rassen zu erzeugen. Der Züchter 6: 181-192. Ag.1934. no.8.

Experiments with Lupinus.

Klapp, E.

Scheinabbau, modifikationen und viruskrankheiten. (Zur neuregelung der kartoffelanerkennung). Der Züchter 6: 177-181. illus. Ag.1934. no.8.

Pelshenke, P.

Qualitätszüchtung bei weizen. Der Züchter 6: 169-172. Ag. 1934. no.8.

Wiese, von

Methoden der gehaltsbestimmung bei runkeln. Der Züchter 6: 172-176. Ag.1934. no.8.

Exper. Stat. Publ.

Platenius, H., Jamison, F. S. & Thompson, H.C.

Studies on cold storage of vegetables.

Cornell Agr. Exp. Stat. Bull. 602. 24 p. illus. My. 1934 (Rec'd S.) (100N48C)

Idaho agricultural experiment station

Plant pathology. In its Ann. Rep. 1933 (Bull. 205): 53-56. illus. My.1934 (Rec'd S.) (100Id1)

C.W. Hungerford plant pathologist.



Exper. Stat. Publ. (cont).

Jehle, R. A.

Potato seed maintenance studies in Maryland -  
Spraying early and late potatoes. Maryland Agr.  
Exp. Stat. Bull. 361: 345-364. illus. Mr.1934.  
(100M36S)

J.W. Heuberger joint author pt.I-II; E.N. Cory  
joint author pt.II.

Blake, M. A.

The relation of the growth status of apple and  
pear trees to injury by fire blight. New Jersey  
Agr. Exp. Stat. Circ. 327. 4 p. Jl.1934(Recd  
S.) (100N46S)

Haenseler, C. M.

Control of dewberry anthracnose by spraying.  
New Jersey Agr. Exp. Stat. Bull. 574. 12 p.  
illus. Je.1934(Recd S.) (100N46S)

Crawford, R. F.

The etiology and control of chile wilt,  
produced by *Fusarium annuum*. New Mexico  
Agr. Exp. Stat. Techn. Bull. 223. 20 p. illus.  
Je.1934. (100N465)

Lehman, S. G.

Contaminated soil and cultural practices as  
related to occurrence and spread of tobacco mosaic  
North Carolina Agr. Exp. Stat. Techn. Bull. 46.  
43 p. illus. My.1934(Recd S.) (100N81)

Wilson, J.D. & Runnels, H.A.

Influence of bordeaux and oil sprays on the  
daily curve of transpiration. Ohio Agr. Exp.  
Stat. Bimonth. Bull. 19: 179-186. S./O. 1934.  
no.170. (1000h3S)

New Books

Allyn, R. S.

The first plant patents. A discussion of the  
new law and Patent office practice. Brooklyn,  
Educational foundation, 1934 (311A15)

Boom, B. K.

Nederlandsche dendrologie. Wageningen,  
H. Veenman, 1934. (459.4B64)



New Books (cont.)

Coupin, H.

La fécondation chez les animaux et chez les végétaux. Paris, J.-B. Baillière, 1934. (4420883)

Fyson, P. F.

The flora of the south Indian hill stations, Ootacamund, Coonoor, Kotagiri, Kodaikannal, Yercaud and the country round. 2 v. Madras, Government press, 1932. (460.12F99F)

Grout, A. J.

Moss flora of North America north of Mexico v.3, pt.4. Newfane, Vt., The author, Ag. 1934. (461.31G91Mo)

Leskea and Pseudoleskea by A.J. Sharp. Fontinalaceae by Winona H. Welch.

Howard, A. L.

A manual of the timbers of the world, their characteristics and uses. Rev.ed. London, Macmillan, 1934. (99.79H83)

Hoyt, R. S.

Planting lists for southern California. A handbook of ornamental plants. Los Angeles, The Livingston press, 1933. (97.2H85)

Keller, B. A. & others, ed.

Sornye rasteniiâ SSSR (The weeds of USSR. A guide to the determination of the weeds of USSR) v.1. Leningrad, Izdatel'stvo Akademii nauk SSSR, 1934. (79B28)

Russian.

Ledeboer, M.S.J.

Physiologische onderzoekingen over Ceratostomella ulmi (Schwarz) Buisman. Baarn, N.V. Hollandia-drukkerij, 1934 (464.07L49)  
Proefschrift - Utrecht.

Le Seur, A. D. C.

The care & repair of ornamental trees. London, Country Life, 1934. (99.05L56)

McNamara, K.

Landscape architecture. A classified bibliography with an author index. Cambridge, Mass., Harvard university school of landscape architecture, 1934. (241M23)



New Books (cont.)

Meyer, T.

Arzneipflanzenkultur und krauterhandel. 5.,  
verb. aufl. Berlin, J.Springer, 1934. (396M576)

Ostenfeld, C. H. & Gröntved, J.

The flora of Iceland and the Faeroes. Copen-  
hagen, Levin & Munksgaard, 1934. (459.10s7)

Stebbing, M. E.

Colour in the garden, plants and shrubs, their  
uses, culture and colour-grouping. London, [etc.]  
T. Nelson & sons, [1934] (97.2St3)

Tottingham, W. E.

Plant biochemistry. Minneapolis, Burgess  
publishing company, 1934. (463.2T64)

Wethered, H. N.

A short history of gardens. London, Methuen,  
1933 (90.51W53)

White, F.

Flowers as food. London, J. Cape, 1934.  
(389.25W586)

Zander, R.

Zander's Grosses garten-lexikon. Berlin,  
Ullstein, 1934. (90.01Z1)

Zechmeister, L.

Carotinoide, ein biochemischer bericht  
uber pflanzliche und tierische polyenfarbstoffe.  
Berlin, J. Springer, 1934 (Monographien aus dem  
gesamtgebiet der physiologie der pflanzen und  
der tiere 31 bd.) (387.1Z1C)

Correction.

v.16, no.7, p.14.

Under Dauphiné, A. under Compt. Rend. Acad.  
Sci. Paris, the vol.no. should be 198.

v.16, no.17, p.4.

Entries under Ber. Deut. Bot. Ges. are in-  
complete, after vol. no. should have (Gen.-vers.heft  
2) and paging should be inclosed in parenthesis, thus:  
51(Gen.-vers.heft 2): (201)-(207).



# BOTANY

## CURRENT LITERATURE

LIBRARY  
RECEIVED

JUL 23 1934 ★  
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 20.

Sept. 24-Oct. 6, 1934.

Acta Hort. Berg. (Stockholm) (451Sw3)

Fries, R. E.

Revision der arten einiger anonaceen-gattung.

III. Acta Horti Berg. v.12, no.1. 220 p. illus.

20 pl. 1934.

Acta Horti Gotoburg. (451G712)

Blom, C.

Rumex obovatus Dans. var. cordatus nov. var.

Acta Horti Gotoburg 9:165-166. illus. 1934.

Blom, C.

Ueber einige Vulpia-arten. Acta Horti Gotoburg.

9: 153-164. illus. 1934.

Magnusson, A. H.

Die flechtengattung Maronea Mass. Acta Horti

Gotoburg 9: 41-66. 1934.

Mauritzon, J.

Zur embryologie einiger lythraceen. Acta Horti

Gotoburg. 9: 1-21. illus. 1934.

Nilsson, S.

Floristiska anteckningar från Bohuslän.

Acta Horti Gotoburg. 9: 23-40. 1934.

Palm, B. T.

A Mitrastemon (Rafflesiaceae) from Sumatra.

Acta Horti Gotoburg. 9: 147-152. illus. 1934.

Plantae sinenses, a Dre. H. Smith annis 1921-  
1922 et 1924 lectae. XXVII-XXXI. Acta Horti Gotoburg  
9: 67-69, 71-98, 99-100, 101-145, 167-183. illus.,  
pl. i-ii. 1934.

XXVII. Verbenaceae. XXVIII. Labiatae (ohne Thymus  
und Salvia). XXIX. Labiatae- Thymus L. XXX. Labiatae -  
Salvia L. (nebst revision der chinesischen und ost-  
birmanischen arten der gattung). XXXI. Valerianaceae.



Acta Horti Gotoburg. (cont.)

Skottsberg, C.

Additional notes on *Santalum* and *Vaccinium*  
from the Pacific. Acta Horti Gotoburg. 9: 185-  
192. illus. 1934.

Agricultura (Mexico) (8Ag822)

Navarro, A.

Enfermedades de la papa en Mexico. Agricul-  
tura (Mexico) 1: 335-338. Ag. 1934. no.5.

Amer. Journ. Bot. (450Am36)

Ahlstrom, E. H. & Tiffany, L. H.

The algal genus *Tetrastrum*. Amer. Journ. Bot.  
21: 499-507. illus. O.1934. no.8.

Harris, H. A.

Frost ring formation in some winter-injured deciduous  
trees and shrubs. Amer. Journ. Bot. 21: 285-298.  
2 pl. O. 1934. no.8.

Jackson, G.

The morphology of the flowers of *Rosa* and  
certain closely related genera. Amer. Journ. Bot.  
21: 453-466. illus. O. 1934. no.8.

Johnansen, D. A.

Studies on the morphology of the Onagraceae.  
VIII. *Circaea pacifica*. Amer. Journ. Bot. 21: 508-  
510. illus. O. 1934. no.8.

McNair, J. B.

The evolutionary status of plant families in  
relation to some chemical properties. Amer. Journ.  
Bot. 21: 427-452. O. 1934. no.8.

Yarbrough, J. A.

History of leaf development in *Bryophyllum*  
*calycinum*. Amer. Journ. Bot. 21: 467-484.  
illus., 2 pl. O. 1934. no.8.

Amer. Nurserym. (Rochester, N.Y.) (80Am371)

Chadwick, L. C.

Soil acidity and plant growth. Amer. Nurserym.  
60(6): 5-6. S.15, 1934.

"Tests of solubility of plant nutrients under  
varying pH readings told to arborists at Pittsburgh  
conference".



Amer. Potato Journ. (75.8P842)

Folsom, D.

Potato virus diseases in 1933. Amer. Potato  
Journ. 11: 235-242. S. 1934. no.9.

Snell, K.

Testing the identity and purity of potato  
varieties in Germany. Amer. Potato Journ. 11:  
242-244. S. 1934. no.9.

Stevenson, F. J.

"What's inside the potato". Amer. Potato  
Journ. 11: 229-234. S. 1934. no.9.

Angew. Bot. (Berlin) (450An4)

Bojko, H.

Angewandte pflanzensoziologie. Angew. Bot. 16:  
349-362. J1./Ag. 1934. no.4.

Ihre beziehung zur land- und forstwirtschaft und  
ihre besondere bedeutung fur die volkswirtschaft  
überhaupt.

Liese, J. & Stamer, J.

Vergleichende versuche über die zerstörungs-  
intensität einiger wichtiger holzerstörender pilze  
und die herdurch verursachte festigkeitsvermin-  
derung des holzes. Angew. Bot. 16: 363-372.  
J1./Ag. 1934. no.4.

Merulius domesticus, M. silvester, Coniophora  
cerebella, Polyporus vaporarius.

Scheibe, A.

Ueber die wildzuckerrüben Anatoliens, Beta  
lomatongona F. et M., B. intermedia Bge. und B.  
trigyna W. et K. Angew. Bot. 16: 305-349. illus.  
J1./Ag. 1934. no.4.

Ann. Bryol. (450An73)

Bryophyta nova (17-25). Ann. Bryol. 7: 157-162.  
illus. 1934.

Descriptions by various authors.

Buch, H.

Methoden zur herstellung mikroskopischer  
dauerpraeparate von moosen unter anwendung wässeriger  
einschlussmittel. Ann. Bryol. 7: 6-8. 1934.

Buch, H.

Verzeichnis der von H. Roivanen in Südchile  
während der auer'schen Feuerlandexpedition im  
jahre 1929 gesammelten Plagiochila-arten. Ann.  
Bryol. 7:1-5. illus. 1934.



Ann. Bryol. (cont.)

Chalaud, G.

Observations sur les spores de *Fegatella conica* et leur mode de germination. Ann. Bryol. 7:9-18. illus. 1934.

Dixon, H. N.

Mosses of Celebes. Ann. Bryol. 7: 19-36. 1934.

Gams, H.

Beiträge zur kenntnis der steppenmoose. I-II. Ann. Bryol. 7: 37-56. illus. 1934.

I. *Funaria hungarica* Boros als aralokaspisches element. II. Die *Pterygoneurum*-arten in den alpen und das *Stegonietum*.

Herzog, T.

Studien über *Drepanolejeunea*. II. Ann. Bryol. 7: 57-94. illus. 1934.

Loeske, L.

Ueber *Tortula freibergii*, *T. obtusifolia* und verwandte formen. Ann. Bryol. 7: 98-107. 1934.

Malmborg, S.v.

Weiteres über die gattung *Cryptothallus*. Ann. Bryol. 7: 103-110. illus. 1934.

Moller, H.

H.W. Arnell. Ann. Bryol. 7: 163-164. port. 1934.

Schiffner, V.

*Macvicaria* und *Madotheca ulophylla*. Ann. Bryol. 7:111-120. illus. 1934.

*Macvicaria* included in *Madotheca*.

Walther, K.

Untersuchungen über die variabilität innerhalb des formenkreises von *Polytrichum juniperinum* Willd. Ann. Bryol. 7: 121-156. illus. 1934.

Ann. Inst. Nat. Agron. (Paris) (105.3In8)

Vavilov, N. I.

Le problème de l'origine des plantes cultivées. Ann. Inst. Nat. Agron. 26: 239-246. 1934.

Ann. Mus. Colon. Marseille (410.9M35)

Choux, Pierre

Une nouvelle asclépiadacée cactiforme malgache. Ann. Mus. Colon. Marseille v.42(V,2) fasc.3. 22 p. illus., vi pl. 1934.

*Stapelianthus decaryi*.



Ann. Missouri Bot. Gard. (St. Louis) (451M69)

Steyermark, J. A.

Studies in Grindelia. II. A monograph of the North American species of the genus Grindelia.

Ann. Missouri Bot. Gard. 21: 433-608. illus. S.1934. no.3.

Arch. Ital. Biol. (442.3Ar25)

Serono, C. & Cruto, A.

Sur l'action des hormones préhypophysaires sur les plantes. Arch. Ital. Biol. 91: 93-95. ii pl. Je.7, 1934. no.2.

Beih. Bot. Centralbl. Abt. II. (Dresden) (450B65Bo)

Gerassimow, D. A.

Die Sphagnum-moose des Urals und Westsibiriens. Beih. Bot. Centralbl. Abt. II, 52: 209-230. Ag. 1934. no.2.

Michaelis, P.

Oekologische studien an der alpinen baumgrenze. II. Die schichtung der windgeschwindigkeit, lufttemperatur und evaporation über einer schneefläche. Beih. Bot. Centralbl. Abt. II, 52: 310-332. illus. Ag. 1934. no.2.

Michaelis, G. & Michaelis, P.

Oekologische studien an der alpinen baumgrenze. III. Ueber die winterlichen temperaturen der pflanzlichen organe, insbesondere der fichte. Beih. Bot. Centralbl. Abt. II, 52: 333-377. illus. Ag. 1934. no.2.

Moser, H.

Untersuchungen über die blattstruktur von Atriplex-arten und ihre beziehungen zur systematik. Beih. Bot. Centralbl. Abt. II, 52: 378-388. illus. Ag. 1934. no.2.

Redinger, K.

Studien zur ökologie der moorschlenken. Physikalisch-chemische und biologischer beobachtungen auf den Lunzer hochmooren. Beih. Bot. Centralbl. Abt. II, 52: 231-309. illus., pl. xvii-xix. Ag. 1934. no.2.

Skuja, H.

Untersuchungen über die rhodophyceen des süßwassers. Beih. Bot. Centralbl. Abt. II, 52: 173-192. illus. Ag. 1934. no.2.



Beih. Bot. Centralbl. Abt.II. (cont.)

Zerow, D.

Postglaziale geschichte der wälder und des klimas der nordwestlichen Ukraine auf grund von pollenstatistischen. Beih. Bot. Centralbl. Abt.II,52: 193-208. illus. Ag.1934. no.2.

Biol. Medd.K.Danske Vidensk. (København) (442.9D23)

Børgesen, F.

Some marine algae from the northern part of the Arabian Sea with remarks on their geographical distribution. Biol. Medd. K. Danske Vidensk. v.14, no.6. 72 p. illus., ii pl. 1934.

Hagerup, O.

Zur abstammung einiger angiospermen durch Gnetales und Coniferæ. Biol. Medd. K. Danske Vidensk. v.11, no.4. 83 p. illus. 1934.

Mortensen, Th. & Rosenvinge, L. K.

Sur une algue cyanophyce, *Dactylococcopsis echini* n.sp., parasite dans un oursin. Biol. Medd. K.Danske Vidensk. v.11, no.7. 10 p. illus. 1934.

Blumen u. Pflanzenb. Vereinigt Gartenw. (Berlin) (80G196)

Berger, R.

Wurzelkropf an dahlien. Blumen u. Pflanzenb. Vereinigt Gartenw. 38: 167. Mr.30, 1934. no.13. *Bacterium tumefaciens*.

Bol. Agr. Zootecn. e Veterin. Minas-Gerais (9.2M66)

Fernandes Da Silva, R.

Problemas da nossa economia rural. Os timbós. Bol. Agr. Zootecn. e Veterin. Minas-Gerais 7:213-223. illus. Ap.1934. no.4. Os timbós = *Lonchocarpus*.

Bol. Estac. Exp. Agr. La Molina (Lima) (102.5I622B)

Carreras G., José.

Observaciones sobre la variedad de caña P.O.J. 2714. Bol. Estac. Exp. Agr. La Molina 4. 34 p. illus. Ap. 1934.

Boll. Sez. Ital. Soc. Intern. Microbiol. (Milano) (448.3Sol)

Carbone, D. & Arata, M.

Sur le mécanisme de l'immunité acquise chez les plantes. Boll. Sez. Ital. Soc. Intern. Microbiol. 6: 219-226. Je. 1934. no.6. Note préliminaire.



Bot. Jahrb. Engl. (Leipzig) (450En3B)

Brinkmann, P.

Zur geschichte der moore, marschen und wälder nordwestdeutschlands. III. Bot. Jahrb. Engl. 66: 369-445. illus., pl. iv-v. Ag.30, 1934. no.4.

Lanfer, K.

Beitrag zur klärung und zum richtigen verständnis der organogenetischen untersuchungen der coniferen-zapfen von O. Hagerup. Bot. Jahrb. Engl. 66: 471-480. Ag.30, 1934. no.4.

2nd pt. of R. Pilger's Anzeige von Hagerup, O.: Zur organogenie und phylogenie der coniferen-zapfen...

Pilger, R.

Vergleichende studien der weiblichen coniferenblüten. Bot. Jahrb. Engl. 66: 469-471. Ag.30, 1934. no.4.

Anzeige von Hagerup, O.: Zur organogenie und phylogenie der coniferen-zapfen, [and his] Zur abstammung einiger angiospermen durch Gnetales und Coniferae.

Smith, L. B.

Geographical evidence on the lines of evolution in the Bromeliaceae. Bot. Jahrb. Engl. 66: 446-468. illus. Ag.30, 1934. no.4.

Bot. Zhurn. SSSR (451R923)

Dzhaparidze, L. I. & Aneli, N. A.

K voprosu ob opadanii vetocek u karkasa (*Celtis caucasica* Willd.) (Zur frage vom abfallen der zweige bei *Celtis caucasica* Willd.) Bot. Zhurn. SSSR 18:353-361. illus. 1933. no.5.

Fursaev, A. D.

K flore iugo-vostoka Evropeiskoi chasti SSSR (Zur flora des süd-ostens des europäischen teils der USSR). Bot. Zhurn. SSSR 18:439-445. 1933.

Russian with brief German summary.

Ivanov, S. L. & Berdichevskii, E. I.

Vliianie razlichnoi vlazhnosti na khranenie maslichnykh semian i sostav masla (Der einfluss verschiedener feuchtigkeitsgrade auf die aufbewahrung von oelsaat und die zusammensetzung des oels). Bot. Zhurn. SSSR 18: 321-330. 1933. no.5.

Russian with German summary.



Bot. Zhurn. SSSR (cont.)

Maleev, V. P.

Mozhzhevelovyĭ les na myse Mart'ian v Iuzhnom Krymu (Der wachholderwald des Kaps Martjan in der Süd-Krim). Bot. Zhurn. SSSR 18: 446-468. illus. 1933. no.6.

Russian with German summary.

Pavlov, N. V.

Kratkii obzor roda Stroganowia Kar. et Kir. (Kurze uebersicht der gattung Stroganowia). Bot. Zhurn. SSSR 18: 362-369. 1933. no.5.

Russian with German summary and Latin diagnoses of new species (*S. cardiophylla*, *S. gracilis*, *S. robusta*).

Rabotnov, T. A.

Veinik langsdorfa v tseentral'noi ĭakutii i ego kormovoe anachenie (*Calamagrostis langsdorfii* Trin. in Zentral-Jakutien und sein bedeutung als futtergras). Bot. Zhurn. SSSR 18: 407-411. 1933. no.5.

Russian with German summary.

Shanidze, M. A.

Materialy k izucheniiu anatomicheskoi struktury i rezhima pĭlasticheskikh veshchestv vegetativnykh organov chainogo kusta, *Camellia sinensis* (L.) O. Ktze. (Materials for the study of the anatomical structure and regime of the plastic substances in the vegetative organs of the tea plant). Bot. Zhurn. SSSR 18: 419-432, 433-438. illus. 1933. no.6.

T.A. Kezeli joint author first pt.

Russian with English summary.

Sinskaia, E. N.

Osnovnye cherti evoliutsii lesnoi rastitel'nosti Kavkaza v sviāzi s istoriei vidov (The principal features of the forest evolution of the Caucasus, in connection with the history of the species). I-II. Bot. Zhurn. SSSR 18: 370-406, 487-515. fold.tab. 1933. no.5,6.

Russian with English summary: p.515.

Sokolovskaia, A. P.

Znachenie solnechnoi radiatsii, a takzhe nekotorykh mikroklimaticheskikh faktorov v temperaturnom rezhime rastenii (Die bedeutung der sonnenaustrahlung und einiger anderer mikroklimatischer faktoren für das temperaturregime der pflanzen).

Bot. Zhurn. SSSR 18: 331-352. illus. 1933. no.5.

Russian with German summary.



Bot. Zhurn. SSSR (cont.)

Tikhimirov, B. A.

Pozhary zarosleĭ kedrovogo stlanika (*Pinus pumila* Rgl.) v Penzhinskome krae (Brände der zwergzirbelkiefer-assoziationen (*Pinus pumila* Rgl.) im Penschina gebiet). Bot. Zhurn. SSSR 18: 469-486. 1933. no.6.

Russian with German summary.

Bryologist (Pittsburgh). (450B84)

Jennings, O. E.

The nomenclature of some of the mosses of the species *Muscorum*. Bryologist 37: 63-64. My./Je. 1934. no.3.

Pitman, E. M.

Additional mosses from Maine, U.S.A. Bryologist 37: 62-63. My./Je. 1934. no.3.

Steere, W. C.

Unreported or otherwise interesting bryophytes from Michigan. Bryologist 37: 57-62. My./Je. 1934. no.3.

Whitehouse, E.

The distribution of some Texas lichens. Bryologist 37: 53-55. My./Je. 1934. no.3.

Bull. Buffalo Soc. Nat. Sci. (500B86)

Zenkert, C. A.

The flora of the Niagara frontier region. Ferns and flowering plants of Buffalo, N.Y., and vicinity. Bull. Buffalo Soc. Nat. Sci. v.16, 328 p. illus., fold.map. Ag. 1934.

Bull. Misc. Inform. Kew (London) (89K51B)

Bancroft, H.

New material of *Monotes kerstingii* from the Gold Coast. Bull. Misc. Inform. Kew 1934: 233-237. pl.viii. 1934. no.6.

Bruce, E. A.

The giant *Lobelias* of East Africa. Bull. Misc. Inform. Kew. 1934: 374. 1934. no.6.

Dyer, R. A. & Milne-Redhead, E.

Notes on the flora of southern Africa. V. The genus *Ruellia* in Thunberg's Herbarium. Bull. Misc. Inform. Kew 1934: 264-270. 1934. no.6.

Jackson, A. K.

Additions to the flora of Cyprus. Bull. Misc. Inform. Kew 1934: 271-273. 1934. no.6.



Bull. Misc. Inform. Kew (cont.)

Kew. Royal gardens

Decades kewenses. Plantarum novarum in herbario  
Horti regii conservatarum. CXXXI. Bull. Misc.  
Inform. Kew 1934: 258-264. 1934. no.6.

Sprague, T. A.

Nathaniel Lord Britton. Bull. Misc. Inform. Kew  
1934: 275-279. 1934. no.6.

Wakefield, E. M.

Contributions to the flora of tropical America.  
XXI. Fungi collected in British Guiana, chiefly  
by the Oxford University expedition, 1929. Bull.  
Misc. Inform. Kew 1934: 238-258. illus. 1934. no.6.  
Neotyphula guianensis, Polydiscidium martynii n.gen & n.spp.

Bull. R. Soc. Tosc.ortic. (Firenze) (86R22)

Maccioni, M.

Intorno alla colorazione dei fiori della  
Hydrangea hortensis Sieb. Bull. R. Soc. Tosc.ortic.  
59: 95-100. illus. Jl./Ag. 1934. no.7/8.

Philippis, A. de

Fra i più maestosi alberi ornamentali: i  
platani. Bull. R. Soc. Tosc.ortic. 59:85-90:  
illus. Jl./Ag. 1934. no.7/8.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

California cacti. XIV-XV. Cactus & Succ. Journ.  
6: 28,41. illus. Ag.; S.1934. no.2,3.  
XIV. Opuntia brachyclada. XV. Opuntia chlorotica.

Hallenbeck, C.

Neomammillaria wrightii Eng. Cactus & Succ.  
Journ. 6: 23-24. illus. Ag.1934. no.2.

Lahman, M. S.

Notes on Oklahoma cacti. II. Coryphanta  
columnaris, a new species. Cactus & Succ. Journ.  
6: 27. illus. Ag.1934. no.2.

Poindexter, R. W.

New garden species. I-II. Cactus & Succ. Journ.  
6: 19-20, 43-44. illus. Ag., S.1934. no.2,3.

Schmoll, C.

Concerning Echinofossulocactus. Cactus & Succ.  
Journ. 6: 36-37. illus. S.1934. no.3.



Cactus & Succ. Journ. (cont.)

Swuste, F.

The genus *Lithops*. I-II. Cactus & Succ. Journ. 6:21-22, 38-39. Ag., S. 1934. no.2,3.

I. Propagation by seed. II. Mendelism and hybridization in the genus *Lithops*.

Canad. Journ. Res. (Ottawa) (530.90160)

Harrington, J. B. & Marshall, J. B.

F<sub>2</sub> endosperm development in relation to breeding technique with inter-specific wheat crosses.

Canad. Journ. Res. 11: 333-346. S. 1934. no.3.

Spier, J. D.

Chiasma frequency in species and species hybrids of *Avena*. Canad. Journ. Res. 11: 347-361. illus. S. 1934. no.3.

Chem. & Industr. (London) (382M31)

Woodman, R.M., Brenchley, G.H. & Hanley, F.

Soil treatment for Brassicacae. I. The effect of sterilisation of the soil by mercuric chloride on the seedling growth of Brussels sprouts. Chem. & Industr. 53: 35T-36T. Ja.26, 1934. no.4.

Citrus News Melbourne. (800494)

Brown, D. D.

Anthraco-nose control. Seasonal conditions generally favor fungus diseases. Interesting experiments at Swan Hill. Citrus News Melbourne 10: 65. Ap.2, 1934. no.4.

Compt. Rend. Acad. Sci. Paris (505P21)

Carpentier, A.

Contribution à l'étude des fructifications mâles des neuroptéridées. Compt. Rend. Acad. Sci. Paris 199: 607-608. S.17, 1934. no.12.

Harret, R. & Millat, L.

Sur un nouvel alcaloïde des *Mitragyna*, la nitrinermine. Compt. Rend. Acad. Sci. Paris 199: 587-589. S.10, 1934. no.11.

Costa Azzurra Agr.-Flor. (Sanremo) (16082)

Calvino, E. M.

Influenza dell'elettricità sulla vita vegetale. Costa Azzurra Agr. Flor. 14:203-208. Ag.1934. no.8.

Calvino, M.

Gomma elastica Italiana. Costa Azzurra Agr. Flor. 14: 197-203. illus. Ag.1934. no.3.



Current Science (Bangalore) (475Sci23)

Dastur, R. H.

Reverend Ethelbert Blatter, S. J. (1877-1934).

Current Science 3:58-59. Ag.1934. no.2.

Dixit, S. C.

Equisetum in Gujerat. Current Science 3:  
64-65. Ag.1934. no.2.

Sastri, B. N. & Sreenivasaya, M.

The study of plant tissue fluids. A critical  
review. (cont.) Current Science 3: 52-58. Ag.  
1934. no.2.

Desert (Pasadena) (450D45)

Barnhart, P. D.

Boyce Thompson arboretum. Desert (Pasadena)  
6: 77-78. illus. S.1934. no.5.

Breazeale, J. M.

Variation in the color of flowers of same species.  
Desert (Pasadena) 6: 74. S.1934. no.5.

Burchard, O.

Gnaphalium webbii Sch.-Bip. Desert (Pasadena)  
5:19. illus. Je. 1934. no.2.

Morton, C. V.

A new species of Dudleya from Arizona. Desert  
(Pasadena) 6: 68. S.1934. no.5.

Dudleya collomae.

Shantz, H. L.

Botanical research. Desert (Pasadena) 6: 69,  
72. S. 1934. no.5.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Kraevoi, S. Ia.

O tri- tetra- i geksaploidnykh naborakh khromosom  
v somaticheskikh kletkakh Scorzonera tau-saghyz (On  
the tri- tetra- and hexaploid chromosome complements  
in somatic cells of Scorzonera tau-saghyz). Dokl.  
Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s.,  
3: 284-288. illus. Ag.1, 1934. no.4.

Russian with English summary.



Empire Cotton Grow. Rev. (London) (72.8Em7)

Gates, R. R.

The cytological study of cotton and its relatives. Empire Cotton Grow. Rev. 11: 194-201.  
pl. Jl. 1934. no.3.

Massej, R. E.

Studies on blackarm disease of cotton. III.  
Empire Cotton Grow. Rev. 11:188-193. pl. Jl.  
1934. no.3.

Flor. Rev. (Chicago) (80W41)

Plants for the hardy garden. Flor. Rev. 74(1921):  
24-25. S.20, 1934.

Some new phloxes, *Aster porteri*, *A. foliaceus*,  
*Hesperis steveviana*, *Iris dichotoma*, regal lilies.

Gard. Quart. San Francisco (80G1616)

Breazeale, J. M.

Color schemes of cacti. Gard. Quart. San  
Francisco 2(3): 33, 69-70. illus. S./N. 1934.

Fraser, D. C.

Western wildflowers. Gard. Quart. San Francisco  
2(3): 51-53, 68-69. illus. S./N. 1934.

Purdy, C.

Pygmies for the rock garden. Gard. Quart.  
San Francisco 2(3): 32. illus. S./N. 1934.

Gard. Chron. (London) (80G162)

Green, D. E.

The virus of spotted wilt in Gloxinias.  
Gard. Chron. III, 96: 159. illus. S.1, 1934. no.2488.

Smith, E. H.

Sprain (g) or internal brown fleck of potatoes.  
(*Pseudomonas solaniolens*, Paine). Gard. Chron.  
III, 96: 178-179. illus. S.8, 1934. no.2489.

Ward, F. K.

Mr. F. Kingdon Ward's twelfth expedition in  
Asia. III. Gard. Chron. III, 96: 156-157.  
illus. S.1, 1934. no.2488.

Gard. Chron. Amer. (80G1632)

Creasey, L. B.

Giant rhododendrons. (cont.) Gard. Chron. Amer.  
38: 297-298. O.1, 1934. no.10.



Gard. Illus. (London) (80G169)

Thompson, H. P.

Plant-hunting in the Balkans. (Alpines in Bulgaria) (concl.) Gard. Illus. 56:518, 532-533. illus. S.1,3, 1934. no.2895, 2896.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)

Kögl, F. & Erxleben, H.

Ueber die konstitution der auxine a und b. Hoppe-Seyl. Zeitschr. Phys. Chem. 227: 51-73. S.6, 1934. no.1/4.

No.10 of their Mitteilung über pflanzliche wachstumsstoffe.

House and Gard. (Greenwich, Conn.) (80H81)

Darrow, A. G.

The forty-two best bellflowers. House and Gard. 66(4): 52-53. 92. illus. O.1934.

Guterman, G.E.F. & O'Leary, K.

The plant doctor looks critically at your lilies. House and Gard. 66(4): 70-71, 89, 96. illus. O.1934.

Wilder, L. B.

The pageant of the Calochortus for gardens in the East. Home & Gard. 66(4): 50-51, 93, 95. illus. O. 1934.

Indian For. (Dehra Dun) (99.8In2)

Aggarwal, K. L.

Soil flora in deodar forests and its importance. Indian For. 60: 602-607. S.1934. no.9.

Industr. & Engin. Chem. (Easton, Pa.) (38LJ825)

McDaniel, A. S.

Colloidal bentonite-sulfur. Industr. & Engin. Chem. 26: 340-345. illus. Mr.1934.

Intern. Bull. Plant Prot. (464.8In8)

McRae, W.

New diseases reported during the year 1933 [India] Intern. Bull. Plant Prot. 8: 199-202. S.1934. no.9.

Müller, A. S.

Brazil: Preliminary list of diseases of plants in the state of Minas Geraes. Intern. Bull. Plant Prot. 8: 193-198. S.1934. no.9.



Ital. Agr. (Milan) (16It1)

Munerati, O.

Osservazioni sulla carie del grano. Ital. Agr.  
71: 597-602. illus. Ag.1934. no.8.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Arens, K.

Die kutikuläre exkretion des laubblattes.  
Jahrb. Wiss. Bot. 80: 248-300. 1934. no.2.

Kisser, J. & Beer, I.

Untersuchungen über die chemotropische  
empfindlichkeit dikotyler keimpflanzen. Jahrb.  
Wiss. Bot. 80: 301-335. 1934. no.2.

Michaelis, P.

Oekologische studien en der alpinen baumgrenze  
IV. Zur kenntnis des winterlichen wasserhaushaltes.  
Jahrb. Wiss. Bot. 80: 169-247. illus. 1934. no.2.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Hurd-Karrer, A. M.

Selenium injury to wheat plants and its  
inhibition by sulphur. Journ. Agr. Res. 49:  
345-357. illus., 2 pl. Ag.15, 1934(Rec'd S.28)  
no.4.

LeClerg, E. L.

Parasitism of *Rhizoctonia solani* on sugar beet.  
Journ. Agr. Res. 49: 207-431. illus. S.1, 1934.  
(Rec'd S.25) no.5.

Concluded "that *Rhizoctonia* root rot of sugar  
beets is probably caused by strains of *R. solani*  
distinct pathogenically from those on potato".

Shaw, L.

Studies on resistance of apple and other  
rosaceous plants to fire blight. Journ. Agr. Res.  
49: 283-313. illus. Ag.15, 1934(Rec'd S;23) no.4.

Smith, C. O.

Inoculations showing the wide host range of  
*Botryosphaeria ribis*. Journ. Agr. Res. 49: 467-  
476. pl.1-3. S.1, 1934(Rec'd S.25) no.5.

Journ. Amer. Pharm. Assoc. (Easton, Pa.) (396.9Am33J)

Wakemann, N.

Preliminary report upon chemical examination of  
the entire plant of *Celastrus scandens*. Journ. Amer.  
Pharm. Assoc. 23: 873-874. S.1934. no.9.

With Carl Buhler, Harvey Kimbel, Albert Niebuar,  
Andrew Ruzek and Vincent Wasz.



Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Bracken, A. F.

Effect of various smut treatments on yield of winter wheat. Journ. Amer. Soc. Agron. 26: 748-751. S.1934. no.9.

Harmon, G. W. & Keim, F. D.

The percentage and viability of weak seeds recovered in the feces of farm animals and their longevity when buried in manure. Journ. Amer. Soc. Agron. 26: 762-767. S.1934. no.9.

Jenkins, M. T.

Linkage relations of the  $A_2 a_2$  factor pair in maize. Journ. Amer. Soc. Agron. 26: 719-720. S. 1934. no.9.

Myers, H. E.

Effect of chemical soil treatments on the root, crown, and shoot rot of milo. Journ. Amer. Soc. Agron. 26: 737-739. illus. S.1934. no.9.

Due to undetermined micro-organism which lives over in the soil.

St. John, R. R.

A comparison of reciprocal top crosses in corn. Journ. Amer. Soc. Agron. 26: 721-724. S.1934. no.9.

Smith, S. N.

Response of inbred lines and crosses in maize to variations of nitrogen and phosphorus supplied as nutrients. Journ. Amer. Soc. Agron. 26: 785-804. illus. S.1934. no.9.

Journ. Bombay Nat. Hist. Soc. (513B63)

Blatter, E. & Fernandez, J.

The flora of Waziristan. IV. Journ. Bombay Nat. Hist. Soc. 37: 391-424. pl.vi-viii. Ag.15, 1934. no.2.

Blatter, E.

Revision of the flora of the Bombay Presidency. XXIV. Cyperaceae. Journ. Bombay Nat. Hist. Soc. 37: 255-277. illus., iii pl. Ag.15, 1934. no.2.

Blatter, E. & Millard, W. S.

Some beautiful Indian trees. XV. Journ. Bombay Nat. Hist. Soc. 37: 310-313. illus., col.pl. 23. Ag.15, 1934. no.2.



Journ. Bombay Nat. Hist. Soc. (cont.)

McCann, C.

Ethelbert Blatter, S.J. Journ. Bombay Nat. Hist. Soc. 37:466-473. port. Ag.15, 1934. no.2.

McCann, C.

Occurrence of *Isoetes coromandelina* L. in the Bombay Presidency. Journ. Bombay Nat. Hist. Soc. 37: 501-502. Ag.15, 1934. no.2.

Journ. Bot. (London) (450J82)

Britton, C. E.

Varieties of *Galium mollugo* Linn. in Britain. Journ. Bot. 72: 243-251. S.1934. no.861.

Martin, M. T.

Regeneration in *Polysiphonia nigrescens* Grev. Journ. Bot. 72: 241-243. illus. S.1934. no.861.

Rendle, A. B.

Dr. Leonard Cockayne (1855-1934). Journ. Bot. 72: 257-259. S.1934. no.861.

Ridley, H. N.

New Malayan Rubiaceae. Journ. Bot. 72: 251-257. S.1934. no.861.

Alston, A. H. G.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Journ. Bot. Suppl. to v.72, no.861. 8 p. S.1934.

Pteridophyta.

Journ. Counc. Sci. & Industr. Res. Austral. (Melbourne)

Angell, H. R.

Flag smut of wheat - early symptoms. (514Au72J) Journ. Counc. Sci. & Industr. Res. Austral. 7: 153-156. Ag.1934. no.3.

Hicks, E. W.

Finger dropping from bunches of *Australina* Cavendish bananas. Journ. Counc. Sci. & Industr. Res. Austral. 7: 165-168. Ag.1934. no.3.

Due to inadequate reduction of humidity in the later stages of ripening.

McMillan, J.R.A. & Bryan, W.W.

Maize breeding at the Queensland agricultural high school and college. Journ. Counc. Sci. & Industr. Res. Austral. 7: 157-160. Ag.1934. no.3.

The first part of the report deals with the general situation of the country and the progress of the war. It is followed by a detailed account of the military operations in the West, including the Battle of Arras and the Battle of Cambrai. The report also discusses the situation in the East, particularly in the Balkans and the Caucasus.

The second part of the report is devoted to the economic and social conditions of the country. It discusses the impact of the war on the economy, the food situation, and the social conditions of the population. The report also mentions the activities of the various political parties and the progress of the democratic movement.

The third part of the report is a summary of the main points discussed in the previous sections. It concludes with a statement of the author's views on the future of the country and the progress of the war.

The report is written in a clear and concise style, and it provides a comprehensive overview of the situation in the country at the time. It is a valuable document for anyone interested in the history of the country and the progress of the war.

Journ. Hered. (Washington) (442.8Am3)

Friend, W. H.

The origin of a superior red-fleshed grapefruit.

Journ. Hered. 25: 358. S.1934. no.9.

Bud mutation of the Thompson variety of possible horticultural value.

McKinney, H. H. & Sando, W. J.

Recumbence in wheat, as influenced by light and the soil surface. Journ. Hered. 25: 351-357. illus. S.1934. no.9.

Shamel, A. D. & Pomeroy, X. S.

A bud variant of the Santa Rosa plum. Journ. Hered. 25: 379-382. illus. S.1934. no.9.

A late-maturing form possibly of commercial importance.

Journ. Pharm. Soc. Japan. (J396.9P49)

Inagaki, S.

Untersuchungen über bestandteile der in Japan einheimischen pilze. I. Mannitgehalt der pilze.

Journ. Pharm. Soc. Japan 54: 125-127. Aug.1934. no.8.

Kranke Pflanze (Dresden) (464.8K86)

Stapp, C.

Die fettfleckenkrankheit der bohnen. Kranke Pflanze 11:97-99. pl. (front.) S.1934. no.9.

Bacterium medicaginis phaseolicola.

Landw. Jahrb. (Berlin) (18L23)

Köhler, E.

Beiträge zum studium des kartoffelabbaus.

Landw. Jahrb. 79: 205-217. 1934. no.2.

Beobachtungen auf dem Dählemer versuchsfelde der Biologischen reichsanstalt.

Lüstner, G.

Bericht über die tätigkeit der Pflanzenpathologischen versuchsstation. In Bericht Lehr- u. Forstungsanst. Wein-, Obst-, u. Gartenb. Geisenheim a. Rh. 1933. Landw. Jahrb. 79(Ergänzungsbd.): 173-177. 1934.

Schander, R.

Bericht über die tätigkeit des Institutes für pflanzenkrankheiten 1933. In Jahresb. Preuss. Landw. Vers.- u. Forschungsanst. Landsberg. (Warthe) 1933. Landw. Jahrb. 79(Ergänzungsbd.): 15-22. 1934.



- Medd. Stat. Växtskyddsanstalt, Stockholm. (464.9Sw3M)  
Lindfors, T.  
Försök med utsädesbetning utförda 1931-32.  
Medd. Stat. Växtskyddsanstalt, Stockholm no.5.  
23 p. 1934.  
German summary.
- Mitt. Biol. Reichsanst. Landw. u. Forstw. Berlin. (410.9G31M)  
Berlin. Biologische reichsanstalt für land- und  
forstwirtschaft.  
Krankheiten und beschädigungen der kultur-  
pflanzen im jahre 1931. Its Mitt. 48:1-62. illus.  
(maps) 1934.
- Morstatt, H.  
Ueber die frange der zunahme der pflanzenkrank-  
heiten. Mitt. Biol. Reichsanst. Landw. u. Forstw.  
Berlin 48: 63-72. Mr. 1934.
- Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)  
Friö, A. V.  
Kakteen-benennung. Ill. Möller's Deut. Gärtn.-  
Zeit. 49: 298-299. S.11, 1934. no.25.
- Mycologia (460M99)  
Ames, L. M.  
Hermaphroditism involving self-sterility and cross-  
fertility in the Ascomycete *Pleurage anserina*.  
Mycologia 26: 392-414. illus. O.1934. no.5.
- Arthur, J. C.  
Interpretation of rule 49bis. Mycologia 26:  
471-476. O. 1934. no.5.
- Boyd, E. S.  
A developmental study of a new species of  
*Ophiodothella*. Mycologia 26: 456-468. illus., pl.51.  
O. 1934. no.5.  
*Ophiodothella vaccinii*.
- Hotsen, J. W. & Lewis, E.  
*Amanita pantherina* of western Washington.  
Mycologia 26: 384-391. illus., pl.45-46. O.  
1934. no.5.
- Linder, D. H.  
North American Hyphomycetes. II. New species and  
a new genus. Mycologia 26:436-440. pl.50. O.  
1934. no.5.  
*Spondylocladiella* (n.g.) *S. botrytioides*,  
*Dactylaria pulchra*, *Bonordeniella aspera* n.spp.



Mycologia (cont.)

McCrea, A.

Fungicidal value of some common dyes against dermatophytic fungi. *Mycologia* 26: 449-453. O. 1934. no.5.

McCrea, A.

Longevity of *Merulius lacrymans* in wood destroyed by its growth. *Mycologia* 26: 454-455. O. 1934. no.5.

Shimek, B.

Thomas Huston Macbride. *Mycologia* 26: 379-383. port. O. 1934. no.5.

Stevens, N.S.

Mycological letters from M.A. Curtis 1856-1861. *Mycologia* 26: 441-448. O. 1934. no.5. Letters to Rev. Joseph Blake.

Stevenson, J. A.

Dr. Karl Frederic Kellerman... *Mycologia* 26: 477. O. 1934. no.5.

Whelden, R. M.

Cytological studies in the Tremellaceae. I. *Tremella*. *Mycologia* 26: 415-435. illus., pl.47-49. O. 1934. no.5.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)  
Richter, H.

Eine noch nicht aufgeklärte lupinenkrankheit. *Nachrichtenbl. Deut. Pflanzenschutzd.* 14:81-82. illus. S.1934. no.9.

Nature (London) (472N21)

Renn, C. E.

Wasting disease of *Zostera* in American waters. *Nature* 134: 416. illus. S.15, 1934. no.3385.

In air spaces and cells of diseased leaves is found a mycetozoan very similar to the *Labyrinthula* described by Cienkowski. Further investigations necessary to determine its relation to the disease.

Naturaliste Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne. (cont.) *Naturaliste Canad.* 61: 231-236. Ag./S. 1934. no.8/9.



Naturforsch. (Berlin) (410N219)

Arndt, A.

Rasches aufblühen der nachtkerze (*Oenothera biennis*). Naturforsch. 11: 220-221. illus. S. 1934. no.6.

Klar, R. & Zickler, H.

Pflanzenwachstum in schwerem wasser (H<sub>2</sub>O). Naturforsch. 11: 205-207. illus. S.1934. no.6.

Nederl. Boschb.-Tijdschr. (Utrecht) (99.8N28)

Buisman, C.

Iepencultuur en iepenziekte in Italie. Nederl. Boschb.-tijdschr. 6:147-152. illus. My. 1934. no.5.

Northwest Science. (Cheney, Washington) (470N81)

Beck, G. F.

Tertiary floras of central Washington. Northwest Science 8(3): 3. S.1934. Abstract.

Notas Prel. Mus. La Plata (516L31N)

Cabrera, A. L.

Notas sobre el género *Mutisia*. Notas Prel. Mus. La Plata 3: 157-172. illus., ii pl. 1934. no.1. *M. hieronymi* Sodiro in herb., *M. microcephala* Sodiro in herb.n.spp.

Cabrera, A. L.

Notas sobre los *Senecio* sudamericanos. Notas Prel. Mus. La Plata 3: 111-128. illus. 1934. no.1. *S. burkartii*, *S. grünerii*, *S. ventanensis*, n.spp.

Frenquelli, J.

A propósito del género *Cornua* Schulz. Notas Prel. Mus. La Plata 3: 221-232. illus. 1934. *Dictyocha fibula*.

MacDonagh, E. J.

Semblanza del doctor Angel Gallardo. Notas Prel. Mus. La Plata 3: 203-219. port. 1934. no.1.

Ringuelet, E. J.

Nota fitogeográfica preliminar sobre el Rincón de Viedma. Notas Prel. Mus. La Plata 3: 77-88. illus., iii pl. 1934. no.1.



Notizbl. Bot. Gart. Berlin. (451B45M)

Burret, M.

Palmae gerontogaeae. III. Notizbl. Bot. Gart.  
Berlin 12: 44-46. Je.25, 1934. no.111,

Burret, M.

Palmae neogaeae. VII. Notizbl. Bot. Gart. Berlin  
12: 42-44. Je.25, 1934. no.111.

Glück, H.

Novae species et varietates generis Limosellae.  
Notizbl. Bot. Gart. Berlin 12: 71-78. Je.25, 1934.  
no.111.

Knoblauch, E.

Steganthus und Leuranthus, zwei neue gattungen  
der oleaceen. Notizbl. Bot. Gart. Berlin 12: 115-  
117. Je.25, 1934. no.111.

Loesener, T.

Celastraceae novae vel melius cognoscendae.  
Notizbl. Bot. Gart. Berlin 12: 29-38. Je.25, 1934.  
no.111.

Markgraf, F.

Die gattung Astronidium A. Gray. Notizbl. Bot.  
Gart. Berlin 12: 47-50. Je.25, 1934. no.111.

Mildbræd, J.

Neue und seltene arten aus Ostafrika (Tangan-  
yika-Territ. Mandat) leg. H.J. Schlieben. VI.  
Notizbl. Bot. Gart. Berlin 12:79-108. Je.25, 1934.  
no.111.

Schulz, O. E.

Neue cruciferen aus Südamerika. Notizbl. Bot.  
Gart. Berlin 12: 39-41. Je.25, 1934. no.111.  
Cardamine grandjotii, Draba azorellicola, n.spp.,  
Lesquerella mendozina var. microcarpa n.var.

Schulze, G.K.

Neue arten der gattung Hybanthus. Notizbl.  
Bot. Gart. Berlin 12: 108-114. Je.25, 1934. no.111.

Sleumer, H.

Beiträge zur kenntnis der flacourtiaceen  
Südamerikas. II. Notizbl. Bot. Gart. Berlin  
12: 50-56. Je.25, 1934. no.111.



Notizbl. Bot. Gart. Berlin (cont.)

Sleumer, H.

Ericaceae andinae novae. I- Notizbl. Bot. Gart.  
Berlin 12: 56-65. Je. 25, 1934. no.111.

Orchidee (Bandoeng) (800r18)

Schmidt, K.

Een succesvolle orchideeënjacht in de Philippij-  
nen. II. Orchidee (Bandoeng) 3: 199-202. illus.  
Ag.1934. no.8.

Papers & Proc. R. Soc. Tasmania (Hobart) (514H65)

Scott, H. H.

Tasmanian Cycadophyta. 2. Papers & Proc.  
R. Soc. Tasmania 1933: 65-66. 1934.

Pflanzenbau (Berlin) (18p48)

Klapp, E. & Spennemann, F.

Strichelkrankheit und scheinabbau der kartoffel.  
Versuch der analyse eines falls schwerer, fortsch-  
reitender wuchsstörungen. Pflanzenbau 11: 67-78.  
illus. Ag.1934. no.2.

Scheibe, A. & Yekta, E.

Der safflor, *Carthamus tinctorius* L., als ölpflanze.  
Pflanzenbau 11: 49-67. illus. Ag. 1934. no.2.

Proc. Amer. Soc. Hort. Sci. (81Sol2)

Albert, D. W. & Hilgeman, R. H.

Fruit growth and temperature relationship in  
the date palm. Proc. Amer. Soc. Hort. Sci.,  
30(1933): 225-228. Je. 1934.

Aldrich, W. W.

Pear fruit thinning, in relation to yield and  
size of fruit for the same season. Proc. Amer.  
Soc. Hort. Sci. 30(1933): 332-340. Je. 1934.

Angelo, E. & Becker, C.

Chromosome number of the Beta grape. Proc. Amer.  
Soc. Hort. Sci. 30(1933): 104. Je. 1934.

Auchter, E. C. & Roberts, J. W.

Experiments in spraying apples for the prevention  
of fruit rot. Proc. Amer. Soc. Hort. Sci. 30(1933):  
22-25. Je. 1934.

Beach, G.

A preliminary study of the fruiting habits of the  
black raspberry - *Rubus occidentalis*. Proc. Amer.  
Soc. Hort. Sci. 30(1933): 268. Je. 1934.



Proc. Amer. Soc. Hort. Sci. (cont.) -

Beaumont, J. H. & Chandler, R. F.

A statistical study of the effects of potassium fertilizers upon the firmness and keeping quality of fruits. Proc. Amer. Soc. Hort. Sci. 30(1933): 37-44. Je. 1934.

Peach and apple.

Becker, G. L.

Chromosome number and self-fertility in *Prunus virginiana* and *P. Pennsylvanica*. Proc. Amer. Soc. Hort. Sci. 30(1933): 122-123. Je. 1934.

Becker, C. L.

A preliminary note on chromosome numbers in *Iris*. Proc. Amer. Soc. Hort. Sci. 30(1933): 591-593. Je. 1934.

Blake, M. A.

Additional facts in regard to the J. H. Hale peach as a parent in breeding work. Proc. Amer. Soc. Hort. Sci. 30(1933): 124-128. Je. 1934.

Borthwick, H. A. & Ensweller, S. L.

Carrot breeding experiments, Proc. Amer. Soc. Hort. Sci. 30(1933): 531-533. Je. 1934.

Boyd, R. L. & Latimer, L. P.

The relation of weather to pollination of the McIntosh apple. Proc. Amer. Soc. Hort. Sci. 30(1933): 12-16. Je. 1934.

Burrell, A. B.

The effect of irrigation on the occurrence of a form of the cork disease and on the size of apple fruits. Proc. Amer. Soc. Hort. Sci. 30(1933): 415-420. illus. Je. 1934.

Burrell, A. B.

Effectiveness and safety of fungicide-arsenical spray combinations on apple in the Champlain Valley of New York. Proc. Amer. Soc. Hort. Sci. 30(1933): 87-94. Je. 1934.

Second report on control of apple scab and insect troubles.

Cameron, S. H. Appleman, D.

The distribution of total nitrogen in the orange tree. Proc. Amer. Soc. Hort. Sci. 30(1933): 341-348. Je. 1934.



Proc. Amer. Soc. Hort. Sci. (cont.)

Chandler, W. H. & Tufts, W. P.

Influence of the rest period on opening of buds of fruit trees in spring and on development of flower buds of peach trees. Proc. Amer. Soc. Hort. Sci. 30(1933): 180-186. illus. Je. 1934.

Chandler, W. H., Hoagland, D. R. & Hibbard, P. L.

Little-leaf or rosette of fruit trees. III. Proc. Amer. Soc. Hort. Sci. 30(1933): 70-86. Je. 1934.

Christopher, E. P.

Carbon dioxide assimilation of Baldwin leaves on different sides of the tree. Proc. Amer. Soc. Hort. Sci. 30(1933): 322-325. Je. 1934.

Christopher, E. P.

Influence of the amount of air supplied to apple leaves upon their CO<sub>2</sub> assimilation. Proc. Amer. Soc. Hort. Sci. 30(1933): 435-439. Je. 1934.

Clark, J. H.

Reaction of the nutrients medium as affecting growth of strawberry plants. Proc. Amer. Soc. Hort. Sci. 30(1933): 283-287. Je. 1934.

Colby, A. S.

Size inheritance in gooseberry fruits. Proc. Amer. Soc. Hort. Sci. 30(1933): 105-107. Je. 1934.

Combs, O. B.

Color of the central parenchyma of the leaf petioles as an index of the internal root color in table beets. Proc. Amer. Soc. Hort. Sci. 30(1933): 459-459. Je. 1934.

Compton, C.

Phosphorus in alternate-bearing sugar prunes. Proc. Amer. Soc. Hort. Sci. 30(1933): 151-153. Je. 1934.

Cordner, H. B.

External and internal factors affecting blossom drop and set of pods in Lima beans. Proc. Amer. Soc. Hort. Sci. 30(1933): 571-576. illus. Je. 1934.



Proc. Amer. Soc. Hort. Sci. (cont.)

Crane, H. L. & Hoffmann, G.P.

Coating pecan trees with paraffin in experimental stage and still an unsafe practice. Proc. Amer. Soc. Hort. Sci. 30(1933): 401-405. Je. 1934.

Darrow, G. M. & Waldo, G. F.

Raspberry and blackberry cane measurements. Proc. Amer. Soc. Hort. Sci. 30(1933): 269-274. Je. 1934.

Davidson, O. W.

The germination of "non-viable" peach seeds. Proc. Amer. Soc. Hort. Sci. 30(1933): 129-132. Je. 1934.

Davis, L. D. & Tufts, W. P.

The effect of size and of seed parent on the growth of pear seedlings. Proc. Amer. Soc. Hort. Sci. 30(1933): 368-372. Je. 1934.

Dorsey, M. & McMunn, R. L.

Fruit-seed dimensions in Elberta. Proc. Amer. Soc. Hort. Sci. 30(1933): 192-194. Je. 1934.

Dowd, O. J.

Preliminary studies on the internal atmosphere of apples. Proc. Amer. Soc. Hort. Sci. 30(1933): 162-163. Je. 1934.

Finch, A.H., Albert, D.W. & Kinnison, A.F.

A chlorotic condition of plants in Arizona related to iron deficiency. Proc. Amer. Soc. Hort. Sci. 30(1933): 431-434. illus. Je. 1934.

Finch, A. H.

Notes on pecan filling and maturity. Proc. Amer. Soc. Hort. Sci. 30(1933): 387-391. illus. Je. 1934.

French, A. P.

An unusual leaf variation of the apple. Proc. Amer. Soc. Hort. Sci. 30(1933): 143-146. illus. Je. 1934.

Furr, J. R. & Taylor, C. A.

The cross-transfer of water in mature lemon trees. Proc. Amer. Soc. Hort. Sci. 30(1933): 45-51. Je. 1934.



Proc. Amer. Soc. Hort. Sci. (cont.)

Gossard, A. C.

A preliminary report on growth rate studies on the pecan. Proc. Amer. Soc. Hort. Sci. 30(1933): 396-400. Je. 1934.

Harley, C. P., Masure, M. P. & Magness, J. R.

Fruit thinning and biennial bearing in yellow Newtown apples. Proc. Amer. Soc. Hort. Sci. 30(1933): 330-331. Je. 1934.

Haut, I.C.

The effect of various low temperatures upon the after-ripening of fruit tree seeds. Proc. Amer. Soc. Hort. Sci. 30(1933): 365-367. Je. 1934.

Hibbard, A. D.

Metaxenia in the apple and squash. Proc. Amer. Soc. Hort. Sci. 30(1933): 140-142. Je. 1934.

Hoagland, D. A. & Snyder, W. C.

Nutrition of strawberry plant under controlled conditions: (a) Effects of deficiencies of boron and certain other elements; (b) Susceptibility to injury from sodium salts. Proc. Amer. Soc. Hort. Sci. 30(1933): 288-294. illus. Je. 1934.

Hodgson, R. W.

Resistance to low winter temperatures of subtropical fruit plants. Proc. Amer. Soc. Hort. Sci. 30(1933): 349-354. Je. 1934.

Hoffman, M. B.

Carbon dioxide assimilation by apple leaves as affected by lime-sulphur sprays. II. Field experiments. Proc. Amer. Soc. Hort. Sci. 30(1933): 169-175. Je. 1934.

Kinnison, A. F. & Finch, A. H.

Some effects of special practices influencing the nutritional balance on yield, texture, and time of maturity of grapefruit. Proc. Amer. Soc. Hort. Sci. 30(1933): 95-101. Je. 1934.

Lagassé, F. S.

The circumferential variability of five varieties of apple trees on seedling and scion roots. Proc. Amer. Soc. Hort. Sci. 30(1933): 377-381. Je. 1934.



Proc. Amer. Soc. Hort. Sci. (cont.)

Lilleland, O.

Growth study of the plum fruit. I. The growth and changes in chemical composition of the Climax plum. Proc. Amer. Soc. Hort. Sci. 30(1933): 203-208. Je. 1934.

Longley, L. E.

Some effects of storage of flowers in various gases at low temperatures on their keeping qualities. Proc. Amer. Soc. Hort. Sci. 30(1933): 607-609. Je. 1934.

MacDaniels, L. H., Hildebrand, E. M. & Burrell, A. B.

The effect of various bactericides on the set of fruit and the germination of the pollen of the apple. Proc. Amer. Soc. Hort. Sci. 30(1933): 26-31. Je. 1934.

McMunn, R. L.

The relationship between volume and the dimensions of the Elberta peach. Proc. Amer. Soc. Hort. Sci. 30(1933): 187-191. Je. 1934.

McMunn, R. L. & Dorsey, M. J.

A seven-years' study of the fruit bud level in Elberta. Proc. Amer. Soc. Hort. Sci. 30(1933): 176-179. Je. 1934.

Magness, J. R., Fletcher, L. A. & Aldrich, W. W.

Time during which fruit-bud formation in apples may be influenced in the Shenandoah-Cumberland fruit districts. Proc. Amer. Soc. Hort. Sci. 30(1933): 313-318. Je. 1934.

Morris, H. F.

A study of blackberry and dewberry varieties as breeding material. Proc. Amer. Soc. Hort. Sci. 30(1933): 117-121. Je. 1934.

Murneek, A. E.

Carbohydrate storage in apple trees. Proc. Amer. Soc. Hort. Sci. 30(1933): 319-321. Je. 1934.

Overholser, E. L. & Overley, F. L.

Fertilizers as related to leaf area in apple production. Proc. Amer. Soc. Hort. Sci. 30(1933): 52-54. Je. 1934.



Proc. Amer. Soc. Hort. Sci. (cont.)

Parker, M. M., Hester, J. B. & Carolus, R.L.

The effect of soil conditions on the growth and composition of certain vegetable crop plants as influenced by soil reaction. Proc. Amer. Soc. Hort. Sci. 30(1933): 452-457. Je. 1934.

Pentzer, W. T., Asbury, C. E. & Hamner, K. C.

The effect of sulphur dioxide fumigation on the respiration of Emperor grapes. Proc. Amer. Soc. Hort. Sci. 30(1933): 258-260. Je. 1934.

Pickett, W. F.

A comparative study of the intercellular spaces on apple leaves. Proc. Amer. Soc. Hort. Sci. 30(1933): 156-161. illus. Je. 1934.

Poole, C. F. & Porter, D. R.

Pollen germination and development in the watermelon. Proc. Amer. Soc. Hort. Sci. 30(1933): 526-530. illus. Je. 1934.

Pridham, A. M. S.

Application of probable error concept in floriculture. Proc. Amer. Soc. Hort. Sci. 30(1933): 594-595. Je. 1934.

Rasmussen, E. J.

A two-year study of labor and equipment used in spraying forty-two New Hampshire orchards. Proc. Amer. Soc. Hort. Sci. 30(1933): 1-3. Je. 1934.

Roberts, R. H.

Strawberry "black root" injury. Proc. Amer. Soc. Hort. Sci. 30(1933): 295-296. illus. Je. 1934.

Sax, K.

The origin of the Pomoideae. Proc. Amer. Soc. Hort. Sci. 30(1933): 147-150. Je. 1934.

Schuster, C. E.

Leaf area and shoot growth in relation to size and filling of filberts. Proc. Amer. Soc. Hort. Sci. 30(1933): 392-395. Je. 1934.

Schwartz, C. D.

The genetic constitution of certain red raspberry varieties in relation to their breeding behavior. Proc. Amer. Soc. Hort. Sci. 30(1933): 113-116. Je. 1934.



Proc. Amer. Soc. Hort. Sci. (cont.)

Scott, G. W.

Sex ratios and fruit production studies in bush pumpkins. Proc. Amer. Soc. Hort. Sci. 30 (1933): 520-525. Je. 1934.

Slate, G. L.

The best parents in purple raspberry breeding. Proc. Amer. Soc. Hort. Sci. 30(1933): 108-112. Je. 1934.

Snyder, J. C.

Primordial development of the inflorescence of the Concord grape. Proc. Amer. Soc. Hort. Sci. 30(1933): 247-252. illus. Je. 1934.

Steinbauer, C. E.

Chemical treatments for shortening the rest period in tubers of Jerusalem artichoke. Proc. Amer. Soc. Hort. Sci. 30(1933): 475-479. Je. 1934.

Stoutmeyer, V. T., Maney, T. J. & Pickett, B. S.

A rapid method of propagating raspberries and blackberries by leaf-bud cuttings. Proc. Amer. Soc. Hort. Sci. 30(1933): 278-282. illus. Je. 1934.

Sudds, R. H.

The comparative gross morphology of the raspberry. Proc. Amer. Soc. Hort. Sci. 30(1933): 261-262. Je. 1934.

Thies, W. H.

Effect of defloration on spur leaf area in the McIntosh apple. Proc. Amer. Soc. Hort. Sci. 30(1933): 309-312. Je. 1934.

Thompson, H. C. & Knott, J. E.

The effect of temperature and photoperiod on the growth of lettuce. Proc. Amer. Soc. Hort. Sci. 30(1933): 507-509. Je. 1934.

Thompson, H. C.

Temperature as a factor affecting flowering of plants. Proc. Amer. Soc. Hort. Sci. 30(1933): 440-446. Je. 1934.

Thompson, R. C.

Natural cross-pollination in lettuce. Proc. Amer. Soc. Hort. Sci. 30(1933): 545-547. Je. 1934.



Proc. Amer. Soc. Hort. Sci. (cont.)

Traub, H. P. & Auchter, E. C.

Propagation experiments with avocado, mango, and papaya. Proc. Amer. Soc. Hort. Sci. 39(1933): 382-386. Je. 1934.

Tucker, L. R.

A sweet Jonathan bud "sport". Proc. Amer. Soc. Hort. Sci. 30(1933): 154-155. Je. 1934.

Tufts, W. P. & Hansen, C. J.

Xenia and metaxenia in the Bartlett pear. Proc. Amer. Soc. Hort. Sci. 30(1933): 143-149. illus. Je. 1934.

Tukey, H. B.

Growth of the peach embryo in relation to growth of fruit and season of ripening. Proc. Amer. Soc. Hort. Sci. 30(1933): 209-218. Je. 1934.

Tukey, H. B. & Brase, K. D.

Trials with pear stocks in New York. (Preliminary report). Proc. Amer. Soc. Hort. Sci. 30(1933): 361-364. Je. 1934.

Verner, L.

Effects of nitrate fertilization on apple fruits. Proc. Amer. Soc. Hort. Sci. 30(1933): 32-36. Je. 1934.

Vincent, C. L. & Pawson, W. P.

Factors affecting potato seed piece decay. Proc. Amer. Soc. Hort. Sci. 30(1933): 491-495. Je. 1934.

Waldo, G.F.

Fruit bud formation in brambles. Proc. Amer. Soc. Hort. Sci. 30(1933): 263-267. illus. Je. 1934.

Watts, V. M.

Factors affecting the production of wrinkled tomato fruits. Proc. Amer. Soc. Hort. Sci. 30(1933): 513-517. Je. 1934.

Wentworth, S. W.

Apple pollination studies in Maryland. Proc. Amer. Soc. Hort. Sci. 30(1933): 17-21. Je. 1934.

White, R. E.

Preliminary report on breeding rust resistant snapdragons. Proc. Amer. Soc. Hort. Sci. 30(1933): 589-590. Je. 1934.



Proc. Biol. Soc. Washington, (500W272)

Blake, S. F.

A new *Erigeron* from California and Nevada.

Proc. Biol. Soc. Washington 47: 173-174. O.2, 1934.

*E. uncialis*.

English, C. S., Jr.

Notes on Northwestern flora. I. Proc.

Biol. Soc. Washington 47: 189-192. O.2, 1934.

*Claytonia nivalis*, *Lewisia rupicola*, *Talinum okanoganense*, *Gentiana saxicola*, n.spp. all proved to be of value as rock garden subjects.

Peck, M. E.

New Oregon plants. Proc. Biol. Soc. Washington 47: 185-188. O.2, 1934.

Proc. Indiana Acad. Sci. (500In2)

Deam, C. C.

Plants new or rare to Indiana. XIX. Proc. Indiana Acad. Sci. 43(1933): 48-49. Ap. 1934.

Julian, P. L.

On the progenitors of certain plant alkaloids and the mechanism of their formation in the plant structure. Proc. Indiana Acad. Sci. 43(1933): 122-125. Ap. 1934.

Potzger, J. E.

Notes on Indiana grasses, 1933. Proc. Indiana Acad. Sci. 43(1933): 50-55. Ap. 1934.

Proc. Nat. Acad. Sci. (500N21P)

Goodspeed, T. H. & Uber, F. M.

Application of the Altmann freezing-drying technique to plant cytology. Proc. Nat. Acad. Sci. 20: 495-501. illus. S.15, 1934. no.8.

Proc. Oklahoma Acad. Sci. (500OK42)

Barkley, E. A.

A preliminary survey of the vascular plants of Pottawatomie county, Oklahoma. Proc. Oklahoma Acad. Sci. 14: 44-46. 1934.

Clark, O. M.

The cacti of Oklahoma. Proc. Oklahoma Acad. Sci. 14: 34-36. 1934.



Proc. Oklahoma Acad. Sci. (cont.)

Harper, H. J., Daniel, H. A. & Murphy, H. F.

The total nitrogen, phosphorus and calcium content of common weeds and native grasses in Oklahoma. Proc. Oklahoma Acad. Sci. 14:36-44. 1934.

Todd, R. L.

Fungi at various depths in typical Cleveland county, Oklahoma soils. Proc. Oklahoma Acad. Sci. 14: 61-64. illus. (map) 1934.

Proc. Roy. Soc. Queensl. (514B775)

Martelli, U.

Two Australian Pandani. Proc. Roy. Soc. Queensl. 65(1933): 23-26. pl.i-ii. Je.6,1934.

*P. spiralis*, *P. copelandii*, *P. (Keura) brookei* (n.sp.)

White, C. T.

The genus *Pleiogynium* in Papua. Proc. Roy. Soc. Queensl. 65(1933): 27-28. pl. iii. Je.6, 1934.

*P. papuanum* n.sp.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Arnaud, G.

Le déperissement de l'orme (*Graphium ulmi*). Progr. Agr. & Vitic. 102: 260-265. illus. S.9, 1934. no.36.

Rec. Auckland Inst. & Mus. (514Au22R)

Moore, L. B. & Cranwell, L. M.

Induced dominance of *Microlaena avenacea* (Raoul) Hook. f., in a New Zealand rain-forest area. Rec. Auckland Inst. & Mus. 1: 219-238. illus., pl.51-52. Jl.18, 1934.

In "Thames sub-district of the South Auckland botanical district".

Repert. Spec. Nov. Fedde (Berlin) (450R29)

Görz, R.

Salicaceae asiaticae. III. Repert. Spec. Nov. Fedde 36: 20-38. Ag.20, 1934. no.1/6.

*S. blakii* n.spp.

Mansfeld, R.

Orchideologische mitteilungen. II. Repert. Spec. Nov. Fedde 36: 58-64. Ag.20, 1934. no.1/6.



Repert. Spec. Nov. Fedde. (cont.)

Ohwi, J.

Plantae novae Japonicae. Repert. Spec. Nov.  
Fedde 36: 39-58. Ag.20, 1934. no.1/6.

Range, P.

Die flora des Namalandes. IV. Repert. Spec.  
Nov. Fedde 36: 1-19. Ag.20, 1934. no.1/6.

Schwarz, O.

Additamentum ad florulam Lydiae. I-  
Repert. Spec. Nov. Fedde 36 (Repert. Europ. & Med.  
6,14/15): 65-96. Ag.20, 1934. no.1/6.

Rep. Iowa State Hort. Soc.

Haber, E. C.

Spinach varieties. Rep. Iowa State Hort.  
Soc. 68(1933): 224-230. 1934.

Pellett, F. C.

The honeybee and fire blight. Rep. Iowa State  
Hort. Soc. 68(1933): 33-40. 1934.

Bees spread fireblight through accidental  
contact with it.

Rep. Scott. Soc. Res. Plant-Breed. (Edinburgh) (10Sco86)

Scottish society for research in plant-breeding.

Virus disease research. Its Rep. 1933/34:  
15-17. 1934.

E. C. Barton-Wright chief.

Rev. Bot. Appl. (Paris) (26R323)

Boczkowska, M.

Maladies de nutrition des tourbières de Pologne  
et d'autres pays. Rev. Bot. Appl. 14: 781-791.  
S. 1934. no.157.

Camus, A.

Un Danthoniopsis nouveau de l'Afrique tropicale.  
Rev. Bot. Appl. 14: 780-781. S.1934. no.157.  
D. chevalieri sp.nov.

Chevalier, A.

Deux plantes parasites de la vallée du moyen  
Niger. Rev. Bot. Appl. 14: 811-813. S.1934.  
no.157.

Orobanche aegyptiaca, Cuscuta epitribulum.



Rev. Bot. Appl. (cont.)

Chevalier, A.

Monographie de l'arachide (cont.) Rev.

Bot. Appl. 14: 565-614, 615-632, 709-755. illus.

Ag., S.1934. no.156-157.

La chimie de l'arachide et de ses produits: p. 615-632, by Mlle. M. Th. Francois; Les maladies et les ennemis de l'arachide: p.709-755.

Chevalier, A.

Les rubiacées à bacteries fixatrices d'azote.

Rev. Bot. Appl. 14: 633-643. illus. Ag.1934. no.156.

Chevalier, A.

Sur deux graminées fourragères intéressantes pour les pays tempérés et les pays subtropicaux vivant depuis peu en France. R.v. Bot. Appl. 14: 663-573. illus. Ag.1934. no.156.

*Bromus polyanthus*, *Spartina townsendi*.

Chevalier, A.

Sur deux *Salicornia* du Sahara septentrional.

Rev. Bot. Appl. 14: 804-806. S.1934. no.157.

*S. deserticola*, *S. longispicata*.

Ferrier de la Bathie, H.

Des sols de Madagascar et des plantes qui en indiquent la valeur. Rev. Bot. Appl. 14: 756-779. illus. S. 1934. no.157.

Science (470Sci2)

Elliott, C. & Poos, F. W.

Overwintering of *Aplanobacter stewarti*.

Science 80: 289-290. no.2074.

Sci. Bull. Dept. Agr. N.S.W. (23N47S)

Wenholz, H.

Plant breeding in New South Wales, 7th year of progress 1932-33. Sci. Bull. Dept. Agr. N.S.W. 45. 58 p. illus. 1934.

Science News Letter (470Sci24)

Poison ivy's poison lacquer same as that in lacquer. Science News Letter 26: 201. S.29, 1934. no.703.

Investigations of Prof. G. Albert Hill of Wesleyan Univ.



Sci. Papers Inst. Phys. & Chem. Res. (513T577)

Furukawa, S.

Studies on the constituents of Ginkgo bibloba L. fruits. I-III. Sci. Papers Inst. Phys. & Chem. Res. 24: 304-313, 314-319, 320-324. S.1934. no.513/523.

Sitzungsb. Preuss. Akad. Wiss. (Berlin) (509B452S)

Haberlandt, G.

Blatterepidermis und palisadengewebe der Crataegomespili und ihrer eltern. Sitzungsb. Preuss. Akad. Wiss. 1934: 178-190. illus. no.12.

Haberlandt, G.

Zur physiologie und pathologie der spaltöffnungen. II. Die spaltöffnungen von artbastarden. Sitzungsb. Preuss. Akad. Wiss. 1934: 115-151. illus. no.25.

So. African Gard. (Johannesburg) (80So87)

Johnston, J. H.

The cultivation of South African plants. I. So. African Gard. 24: 216-217. S.1934. no.9.

Plants new or noteworthy. South African plants cultivated in the National botanic gardens, Kirstenbosch, and in our readers' gardens. (cont.) So. African Gard. 24: 221. illus. S.1934. no.9.

Argyroderma ovale.

Sovetsk. Botanika (450So8)

Artsikhovskii, V. M.

Listoraspolozhenie, riad Fibonachchi i sosudistovoloknistye puchki (Arrangement des feuilles, la série Fibonacci et les faisceaux fibro-vasculaires). Sovetsk. Botanika 1934(2): 78-82. illus.

Russian.

Artsikhovskii, V. M.

Pribory dlia iskusstvennogo vozdeistviia na tsvetushchie chasti rastenii vysokoi i nizkoi temperaturi i gazoobraznymi veshchestvami (Nouvel appareil pour agir sur les parties florifères des végétaux par moyen de hautes et de basses températures et de matières gazeuses). Sovetsk. Botanika 1934(2): 112-114. illus.

Russian.

Artsikhovskii, V. M. & Osipov, A. P.

Saksaul, opredelenie ego vozrasti i ego fiziologicheskie osobennosti (Saxaoul (Ammodendron hyloxylon) détermination de son age et ses particularités physiologiques). Sovetsk. Botanika 1934(2): 28-53. illus.

Russian.



Sovetsk. Votanika (cont.)

Bogdanov, V. M.

K voprosu o rasteniiakh-indikatorakh stepnoi polosy serv. Kavkaza (Sur la question des plantes indicateur dans la zone du Caucase). Sovetsk. Botanika 1934(2): 82-96.

Russian.

Danilov, A. N.

K voprosu o rodi pigmentov v prisposoblenii rastenii k svetu i teplu (Sur le rôle des pigments dans l'adaptation des plantes à la lumière et la chaleur). Sovetsk. Botanika 1934(2): 3-12.

Russian.

Jarmolenko, Al.V.

Znachenie iskopaemykh drevesin dlia stratigrafii osadochnykh porod (Importance des bois fossils pour la stratigraphie des roches sédimentaires). Sovetsk. Botanika 1934(2): 62-69.

Russian.

Rabotnov, T.

Nostic commune L. v napochvennom pokrove solontsevatykh pochv Iakutii (Nostoc commune L. dans la couverture des sol salants de la Jakoutie). Sovetsk. Botanika 1934(2): 107-108.

Russian.

Smirnov, L. A.

Metod polevogo opredeleniia chislennykh sootnoshemii elementov kompleksov rastitel'nogo pokrova (Méthode pour déterminer dans le champs les relations numériques du complexe des éléments formants le tapis vegetal). Sovetsk. Botanika 1934(2): 102-107. illus.

Russian.

Tijdschr. Plantenz. (464.8T44)

Oort, A. J. P.

Een nieuwe methode ter bestrijding van tarwestuifbrand (Ustilago tritici). Tijdschr. Plantenz. 40: 185-197. S.1934. no.9.

English summary: p.196-197.

Trans. Illinois Acad. Sci. (500I16)

Alexopoulos, C. J. & Drummond, J.

Resistance of fungous spores to low temperatures. Trans. Illinois Acad. Sci. 26: 63. Mr. 1934. no.3.



Trans. Illinois Acad. Sci. (cont.)

Grant, C. L.

Flower variation in Zinnia. Trans. Illinois Acad. Sci. 26: 65. Mr.1934. no.3.

Harris, H. A.

Late winter injury of some common trees and shrubs. Trans. Illinois Acad. Sci. 26: 67. Mr.1934. no.3.

Abstract.

Noé, A. C.

Our present knowledge of American coal ball plants. Trans. Illinois Acad. Sci. 26: 103. Mr.1934. no.3.

Turner, L. M.

Grassland in the floodplain of Illinois rivers. Trans. Illinois Acad. Sci. 26: 71-72. Mr.1934. no.3.

Trab. Mis. Ciènc. Nat. Barcelona

Maire, R.

Fungi catalaunici. Contributions à l'étude de flore mycologique de la Catalogne. Trab. Mus. Ciènc. Nat. Barcelona v.15, no.2 (Ser.Bot.) 120 p. illus., col.pl., 3 maps. Jl.10,1933.

Avec la collaboration de Dr. J. Codina et Dr. P. Font-Quer.

Trop. Agriculture West Indies (Trinidad) (26T754)

Myers, J. G.

Observations on wild cacao and wild bananas in British Guiana. Trop. Agriculture West Indies 11: 263-267. O. 1934. no.10.

Patterson, A. W. & Reed, R. L.

Variation in the size of Trinidad cacao beans and methods of its assessment. Trop. Agriculture West Indies 11: 252-261. O. 1934. no.10.



Umschau (Frankfurt) (474Um7)

Heinricher, E.

Was alles aus der nachkommenschaft einer pflanze  
entstehen kann. Die Umschau 38: 752-753.

illus. S.16, 1934. no.38.

Primula.

U.S.Dept.Agr.Techn.Bull. (1Ag84Te)

Sudworth, G. B.

Poplars, principal tree willows and walnuts of  
the Rocky Mountain region. U.S.Dept.Agr.Techn.  
Bull. 420. 111 p. illus. (incl. maps) Ag.1934.

Review and some revision of this posthumous man-  
uscript has been made by Perkins Coville. Keys prepared  
by W. A. Dayton.

Věda přírodní. (Prague) (410V51)

Hrabý, K.

Barvení chromosomu acetokarminovou metodou.

Věda přírodní 15: 155-156. illus. 1934. no.5.

U.S. Dept. Agr. Miscellaneous mimeographed publications.

Sprague, R.

Cercosporella foot rot of winter grains in  
the Pacific northwest. Washington, D.C., Ag.17,  
1934.

Mimeographed publication from Div. of cereal  
crops and diseases, Bur. of plant industry, U.S.  
Dept. of agriculture.

Univ. Calif. Publ. Bot. (Berkeley) (500C125B)

Ball, C. R.

New or little known west American willows.

Univ. Calif. Publ. Bot. 17: 399-417. pl.67-74.

S.7, 1934. no.14.

Salix parksiana, S. tracyi, S. setchelliana n.spp.

Goodspeed, T. H.

Nicotiana phylesis in the light of chromosome  
number, morphology and behavior. Univ. Calif.

Publ. Bot. 17: 369-398. illus. Ag.31, 1934. no.13.

Verh. Naturf. Ver. Brünn (510B83)

Cernik, L. F.

Frankheiten und teratologische missbildungen

an pflanzen der Olmützer flora. VI. Verh. Naturf.

Ver. Brünn 65: 81-103. illus. 1933.



Verh. Naturf. Ver. Brünn (cont.)

Fietz, A.

Præ- und frühhistorische pflanzenreste aus  
Mähren. I- Verh. Naturf. Ver. Brünn 65: 104-  
108. illus. 1933.

Richter, O.

Durch strahlende energie in pflanzen hervorge-  
refane beschriftungen. Verh. Naturf. Ver. Brünn.  
65: 68-80. illus. 1933.

Teuber, F. & Hruby, J.

Botanische studien in Mähren-Schlesien.  
Verh. Naturf. Ver. Brünn 65: 109-138. 1933.

Zeitschr. Bot. (Jena) (450Z32)

Schmitz, H.

Die periodischen bewegungen der blätter von  
Coleus penzigii. Zeitschr. Bot. 27: 353-411.  
1934. no.7/8.

Zprávy Výzkumn. Ústavů Zeměd. CSR.(Bull. Inst. Rech. Agron.  
Rep. Tchécosl.) (Prage) (19.5C99Z)

Kavka, B.

Cyclamen. (Bramboriky...) (La description des  
espèces, des variétés et de la culture). Zprávy  
Výzkumn. Ústavů Zeměd. CSR.(Bull. Inst. Rech.  
Agron. Rép. Tchécosl.) 61. 45 p. illus., col.front.  
1934.

French summary.

Exp. Stat. Publ.

Hetzger, C. H.

Growing potatoes in Colorado. Colorado Agr  
Exp. Stat. Bull. 412. 102 p. illus. Jl.1934(100C71S)

Clara, F. M.

A comparative study of the green-fluorescent  
bacterial plant pathogens. Cornell Agr. Exp. Stat.  
Mem. 159. 36 p. v pl. Ap. 1934 (100N48C)

Graf-Marin, A.

Studies on powdery mildew of cereals. Cornell  
Agr. Exp. Stat. Mem. 157. 48 p. illus. Ap.1934 (100N48C)

Townsend, G. R.

Bottom rot of lettuce. Cornell Agr. Exp. Stat.  
Mem. 158. 46 p. illus. Ap.1934 (100N48C)

Starring, C. C.

The premature seeding of celery. A second report  
Montana Agr. Exp. Stat. Bull. 292. 14 p. illus.  
Je.1934 (100M76)



Exp. Stat. Publ. (cont.)

McLean, H. C.

The results of spray residue studies on vegetables in 1932. Ann. Rep. New Jersey Agr. Exp. Stat. 53/54(1931/33, 1st Bienn. Rep.): 87-91. [1934?] (100N46S)

Martin, W. H.

Plant pathology. Ann. Rep. New Jersey Agr. Exp. Stat. 53/54(1931/33, 1st Bienn. Rep.): 57-66. [1934?] (100N46S)

New Jersey agricultural experiment station - Dept. of plant pathology.

The elm situation this fall. Its Nursery Dis. Notes 7: 10-13. S. 1934 (464.9N46)

Shive, J. W.

Plant physiology. Ann. Rep. New Jersey Agr. Exp. Stat. 53/54(1931/33, 1st Bienn. Rep.): 66-68. [1934?] (100N46S)

Zeller, S. M.

Slime-flux of ornamental hard-wood trees. Oregon Agr. Exp. Stat. Circ. Inf. 101. 2 p. Ag. 1934 (1000r3C)

New Books.

Ansaloni, A.

La moria degli olmi e la diffusione in Italia dell'olmo siberiana (*Ulmus pumila* L.) Bologna, Edizioni Selva, 1934 (464.07An8)

Blumer, S.

Die Erysiphaceen Mitteleuropas mit besonderer Berücksichtigung der Schweiz. Zürich, Gebr. Fertz, 1933 (Beiträge zur kryptogamenflora der Schweiz. bd. VII, h.1) (462.12B62)

Colla, S.

Laboulbeniales. In Flora italica cryptogama pars I, Fungi. fasc.16. 157 p. illus. Je.30, 1934. (462S01)

Donk, H. A.

Revision der Niederländische Homobasidiomycetae-Alphyllophoraceae. II. Amsterdam-Haarlem, E. Stam, 1933 (Mededeelingen van het Botanische museum en herbarium van de Rijks universiteit te Utrecht no.9) (462.12D71)



New Books. (cont.)

Frye, E. C.

Ferns of the northwest, covering Washington, Oregon, Idaho, British Columbia, Montana, Wyoming, central and northern California. Portland, Oregon, Metropolitan press, 1934. (461.2F94)

Henderson, K. B.

Plant ecology of a bog in the Virginia piedmont  
Separate from Bull. Randolph-Macon Woman's Coll.  
Lynchburg, Va. 20: 5-14. 1933(455.39H38)

Bog about two miles from Lynchburg in valley  
between Candler Mts.

Jaczewski, A. A.

Osnovy mikologii (Éléments de la mycologie.  
Oeuvre posthume rédigée par M. Naoumoff (Naumov)  
Moskva, Leningrad, Gosudarstvennoe izdatel'stvo  
kolkhoznói i sokhoznói literary, 1933. (462IalE)  
Russian.

Pubner, K.

Die pflanzengeographisch-ökologischen grund-  
lagen des waldbaus. 3. vollig ungerab. aufl.  
Neudamm, J. Neumann, 1934. (463.83R82)

Stanford, E. E.

Economic plants. N.Y., Appleton, 1934.  
(Century biological series) (452.8St2)

Tapley, W. T., Enzie, W. D. & Van Eseltine, G. P.

Sweet corn. The vegetables of New York.  
Albany, 1934. v.1, pt.3. 111 p. col.plates.  
(plH35)

Thiemann, K.

Das plankton der flussmündungen. Berlin & Leip-  
zig, W. de Gruyter & Co., 1934 (409T34)

Diss.-Hamburg.

Sonderdruck aus: Wissenschaftliche ergebnisse der  
deutschen atlantischen expedition auf dem forschungs-  
und vermessungsschiff "Meteor" 1925-1927, bd. XII.



# BOTANY

## CURRENT LITERATURE

LIBRARY  
RECEIVED

★ OCT 25 1934 ★  
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 21.

Oct. 8-20, 1934.

- Agr. Gaz. N.S.W. (Sydney) (23N472)  
Seddon, H. R.  
Poisonous plants. I. Agr. Gaz. N.S.W. 45: 503-506. illus. S.1, 1934. no.9.  
To stock.
- Alpe Riv. For. Ital. (Piacenza) (99.8A17)  
Pavari, A.  
Le conifere esotiche nella selvicoltura Italiana. Alpe Riv. For. Ital. 21: 273-279. illus. Ag./S. 1934. no.8/9.  
With contributions by various authors.
- Amer. Orchid Soc. Bull. (80Am329)  
Lager, J. E.  
Rare and beautiful species of orchids. *Cattleya warscewiczii* (gigas) var. *imperialis*. Amer. Orchid Soc. Bull. 3: 21-22. illus. S. 1934. no.2.
- Morey, G. W. & Schairer, J. F.  
Forcing of the native *Cypripedium reginae*. Amer. Orchid Soc. Bull. 3: 27. illus. S.1934. no.2.
- Wherry, E. T.  
Native orchids. Our eastern orchids and their cultivation. 7. The spiral orchids. Amer. Orchid Soc. Bull. 3: 25-26. S.1934. no.2.
- Ann. Crypt. Exot. (Paris) (450An74)  
Lefèvre, M.  
Contribution à la connaissance des flagellés d'Indochine. Ann. Crypt. Exot. 6: 258-264. illus. D. 1933. no.3/4.
- Lefèvre, M.  
Les peridinites des Barbades. Ann. Crypt. Exot. 6: 215-229. illus. D. 1933. no.3/4.
- Leon, Frère  
Catalogue des mousses de Cuba. Ann. Crypt. Exot. 6: 165-214. D. 1933. no.3/4.



Ann. Crypt. Exot. (cont.)

Maheu, J. & Werner, R. G.

Etude sur la flore cryptogamique du Maroc. I.  
Lichens. Ann. Crypt. Exot. 6: 236-257. D.1933.  
no.3/4.

Petch, T.

Entomogenous fungi from Madagascar. Ann.  
Crypt. Exot. 6: 230-235. D. 1933. no.3/4.

Cordyceps cinnabarina, Spicaria rectangularis  
n.spp.

Ann. R. Accad. Agr. Torino (16T63)

Cappelletti, C.

Il problema immunitario nei vegetali in  
rapporto con l'agricoltura. Ann. R. Accad. Agr.  
Torino 76(1933): 91-111. 1934.

Mattirolo, O.

Rapporti simbiotici sviluppatisi tra il  
tartufo bianchetto (*Tuber borchii* Vittadini) en  
i pioppi americani detti canadesi. Ann. R. Accad.  
Agr. Torino 76(1933): 3-10. 1934.

Ann. Rep. Canad. Plant. Dis. Surv. (464.9C16S)

Bisby, G. R., Buller, A.H.R. & Dearness, J.

Additions to the fungous flora of Manitoba. II.  
Ann. Rep. Canad. Plant. Dis. Surv. 13(1933): 93-102  
1934.

Ann. Rep. Dept. Agr. Nyasaland. (24N98A)

Leach, R.

Report of mycologist. Ann. Rep. Dept. Agr.  
Nyasaland 1933: 54-55. 1934.

Ann. Rep. Dept. Agr. Tanganyika Terr. (24T15)

Wallace, G. B.

Report of the mycologist, 1933. Ann. Rept. Dept.  
Agr. Tanganyika Terr. 1933: 76-78. 1934.

Atti Ist. Bot..... Univ. Pavia See p. 28

Bol. Mens. Min. Agr. Argentine (9B633)

Marchionatto, J.B. & Vallega, J.

Ensayos a campo del hongo verde (*Sporotrichum*  
*paranense* March.) de la langosta voladora. Bol.  
Mens. Min. Agr. Argentine 35: 69-77. illus.  
O./D. 1933. no.1/3.

Nieves, R., Barraza, J.A. & Horovitz, N.

Estudios sobre la distribucion y prevalencia  
relativa de la *Tilletia tritici* y *Tilletia levis*, en  
el sudeste de la Pampa, en 1932. Bol. Mens. Min.  
Agr. Argentine 35: 79-101. O./D. 1933. No.1/3.



Bot. Gaz. (Chicago) (450B652)

Arnold, C. A.

*Callixylon whiteannum* sp.nov., from the Woodford chert of Oklahoma. Bot. Gaz. 96: 180-185. illus. S. 1934. no.1.

Edwards, T.I., Pearl, R. & Gould, A.

Influence of temperature and nutrition on the growth and duration of life of *Cucumis melo* seedlings. Bot. Gaz. 96: 118-135. illus. S.1934. no.1.

Harper, H. J. & Daniel, H. A.

Chemical composition of certain aquatic plants. Bot. Gaz. 96: 186-189. S. 1934. no.1.

Kienholz, R.

Leader, needle, cambial, and root growth of certain conifers and their interrelations. Bot. Gaz. 96: 73-92. S.1934. no.1.

Langdon, L. M.

Embryogeny of *Carya* and *Juglans*, a comparative study. Bot. Gaz. 96: 93-117. illus., pl.i. S. 1934. no.1.

O'Hanlon, M. E., sister.

Comparative morphology of *Dumortiera hirsuta*. Bot. Gaz. 96: 154-164. illus. S.1934. no.1.

Ramalay, F.

Influence of supplemental light on blooming. Bot. Gaz. 96: 165-174. illus. S.1934. no.1.

Sherff, E. E.

Some new or otherwise noteworthy members of the families Labiatae and Compositae. Bot. Gaz. 96: 136-153. S. 1934. no.1.

Shull, C. A.

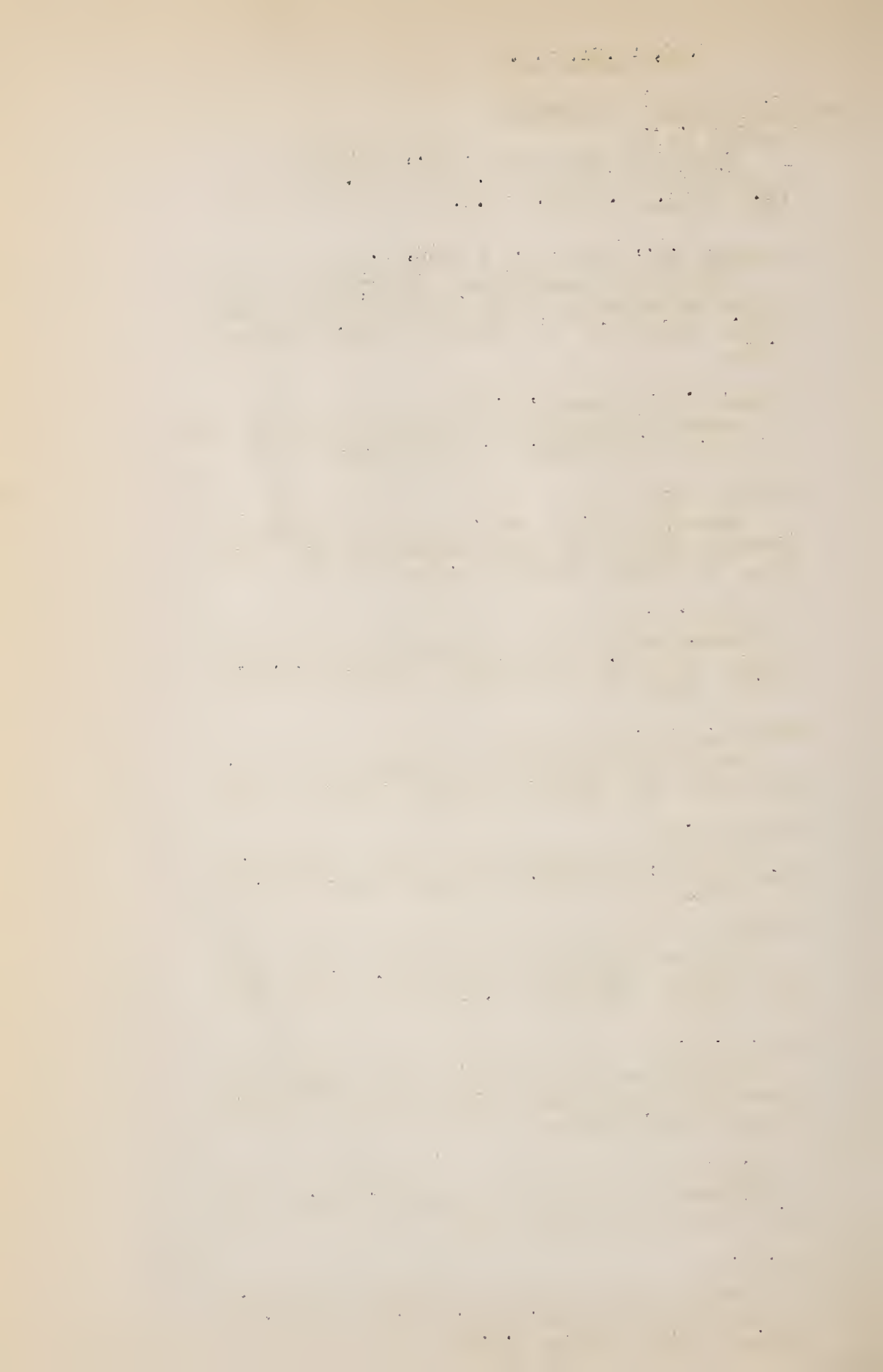
Persistence of subspecific types of *Xanthium* under field conditions. Bot. Gaz. 96: 175-179. illus. S.1934. no.1.

Veatch, C.

Chromosomes of the soy bean. Bot. Gaz. 96: 189. illus. S. 1934. no.1.

Voss, J.

Postglacial migration of forests in Illinois, Wisconsin, and Minnesota. Bot. Gaz. 96: 3-43. illus. (map) S.1934. no.1.



Bot. Gaz. (cont.)

Warning, W. C.

Anatomy of the vegetative organs of the  
parsnip. Bot. Gaz. 96: 44-72. illus. S.  
1934. no.1.

Bot. Mus. Leaflet. Harvard Univ. (451H262)

Ames, O.

A contribution to our knowledge of the orchids  
of Spanish Honduras. II. Bot. Mus. Leaflet. Harvard  
Univ. 3: 17-36. incl. 3 pl. O.10,1934. no.2.

Bot. Not. (Lund, Sweden) (450B656)

Gustafsson, A.

Entwicklungswege der parthenogenetischen  
embryosackmutterzelle. Bot. Not. 1934: 333-338.  
1934. no.4.

Hasslow, O. J.

Nagra characeer från Amerika. Bot. Not. 1934:  
346-348. 1934. no.4.

Hjelmqvist, H.

Die pyramidale orientbuche. Bot. Not. 1934: 310-  
332. illus. 1934. no.4.

Rosen, G. v.

Floristiska och växtgeografiska anteckningar  
från Romanös-halvön i säby s:n, Jönköpings Län.  
Bot. Not. 1934: 281-309. illus. 1934. no.4.

Sylvén, N.

Nya svenska fyndlokaler för *Dactylis aschersoniana*  
Graebn. och dess hybrid med *D. glomerata* L. Bot.  
Not. 1934: 339-343, illus. (map) 1934.

Bot. Zhurn. SSSR (451R923)

Aksentiev, B. N.

O stimulituiushchem deistvii azotnokislogo kaliia  
na semena pshenitsy i o prichinakh etogo deistviia  
(Ueber die stimulierende Wirkung von salpeter auf  
weizensamen und über die Ursachen derselben). Bot.  
Zhurn. SSSR 18: 107-126. no.3.

Russian with German summary.



Bot. Zhurn. SSSR (cont.)

Bogdanovskaja-Guenev, Y. D.

O rasprostranenií nekotorykh vidov sfagnov na Polistovskikh bolotakh (Ueber die verbreitung einiger Sphagnaarten auf dem Polistovo-Lovatischen hochmoor). Bot. Zhurn. SSSR 18: 60-65. 1933. no.1/2.

Russian with German summary.

Iljin, M. M.

Novyi vid roda *Salsola* L. kak Predpolagaemyi mezhdurodovoi hibrid (Eine neue art der gattung *Salsola* L., ein vermutlicher gattungsbastard). Bot. Zhurn. SSSR 18: 274-277. 1933. no.4.

Russian with Latin diagnoses of the seven new species (*S. forcipitata*, *S. excellens*, *S. komarovi*, *S. maracandica*, *S. transhyrcanica*, *S. roshevitzii*, *S. deserticola*).

Ivanov, L. A.

Kak izmeniaetsia stroenie drevesiny pri ee mekhanicheskom razrushenii (Wie sich die struktur des holzes bei mechanischer einwirkung ändert). Bot. Zhurn. SSSR 18: 38-51. illus. 1933. no.1/2.

Russian with German summary.

Komarov, V. I.

O vечно-zelenom mongol'skom kustarnike *Piptanthus monogolicus* Max. (Ueber die immergrüne ...). Bot. Zhurn. SSSR 18: 55-59. illus. 1933. no.1/2.

Russian with Latin diagnosis.

Konovalov, N. A.

K voprosu o geobotanicheskom izuchemii lesov (Zur frage über die geobotanische erforschung der wälder). Bot. Zhurn. SSSR 18: 307-311. 1933. no.4.

Russian.

Kotov, M.

Botanicheskaia ekskursiia v raion massovogo proizrastaniia *Azalea pontica* L. v. Ukrainskoe zandrovoe Poles'e (Botanical excursion to the western Ukrainian Polessia, in the region characterised by *Azalea pontica* L.) Bot. Zhurn. SSSR 18: 211-214. illus. (map) 1933. no.3.

Russian with English summary.

Kotov, M.

Geobotanicheskií ocherk poluostrova Tiubek i Sivash (Geobotanical survey of the Tubek peninsula in the Sivash). Bot. Zhurn. SSSR 18:95-98. 1933. no.1/2.

Russian with English summary.



V.16, no.21, p.6.

Bot. Zhurn. SSSR (cont.)

Litvinov, L. S. & Gudlet, M. A.

O metodakh opredeleniia vodouderzhivaiushchei i vsasyvaiushchei sil pochvy (Method for determining the water-holding and suction forces of soils under field conditions). Bot Zhurn. SSSR 18: 262-273. 1933. no.4.

Russian with English summary.

L'vov, S. D. & Artsikhovskaja, E. V.

Vliianie yglevodnogo gododaniia na sodержanie efirnykh masel u maiorana (*Origanum majorana*) i malfeia muskatnogo (*Salvia sclarea*) (Der einfluss von kohlenhydrathunger auf das gehalt ätherischer oele im *Origanum majorana* *Salvia sclarea*). Bot. Zhurn. SSSR 18: 219-239. 1933. no.4.

Russian with German summary.

Miller, M. S.

K voprosu usvoeniia nitratov, nitritov i ammiaka vysshimi rasteniiami (On the question of the absorption of nitrate nitrite and ammonia by the higher plants). Bot. Zhurn. SSSR 18: 240-261. 1933. no.4.

Russian with English summary.

Pobedimova, E. G.

Guttatsiia u zimiushchikh pochek *Cerastium dahuricum* Fisch. (Guttation in hibernating buds of *Cerastium dahuricum* Fisch.) Bot. Zhurn. SSSR 18: 52-54. illus. 1933. no.1/2.

Russian with English summary.

Potapenko, G. I.

Pamiati G.I. Tanfil'eva. Bot. Zhurn. SSSR 18: 3-8. port. 1933. no.1/2. Russian.

Rodin, L. E.

Tipy stepei Nazhnego Zavolzh'ia (Die steppentypen des unteren Transvolgagebietes). Bot. Zhurn. SSSR 18: 299-306. 1933. no.4.

Russian with German summary.

Sereiskii, A.

Fiziologo-morfologicheskie i ekologicheskie nabliudeniia nad prorastaiushchimi semenami soi (Physiologisch-morphologische und oekologische beobachtungen an keimenden samen der soja). Bot. Zhurn. SSSR 18: 9-37. Illus. 1933. no.1/2.

Russian with German summary.



Bot. Zhurn. SSSR (cont.)

Shchepkina, T. V.

Issledovanie nektinovykh veshchestv kak koloidov u rastenii. Znachenie kolloidnykh veshchestv pri zasukhe i pri nekotorykh fiziologicheskikh protsessakh voobshche (Untersuchung der pektinstoffe in pflanzen und deren einfluss bei dürre und anderen physiologischen prozessen im allgemeinen). Bot. Zhurn. SSSR 18: 137-161. illus. 1933. no.3.

Russian with German summary.

Shishkin, I. K.

K poznaniiu ol'ginskoï listvennitsy (Larix olgensis A. Henry). (Zur kenntnis der olga-lärche) Bot. Zhurn. SSSR 18: 162-210 illus. (Map). 1933. no.3.

Sidorin, M. I.

Vytsventanie khlorofilla na priamom solnechoom svetu v ubitykh rastitel'nykh tkaniakh (Die entfärbung des chlorophylls an direktem sonnenlichte im abgetöteten pflanzlichen gewebe). Bot. Zhurn. SSSR 18: 127-136. illus. 1933. no.3.

Russian with German summary.

Sochava, V. B.

K istorii flory iuzhnoï chasti aziatskoï Beringii (Zur geschichte der flora des südlichen teiles von Asiatisch-Beringien). Bot. Zhurn. SSSR 18: 278-286. 1933. no.4.

Russian with German summary.

Stankov, S. S.

Osnovnye cherty v raspredelenii rastitel'nosti iuzhnogo Kryma (Savastopol-Feodosiia) (Principal features of vegetation distribution in the southern Crimea (Sebastopol - Theodosia) Bot. Zhurn. SSSR 18: 66-94. 1933. no.1/2.

Russian with English summary.

Tanfiliev, V. G.

K metodike ucheta massy travy. Koefitsienty nozhnitsysnokosilka (Zur methodik der bestimmung der grasmasse. (Zur methodik der bestimmung der grasmasse. Koeffiziente "schere-grasmäher). Bot. Zhurn. SSSR 18: 99-102. 1933. no.1/2.

Russian with German summary.

Zakharov, L. Z.

Splaviny Kubanskikh plaven (Die "Splaviny" der bänke des Kuban-flusses). Bot. Zhurn. SSSR 18: 287-298. illus. (map) 1933. no.4.

Russian with German summary.



Bryologist (Pittsburgh) (450B84)

Addison, M.

*Aulacomnium papillosum*. Bryologist 37: 76.  
Jl./Ag. 1934. no.4.

Synonym of *A. palustre*.

Ammons, N.

Preliminary list of West Virginia mosses.  
Bryologist 37: 65-74. Jl./Ag. 1934. no.4.

Steere, W. C.

The occurrence of *Erpodium domingense* in the  
United States, with notes on its distribution.  
Bryologist 37: 74-75. Jl./Ag. 1934. no.4.  
Cameron County, Texas.

Bull. Counc. Sci. & Ind. Res. Austr. (Melbourne) (514Au72B)

Cashmore, A. B.

A comparative study of *Lolium perenne* and  
*Phalaris tuberosa* at varying stages of growth.  
Bull. Counc. Sci. & Ind. Res. Austr. 81. 28 p.  
iv pl. 1934.

Bull. Sci. Pharm. (Paris) (396.8B872)

Lalanne, P. & Mathou, T.

Une aristoloche médicinale de la Guadeloupe.  
Bull. Sci. Pharm. 41: 460-467. Ag./S.1934. no.8/9.  
*A. eurystoma*.

Maheu, J. & Chartier, J.

Pharmacographie des digitales. II. Bull. Sci.  
Pharm. 41: 280-291, 347-356. illus. My., Je.  
1934. no.5,6.

Bull. Torr. Club (451T63B)

Craig, T.

A revision of the subgenus *Hugelina* of the  
genus *Gilia* (Polemoniaceae). Bull. Torr. Club  
61: 385-396, pl.23. O. 1934. no.7.

Johansen, D. A.

Haploid chromosomes of *Riccia glauca*. Bull.  
Torr. Club 61: 381-383. illus. O. 1934. no.7

Johnson, M. A.

The origin of the foliar pseudo-bulbils in  
*Kalanchoë daigremontiana*. Bull. Torr. Club  
61: 355-366. illus., pl.22. O.1934. no.7.



Bull. Torr. Club. (cont.)

Merl, E. M.

A new Brazilian species of the genus *Utricularia*.  
Bull. Torr. Club 61: 367-371. illus. O.1934. no.7

Pady, S. M.

Meiosis in *Milesia marginalis*. Bull. Torr.  
Club 61: 345-354. illus., pl.21. O. 1934. no.7.

Shreve, F.

Vegetation of the northwestern coast of Mexico.  
Bull. Torr. Club 61: 373-380. illus. O.1934. no.7.

Cactus (Mont St. Amand, Belg.) (450C112)

Lonjarret, H.

Description et classification. (cont.) Cactus  
(Mont St. Amand, Belg.) 4: 65-66. O.1934. no.5.

Lonjarret, H.

La nouvelle classification des *Echinopsis*.  
Cactus (Mont St. Amand, Belg.) 4: 69-73. illus.  
O.1934. no.5.

Chinese Journ. Physiol. (Pieping) (447.8044)

Chen, J. S.

Determination of total lipid in plant and  
animal tissues. Chinese Journ. Physiol. 8: 195-  
202. Ag.15, 1934. no.3.

Compt. Rend. Acad. Sci. Paris (505P21)

Jhillet, A. & Zitti, R.

*Molinia caerulea* Moench, graminée toxique, à  
acide cyanhydrique. Compt. Rend. Acad. Sci.  
Paris 199: 617-618. S.24, 1934. no.13.

Lami, R.

Sur l'alcalinisation spécifique et la réparti-  
tion des algues dans les cuvettes littorales.  
Compt. Rend. Acad. Sci. Paris 199: 615-617. S.24,  
1934. no.13.

Compt. Rend. Labor. Carlsberg (390.9C19)

Hartelius, V.

The growth of yeast in synthetic media and the  
factors produced by yeast which limit this growth.  
Compt. Rend. Labor. Carlsberg v.20, no.7. 44 p.  
1934.



- Empire Cotton Grow. Rev. (London) (72.8Em7)  
Bailey, M. A.  
Leaf curl disease of cotton in the Sudan.  
Empire Cotton Grow. Rev. 11: 280-288. O.1934.  
no.4.
- Flor. Exch. (N.Y.) (80F666)  
Plants hardy in northeastern New York. Flor.  
Exch. 83(14): 15. O.6, 1934.
- Flor. Rev. (Chicago) (80W41)  
Plants for the hardy garden. Flor. Rev.  
74(1923): 22; (1924): 22. O.4,11, 1934.  
Uncommon tulip species. *Achillea sericea*;  
*Sedum pruinatum*, *Limonium speciosum*.
- For. Bull. For. Res. Inst. India (99.9In22B)  
Chowdhury, K. A.  
The indentification of the commercial timbers  
of the Punjab. For. Bull. For. Res. Inst. India  
no.84. 70 p. xxviii pl. 1934.
- Gard. Illus. (London) (80G169)  
Arnold, R. E.  
The *Watsonias* of South Africa. Gard. Illus.  
56: 579. illus. S.29, 1934. no.2899.
- Gartenbauwiss. (Berlin) (80G195)  
Hilkenbäumer, F.  
Ein neuer apparat zur erlangung einer keim-  
zählerhöhung und keimbeschleunigung bei hartschalig-  
en leguminosen. Gartenbauwiss. 9: 92-94. illus.  
S.20, 1934. no.1.
- Kostoff, D. & Kendall, J.  
Studies on polyploid plants. III. Cytogenetics  
of tetraploid tomatoes. Gartenbauwiss. 9: 20-44.  
illus. S.20, 1934. no.1.
- Nebel, B. R. & Kertesz, Z. I.  
Metaxenia and Xenia in apples. Iv. Gartenbauwiss.  
9: 45-64. S.20, 1934.
- Rave, L.  
Beitrag zur blattbasis beim tabak. Garten-  
bauwiss. 9: 1-19. illus. S.20, 1934. no.1.
- Rudloff, C. F.  
*Venturia inaequalis* (Cooke) Aderhold. I. Der ein-  
fluss des nährbodens auf den pilz und die erhaltung  
seiner pathogenität. Gartenbauwiss. 9: 65-91.  
illus. S.20, 1934. no.1



Hadar (Jaffa) (80H11)

Reichert, I. & Perlberger, J.

Xyloporosis - the new citrus disease. (concl.)

Hadar 7: 193-202. Ag.1934. no.8.

Physiological.

Intern. Bull. Plant Prot. (464.8In8)

McRae, W.

India: New diseases reported during the year

1933. Intern. Bull. Plant Prot. 8: 199-202.

S. 1934. no.9.

Müller, A. S.

Brazil: Preliminary list of diseases of plants  
in the state of Minas Geraes. Intern. Bull. Plant

Prot. 8: 193-198. S. 1934. no.9.

Irish Nat. Journ. (410In42)

Praeger, R. L.

*Caltha radicans* in Ireland. Irish Nat. Journ.

5: 98-102. illus. S. 1934. no.5.

Praeger, R. L.

Fifteen miles of *Elatine hydropiper*. Irish Nat.

Journ. 5: 102-104. S. 1934. no.5.

Newry Canal below Goraghwood station.

Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Beatus, R.

Die selbststerilität von *Cardamine pratensis*.

Jahrb. Wiss. Bot. 80: 457-503. S. 1934. no.3.

Daxer, H.

Ueber die assimilationsökologie der waldboden-

flora. Jahrb. Wiss. Bot. 80: 363-420. S.1934. no.3.

Freisleben, R.

Zur frage der mykotrophie in der gattung *Vaccinium*

L. Jahrb. Wiss. Bot. 80: 421-456. illus. S. 1934.

no.3.

Michaelis, P.

Oekologische studien an der alpinen baumgrenze.

V. Osmotischer wert und wassergehalt während des  
winters in den verschiedenen höhenlagen. Jahr.

Wiss. Bot. 80: 337-362. illus. S.1934. no.3.



Journ. Dept. Agr. So. Australia (Adelaide) (23So84)  
Hutton, E. M.

The important pasture plants of South Australia considered as to their identification and characteristics. B. The clovers and clover-like plants.

Journ. Dept. Agr. So. Australia 38: 54-60. illus.  
Ag. 1934. no.1.

Journ. For. (Washington, D.C.) (99.8F768)  
Kramer, P. J.

Methods of breaking dormancy in certain forest trees. Journ. For. 32: 734-741. 0.1934. no.7.

Kosmos (Stuttgart) (474K842)  
Karsten, A.

Vorteilhafte einwirkung von neonlicht auf pflanzen. Kosmos 31: 355-356. illus. 0.1934. no.10.

Landw.Jahrb. (Berlin) (18L23)  
Steiner, H.

Ueber den einfluss der saatzeit auf den herbstlichen befall der winterungen mit braunrost (Puccinia triticina Erikss. und Puccinia dispersa Erikss.) Landw. Jahrb. 80: 401-415. illus. 1934. no.3.

Meld. Norges Landbruks. (Oslo) (104N762M)  
Thorsrud, A. & Ødelien, M.

Forsøk med seksualhormoner. (Experiments with sexualhormons). Meld. Norges Landbruks. 14: 376-382. illus. 1934. no.4.

Experiments with hyacinth. English summary: p.381-382.

Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)  
Fric, A. V.

Kakteen-benennung. IV. Möller's Deut. Gärtn. Zeit. 49: 311-312. S.21, 1934. no.26

Fric, A. V.

Zur hormon-frage. Der menschliche harn als pflanzen-wachstumsstoff. Möller's Deut. Gärtn.-Zeit. 49: 304. S.21, 1934. no.26.

Naturwissensch. (Berlin) (474N213)  
Hackbarth, J.

Die bedeutung von tag- und nachtrhythmus (photoperiodismus) für die pflanzenzüchtung. Naturwissensch. 22: 646-647. S.21, 1934. no.38.



Naturwissensch. (cont.)

Waldmeier, M.

Die zahl der blütenblätter bei *Anemone nemorosa* L. Naturwissensch. 22: 648. S.21, 1934. no.38.

Neueit. Geb. Pflanzensch. (Wien) (464.9V672)

Wenzl, H.

Zelloidinabzüge als hilfsmittel zur erkennung von pilzkrankheiten. Neueit. Geb. Pflanzensch. 27: 83-85. S.1934. no.4.

Obst- u. Gemüseb. (Berlin) (80P7750)

Jlling, O.

Zur spargelrostbekämpfung. Obst- u. Gemüseb. 80: 136. S.16, 1934. no.9.

Oxford For. Mem. (99.90x22)

Marshall, R.C.

The physiography and vegetation of Trinidad and Tobago. A study in plant ecology. Oxford For. Mem. 17. 56 p. illus. (maps), 11 pl. 1934.

Pflanzenbau (Berlin) (18P48)

Ullmann, W.

Die zuchtung der kleeartigen futterpflanzen ausserhalb des Deutschen reiches: III. Böhmen, Ungarn, Rumänien, Bulgarien, Jugoslawien, Schweden, Norwegen, Dänemark, Ostsee-Randstaaten, Polen. Pflanzenbau 11: 111-127. S.1934. no.3.

Zimmermann, J. G.

Der zeitpunkt des ährenschiebens und der reife von wintergerste und winterweizen als sorteneigenschaft und seine phänologische bedingtheit. Pflanzenbau 11: 90-11. S.1934. no.3.

Philipp. Agr. (Laguna) (25P542)

Juliano, J. B.

Studies on the morphology of the Meliaceae. II. Sterility in santol, *Sandoricum koetjape* (Burm.F.) Merrill. Philipp. Agr. 23: 253-262. illus., pl. i-ii. S.1934. no.4.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Gassner, G. & Pieschel, E.

Untersuchungen zur frage der uredoüberwinterung der getreideroste in Deutschland. Phytopath. Zeitschr. 7: 355-392. 1934. no.4.



Phytopath. Zeitschr. (cont.)

Kisser, J. & Portheim, L.

Versuche über die verwendbarkeit von wasserstoffsperoxyd als saatgutbeizmittel. Phytopath. Zeitschr. 7: 409-426. 1934. no.4

Nelson, R. M.

Effect of bluestain fungi on southern pines attacked by bark beetles. Phytopath. Zeitschr. 7: 327-353. illus. 1934. no.4.

Pieschel, E.

Ueber eine weissporige uredoform eines rostpilzes und über die entstehung zusammengesetzter uredopusteln. Phytopath. Zeitschr. 7: 393-408. illus. 1934. no.4.

Melampsora euphorbiae f.sp. pepli on Euphorbia peplus.

Proc. Roy. Soc. Victoria (Melbourne) (514M482)

Eckersley, A. M.

Some sap-staining organisms of Pinus radiata, D. Don, in Victoria, Australia. Proc. Roy. Soc. Victoria n.s.,46: 179-194. illus. My.7, 1934. no.2.

Describes two forms of Ceratostomella which appear to form link between American C. pilifera and European C. coerulea. Suggests that two latter forms are variants of same species which should be known as C. coerulea Münch.

Grieve, B. J.

The isolation of the organism causing crown gall on almond trees in Victoria. Proc. Roy. Soc. Victoria n.s.,46: 214-219. pl.xi. My.7, 1934. no.2.

Bacterium tumefaciens.

Paterson, H. T.

Notes on some tertiary leaves from Pascoe Vale. Proc. Roy. Soc. Victoria n.s.,36: 264-273. pl. xiii-xiv. My.7, 1934. no.2.

Raw, A. R.

A practical application of photoperiodic response to plant breeding methods at the State research farm, Werribee. Proc. Roy. Soc. Victoria n.s.,46: 131-138. My.7, 1934. no.2.



Protoplasma (Leipzig) (442.8P94)

Bonner, J.

The relation of hydrogen ions to the growth rate of *Avena coleoptile*. *Protoplasma* 21: 406-423. Je.1934. no.3.

Carter, F. M.

Studies on toxic action. VIII. The toxicity of normal aliphatic alcohols towards various plant tissues. *Protoplasma* 21: 615-629. Ag.1934. no.4.

Jírovec, O.

Der einfluss von ultravioletten strahlen auf grüne und farblose stämme von *Euglena gracilis*. *Protoplasma* 21: 577-587. Ag.1934. no.4.

Jungers, V.

Die verlagerungsfähigkeit des zellinhaltes der zwiebelschuppen von *Allium cepa* durch zentrifugierung. *Protoplasma* 21: 351-361. illus. Je.1934. no.3.

Kormann, P.

Osmometer aus lebenden *Valonia*-zellen und ihre verwendbarkeit zu permeabilitätsbestimmungen. *Protoplasma* 21: 340-350. illus. Je.1934. no.3.

Meindl, T.

Weitere beiträge zur protoplasmatischen anatomie des *Helodea*-blattes. *Protoplasma* 21: 362-393. illus. Je.1934. no.3.

Moyer, L. S.

The constancy of latex isoelectric points. *Protoplasma* 21: 588-593. Ag.1934. no.4.  
In *Euphorbia*.

Umrath, K.

Der einfluss der temperatur auf das elektrische potential, den aktionsstrom und die protoplasmaströmung bei *Nitella mucronata*. *Protoplasma* 21: 329-334. Je.1934. no.3.

Weber, F.

Plasmalemma-zerstörung und tonoplasten-bildung. *Protoplasma* 21: 424-426. Je. 1934. no.3.

Wertheimer, E.

Ueber die ersten anfänge der zuckerassimilation, versuche an hefezellen. *Protoplasma* 21: 522-560. Ag.1934. no.4.



Publ. Bot. Inst. Sci. Dept. Kyoto Imp. Univ. (451K99)  
Ashidi, J.

Studies on the leaf movement of *Aldrovanda vesiculosa* L. I. Process and mechanism of movement. Reprinted from Mem. Coll. Sci. Kyoto Imp. Univ. Ser. B, v.9, p.141-244. illus., pl.9-10. 1934, as Publ. Bot. Inst. Sci. Dept. Kyoto Imp. Univ. no.36.

Hamada, H.

Wachstumsverhältnisse der keimorgane von verschiedenen gramineen im dunkel und bei belichtung mit besonderer berücksichtigung ihrer systematischen stellung. Reprinted from Mem. Coll. Sci. Kyoto Imp. Univ. Ser. B., v.9, p.71-128. 1933, as Publ. Bot. Inst. Sci. Dept. Kyoto Imp. Univ. no.34.

Queensl. Agr. Journ. (Brisbane) (23Q33)

White, C. T.

Queensland weeds. (cont.) Queensland Agr. Journ. 42: 360-363. illus. S.1, 1934. no.3.

Nat grass (*Cyperus rotundus*). Sour grass or yellow grass (*Paspalum conjugatum*)

Queensl. Nat. (Brisbane) (410Q3)

Herbert, D. A.

Records of Queensland fungi. I. Queensland Nat. 9: 44-46. Ag.1934. no.3.

Fupp, H. M. R.

Notes on certain species of *Dendrobium*.

Queensl. Nat. 9: 51-52. pl. Ag.1934. no.3.

Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. (72.9En72)

Anson, R. R.

Leaf curl disease of cotton in the Fiji Islands.

Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d, 1934: 195-198. Jl. 1934.

Hansford, C. G.

Blackarm disease in Uganda. Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d, 1934: 178-195. Jl.1934.

Harland, S. C.

The value of inter-specific hybrids in cotton from the standpoint of genetics. Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d. 1934: 22-30. Jl.1934.



Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow.  
Corp. (cont.)

Harland, S. C.

Selection effects in pure lines of sea island cotton self-fertilised for seventeen generations. Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d, 1934: 31-46. Jl. 1934.

Jackson, F. K.

The health and vigour of the cotton plant in relation to its environment. Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d, 1934: 199-206. Jl. 1934.

Massey, R. E.

Angular leaf spot and blackarm of cotton caused by *B.malvacearum* E.F.S. Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d, 1934: 175-178. Jl. 1934.

Peirce, F. T. & Lord, E.

Studies in variability of cotton, with special reference to immaturity. Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d, 1934: 223-252. illus. Jl. 1934.

Skovsted, A.

Cyto-genetics in relation to plant breeding in cotton. Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d. 1934: 46-51. Jl. 1934.

Watkins, A. E.

The practical application of genetical science to plant breeding. Rep. & Summ. Proc. Conf. Cotton Grow. Probl. Empire Cotton Grow. Corp. 2d, 1934: 14-22. Jl. 1934.

Rev. de Agr. (Piracicaba) (9.2R324)

Graner, E. A.

Observações sobre o numero de chromosomios na bananeira. Rev. de Agr. (Piracicaba) 9: 333-340. illus., 2 pl. Jl./Ag. 1934. no.7/8.

Rev. Sudamer. Bot. (Montevideo) (45OR3242)

Herter, W. G.

La aparición del hongo venenoso Amanita phalloides en Sudamérica. Rev. Sudamer. Bot. 1: 111-119. col.suppl.pl. Ag. 1934. no.4.



Rev. Sudamer. Bot. (cont.)

Merrill, E. D.

Los nombres *Parsonia* y *Cuphea*. Rev. Sudamer.  
Bot. 1: 97-99. Ag. 1934. no.4.

Setchell, W. A.

South American sea grasses. Rev. Sudamer.  
Bot. 1: 107-110. illus. Ag. 1934. no.4.  
*Halophila aschersonii*, *Zostera tasmanica*.

Rev. Gén. Bot. (Paris) (450R326)

Gabriel, C.

Étude phyto-sociologique du Dévoluy. I.  
Rev. Gén. Bot. 46: 484-505. map. pl.xl-xlvi.  
Ag. 1934. no.548.

Semidesert region in "Hautes-Alpes, au nord de  
Veynes, à l'est de Gap"...

Garnier, G.

Influence de l'étirement sur les cellules végétales  
(cont.) Rev. Gén. Bot. 46: 420-447, 506-512.  
illus. Jl., Ag. 1934. no.547-548.

Michel-Durand, E.

Sur les constantes de comparaison utilisées  
dans les recherches relatives aux variations de  
substance dans les feuilles. Rev. Gén. Bot.  
46: 449-469. Ag. 1934. no.548.

Experiments with "catalpa, chataignier, marron-  
nier, laurier-cerise, l'érable.

Reznik, A.

Étude anatomique de la plantule de sorgho.  
Rev. Gén. Bot. 46: 385-419. illus. Jl. 1934. no.547.

Rev. Vitic. (Paris) (95.8R322)

Viala, P. & Marsais, P.

Le court-noué. (cont.) Rev. Vitic. 81: 181-  
187, 213-218. illus. S.20, O.4, 1934. no.2099, 2101.

Rev. Zool. et Bot. Afr. (410R326)

Hauman, L. & Balle, S.

Les *Alchemilla* du Congo Belge et leurs relations  
avec les autres espèces du genre en Afrique contin-  
entale. Rev. Zool. et Bot. Afr. 24: 301-338.  
illus., pl.ii-v. S.15, 1934. no.4.

Résultats botaniques de l'expédition scientifi-  
que belge au Ruwenzori, 1932.



Rhodora (Boston) (450R34)

Fassett, N. C.

Notes from the herbarium of the University  
of Wisconsin. XI. Rhodora 36: 349-352. O.  
1934. no.430.

Fernald, M. L.

Draba in temperate northeastern America.  
(cont.) Rhodora 30: 353-371. pl.314-319. O.  
1934. no.430.

Hodgdon, A. R.

Trillium grandiflorum in New Hampshire.  
Rhodora 36: 376. O. 1934. no.430.

Peabody, R.

Antennaria plantaginifolia with rosy involucre.  
Rhodora 36: 376. O. 1934. no.430.

Steyermark, J. A.

Epifagus virginiana in Missouri. Rhodora 36:  
352-353. O. 1934. no.430.

Steyermark, J. A.

Recent additions to the flora of St. Louis  
County, Missouri. Rhodora 36: 375-376. O.1934.  
no.430.

Riv. Patol. Veg. (Pavia) (464.8R52)

Corneli, E.

Azione a distanza dei metalli sopra alcune  
specie fungine. Riv. Patol. Veg. 24: 397-406.  
S./O. 1934. no.9/10.

Corneli, E.

Riproduzione in laboratorio di infezioni da  
Urocystis tritici Koern. su framenti. Riv. Patol.  
Veg. 24: 407-411. pl. S./O. 1934. no.9/10.

Sempio, C.

Azione di alcune metalli a distanza per  
contatto ed in soluzione sullo sviluppo della Thielavia  
basicola Zopf. e su altri parassiti. Riv. Patol.  
Veg. 24:413-491. pl. i-ii. S./O. 1934. no.9/10.

~~Sempio, C.~~

~~Influenza di alcuni cationi sulla recettività  
del ricini al B. tumefaciens e sullo sviluppo di  
quest' ultimo in coltura (agar di brodo). Riv. Patol.  
Veg. 24: 493-556. illus., fold.tab. S./O. 1934. no.9/10.~~



Science (470Sci2)

Berry, J. A.

Growth of yeast below zero. Science 80: 341.  
O.12, 1934. no.2076.

Stanley, W. M.

The action of high frequency sound waves on tobacco mosaic virus. Science 80: 339-341.  
O.12, 1934. No.2076.

Youngburg, G. E.

Again "why dandelions"? Science 80: 337. O.12, 1934. no.2076.

Comments on recent article by Emmett Bennett:  
see Science 80:142.

Subdivisions of chromosomes. Science v.80,  
no.2075. Suppl. p.10. O.5, 1934.

Experiments of Dr. Calvin B. Bridges of Carnegie Inst., Washington.

Smithson. Misc. Coll. (Washington) (500Sm6M)

Meier, F. E.

Colonial formation of unicellular green algae under various light conditions. Smithson. Misc. Coll. v.92, no.5. 3 pl. (2 col.) O.8, 1934. (Publ.3256)

Meier, F. E.

Effects of intensities and wave lengths of light on unicellular green algae. Smithson. Misc. Coll. v.92, no.6, no.6. 27 p. 3 pl. O.11, 1934. (Publ.3257)

Succulenta (Lecwarden) (450Sul)

Hummelinck, P. W.

Over de cactussen van Curaçao, Aruba en Bonaire. (concl.) Succulenta 16: 161-168. illus. O.1934. no.10.

Swüste, F.

Het geslacht Lithops. Een naprentje. Succulenta 16: 174-176. O.1934. no.10.

Svensk Bot. Tidskr. (450Sv2)

Degelius, G.

Anteckningar till Smålands busk- och bladlavflora. Svensk Bot. Tidskr. 28: 405-435. 1934. no.3.

Hatch, A. B.

A jet-black mycelium forming ectotrophic mycorrhizae. Svensk Bot. Tidskr. 28: 369-383. illus.



Svensk Bot. Tidskr. (cont.)

Johansson, N.

A contribution to the knowledge of the etiology of fruitlet black rot disease of pineapple. Svensk Bot. Tidskr. 28: 384-404. illus. 1934. no.3.

Sveriges Pomol. För. Arsskr. (86Sv2)

Callmar, G. & Johansson, E.

Pollinering och fruktsättning hos äpplesorter. (Pollination of apples). Sveriges Pomol. För. Arsskr. 1931: 169-196. 1934. no.3.

Tabulae Biol. Period. (Berlin) (442T11A)

Asahina, Y.

Flechten-säuren. In Tabulae biologicae periodicae. 4: 198-208. 1934. no.2.

Trop. Agr. (26T751)

Park, M.

A preliminary note on cacao disease in the Dumbara Valley, 1933. Trop. Agr. 81: 207-211. O. 1933; 83: 78-86. Ag. 1934. no.4,2.

Rapid wilting & death caused by marked fluctuations in rainfall and consequently in humidity.

Part II has title: Further notes...

Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) (Leningrad) (451Sa21B)

Blagoveshchenskii, V. A.

Vliiaet li povrezhdenie semiadolei na besplodie u khlopchatnika? (On the influence of cotyledon damage on the sterility of cotton-plant). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 273-276. illus. 1934.

Russian with English summary.

Erilliant, V. A.

K voprosu o vliianii kontsentratsii uglekisloty na energiiu fotosinteza (Beitrag zur frage der wirkung von kohlendäurekonzentration auf die energie der photosynthese). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 103-107. 1934.

Russian.



Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS  
Ser. IV, Bot. Exp.) (cont.)

Gebhardt, A. G.

Zavisimost sosyshchei sily kornevoi sistemy ot pochvennykh uslovii i razvitiia rastenii (Die abhängigkeit der wurzelsaugkraft der pflanzen von den bedingungen des bodens und der vegetativen entwickelung). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 241-256. 1934.

Russian with German summary.

Keller, B. A. & Poplavskii, K. M.

Izmenia u Taraxacum officinale Wigg. pod vozdeistviem fiziko-khimicheskikh factorov na otrecki ego kornei (Abänderungen in Taraxacum officinale Wigg. unter einwirkung physiko-chemischer faktoren aug seine würzelstücke). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 1-13. illus. 1934.

Russian with German summary.

Lilienstern, M. F.

K znacheniiu sootnosheniia osmoticheskogo davleniia y rasteniia khoziaina in poviliki (Ueber osmotische beziehungen zwischen wirtspflanze und parasit.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 235-240. 1934.

Russian with German summary. Dodder.

Litvinov, L. S. & Sapotnitskaia, S. Ia.

Metod opredeleniia vodguderzhivaiushchei sily povhvy v usloviakh polevoi kul'tury (Method of determining the water holding force of the soil in field conditions). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 257-272. 1934.

Russian with English summary.

Litvinov, L. S. & Kolotova, S.S.

O postuplenii i nakoplenii mineral'nykh elementov v rastenii (On the question of the translocation and accumulation of mineral elements in the plant). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 67-102. 1934.

Russian with English summary.



Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) (cont.)

Liubimenko, V. N. & Szeglova, O. A.

Novye dannye o fotoperiodicheskoj induktsii (Nouvelles données expérimentales sur l'induction photopériodique). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser IV, Bot. Exp.) 1: 109-133. 1934.

Russian with German summary. Experiments with soybean, canteloupe and watermelon.

Liubimenko, V. N. & Szeglova, O. A.

O vliianii razdrazhimosti protoplazmy na energiiu fotosinteza (Influence de l'irritabilité du protoplasma sur l'énergie de la photosynthèse). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 15-38. 1934.

Russian with French summary.

Experiments with wheat, barley, bean, oats, buckwheat.

L'vov, S. D. & Bereznegovakaja L.N.

K voprosu o dinamike uglevodov i vodnogo balansa v list'iaxh tabaka v zavisimosti ot iarusy i proizvodimyx lomok (Zur frage über die dynamik der kohlenhydrate und der wasserbilanz in abhängigkeit von der blättreihe und dem brechen der blätter). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 135-170. 1934.

Russian with German summary. Tobacco.

L'vov, S. D.

Vliianie mineral'nykh kationov i anionov na produktsiiu efirnykh masel u rozmarina (Ueber den einfluss mineralischer kationen und anionen auf die produktion von aetherischen oelen beim rosmarin). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 39-65. 1934.

Russian with German summary.

Merzhanian, A. S.

Ob odnostoronnosti morfologicheskikh priznakov u vinogradnoi lozy (Ueber die variabilität der morphologischen merkmale bei der weinrebe). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 277-295. illus. 1934.

Russian with German summary.



Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Expt.) (cont.)

Oltarzhevskii, N. P.

Issledovanie nikubatsionnykh periodov mil'd'iu vinograda v usloviakh kontinental'nogo klimata i ikh znachenie v profilaktike (Die erforschung der inkubationsperioden des mehltaus des weinstocks im kontinentalen klima und deren bedeutung in der prophylaktik) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 223-234. illus., tab. 1934.

Russian with German summary.

Piatnitskii, S. S.

Opyty samoopyleniia u Larix, Acer i Quercus (Versuche über selbstbestäubung, bei Larix, Acer und Quercus). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 297-318. illus. 1934.

Russian.

Pinevich, L. M.

K izucheniiu fiziologii Orobanche ramosa L. (On the physiology of Orobanche ramosa L.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 189-203. illus. 1934.

Russian with English summary.

Pinevich, L. M. & Tulaiikova, K. P.

Vliianie razlichnykh kolichestv i raznykh istochnikov azota na razvitie makhorki (The influence of nitrogen from different sources and of different concentrations on the development of Nicotiana rustica L.) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 171-187. illus. 1934.

Russian with English summary.

Vanin, S. I. & Vladimirskaia, M.M.

O deistvii nekotorykh gazov na gribnitsu domovykh gribov i o glubine proniknoveniia gazov v drevesinu (Ueber die wirkung einiger gase aus des myzelium der hauspilze und die tiefe des eindringens der gase in holz). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser. IV, Bot. Exp.) 1: 205-222. illus. 1934.

Russian with German summary.



Die Umschau (Frankfurt) (474Um7)

Stein, E.

Erbliche, durch radiumbestrahlung erzeugte  
entartung. Die Umschau 38: 796-797. illus.  
O.1, 1934. no.40.

U.S. Dept. Agr. Circ. (1Ag84C)

Franke, K.W., Rice, T.D., Johnson, A.G. & Schoening, H.W.

Report on a preliminary field survey of the  
so-called "alkali disease" of livestock. U.S.  
Dept. Agr. Circ. 320. 9 p. Ag.1934(Rec'd Oct.)

McKinney, H.H., Sando, W.J., Swanson, A.F., Hubbard, V.C.

Smith, G.S., Suneson, C.A. & Sutherland, J.L.

Field experiments with vernalized wheat.  
U.S. Dept. Agr. Circ. 325. 7 p. S. 1934.  
From information now available, the method does  
not seem to offer great possibilities in wheat production.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69F)

Jenkins, A. E.

Cryptosporium canker of rose. U.S. Dept.  
Agr. Plant Dis. Rep. 18: 157. O.1, 1934. no.12.

Sherbakoff, C. D.

Tobacco wilt caused by Verticillium albo-atrum.  
U.S. Dept. Agr. Plant Dis. Rep. 18: 153. O.1,  
1934. no.12.

Stevens, N. E.

Stewart's disease in relation to winter temper-  
atures. U.S. Dept. Agr. Plant Dis. Rep. 18: 141-  
149. illus. (maps) O.1, 1934. no.12.

Věstník Českosl. Zeměd. Mus. (Praze) (19.5P882)

Klečka, A.

Rostlinná produkce v našem pravěké zemědělství.  
(The plant production in our primeval agriculture).  
Věstník Českosl. Zeměd. Mus. 7: 98-102. illus.  
1934. no.3.

English summary: p.140.

Zeitschr. Parasitenk. (442.8Z33F)

Goffart, E.

Beobachtungen an Heterodera marioni (Cornu  
1879) Goodey 1932 unter besonderer berücksichtigung  
ihres parasitologischen verhaltens. Zeitschr.  
Parasitenk. 7: 61-70. illus. S.18, 1934. no.1.



Zeitschr. Pilzk. (Leipzig) (450Z352)

Killermann, S.

Die gattungen Typhula und Pistillaria.  
Kritische darstellung und neue arten. Zeitschr.  
Pilzk. 18(n.s.13): 98-108. illus. S.1934.  
no.4.

Schmid, G.

Pietra fungaja. Ein mykologischer briefwechael  
Goethes. II. Zeitschr. Pilzk. 18(n.s.13):  
110-118. pl. 13. S. 1934. no.4.

Exp. Stat. Publ.

Anderson, P. J.

Tobacco culture in Connecticut. Connecticut  
Agr. Exp. Stat. Bull. 364: 717-810. illus. S.  
1934. (100C76St)  
Diseases: p.763-785.

Kimbrough, W. D. & Costa, D.

Effect of size of seed piece of Irish potato  
on recovery from freeze injury. Louisiana Agr.  
Exp. Stat. Bull. 254. 12-p. S.1934 (100L93)

Alexander, L. J.

Leaf mold resistance in the tomato. Ohio  
Agr. Exp. Stat. Bull. 539. 26 p. illus. Ag.  
1934. (1000h3S)

Porto Rico. Estación experimental insular.

Seccion de botanica y fitopatologia. In its  
Informe Anual 1932/33: 76-91. 1934. (100P83A)  
M.T. Cook chief.

New books.

Académie malgache.

Catalogue des plantes de Madagascar. 5 nos.  
Tananarive, G. Pitot, 1933-34. (460.51Acl)  
Palmae, par H. Jumelle, Chenopodiaceae, Thymel-  
aeaceae, par J. Leandri, Melastomaceae, Podoste-  
maceae et Hydrostachyaceae, par H. Perrier de la Bathie.

Ascherson, P. & Graebner, P.

Synopsis der Mitteleuropäischen flora... fort-  
gestzt von P. Graebner fil. 125/126 lfg. (v.12  
pt.2. Compositae (Hieracium bearb. von H. Zahn, p.  
481-640.) Leipzig, Borntraeger, Ag.15, 1934.  
(459As2S)



New Books (cont.)

Baroni, E.

Guida botanica d'Italia, ossia chiavi analitiche per determinare le piante spontanee che crescono nella penisola. 2. ed. corretta e notevolmente accresciuta. Bologna, L. Cappelli, 1932. (459.8B26)

Bonnier, G. & Douin, R.

Flore complete illustree en couleurs de France... Suisse et Belgique. v.12, f. 1.20 col.pl. 715-721. [1934] (f<sup>o</sup>459B64)

Harris, J. A.

The physico-chemical properties of plant saps in relation to phytogeography. Minneapolis, University of Minnesota press, 1934. (463.2H24)

Ho, T.-F.

A preliminary list of the fungi of Japan. Peiping, Published by the Dept. of biology, College of agriculture, National Peiping University, 1931. (462.16H65)

Hutchinson, J.

The families of flowering plants. II. Monocotyledons. London, Macmillan, 1934. (452H972)

Mahoney, C. H.

An ecological study of the genus *Rubus* with reference to growth resistance. By Charles H. Mahoney. East Lansing, Mich., 1931. (463.84M27)  
Thesis - Mich. State Coll. Agr.

Matsuura, H.

A bibliographical monograph on plant genetics (genic analysis) 1900-1929. 2d ed., rev. and enl. Sapporo, Hokkaido imperial university, 1933. (463.6M42)

Moldenke, H. N.

The observed flora of Watchung, N.J., and its immediate vicinity. Together with a schematic classification of the plant kingdom to orders. 3d ed. Watchung, Elsinore press, 1934 (455.33M73)  
Non-descriptive list.

Nierenstein, M.

The natural organic tannins. London, J. & A. Churchill, 1934. (387.1N553)

The botany of the tannins, by Macgregor Skene: p.253-289.



New Books. (cont.)

Russell, C. P.

A concise history of scientists and scientific investigations in Yellowstone national park. With a bibliography of the results of research and travel in the Park area. [Washington, D.C., 1934]

(241.5Un33)

Flora (Bibliography): p.37-39.

Mimeographed publication from Dept. of Interior, Office of National parks.

Sorauer, P.

Handbuch der pflanzenkrankheiten... 6., neu-  
arb. aufl. ... hrsg. von Dr. O. Appel. v.1, pt.1-2.  
Die nichtparasitären und virus-krankheiten. Berlin,  
P. Parey, 1933-34. (464So6)

Tischler, G.

Allgemeine pflanzenkaryologie. 2. aufl., 1. hälfte  
Der ruhekern. Berlin, Borntraeger, 1934 (Handbuch  
der pflanzenanatomie hrsg. von K. Linsbauer. Allge-  
meine teil: Cytologie bd.II) (463.4H194)

Filed out of place.

Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia  
(451P282)

Agostini, A.

Miceti della Somalia. Atti Bot. Ist. Giov.  
Briosi e Lab. Critt. Ital. R. Univ. Pavia IV, 4:  
191-201. illus. 1933(1934)

Monacrosporium tedeschi n.sp.

Baldacci, E.

Il mal degli sclerozi nei fagioli (Sclerotinia  
libertiana Fick.) Atti Ist. Bot. Giov. Briosi e  
Lab. Critt. Ital. R. Univ. Pavia IV, 4: 69-86.  
illus. 1933(1934)

Ciferri, R.

Studi sull'ecologia del mogano (Swietenia mahago-  
ni Jacq.) in San Domingo. Atti Ist. Bot. Giov.  
Briosi e Lab. Critt. Ital. R. Univ. Pavia IV, 4: 87-  
166. illus. 1933(1934).

Ciferri, R. & Baldacci, E.

Sulle batteriosi, fusariosi, geotricososi e sul mar-  
ciume apicale (blossom-end rot) dei frutti di pomo-  
doro. Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital.  
R. Univ. Pavia IV, 4: 203-280. illus. 1933(1934).



Filed out of place (cont.)

Atti Ist. Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia (cont.)  
Ciferri, R.

L'uso della "cellofana" nelle esperienze di  
patologia vegetale. Atti Bot. Ist. Giov. Briosi  
e Lab. Critt. Ital. R. Univ. Pavia IV, 4:179-  
183. illus. 1933(1934)

Maffei, L.

Caulirizia nell'*Alnus glutinosa* L. Atti Ist.  
Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ.  
Pavia IV,4: 31-39. illus. 1933(1934)

Pollacci, G.

Influenze della nutrizione sulla formazione dei  
sessi nella canapa (*Cannabis sativa*). Atti Ist.  
Bot. Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia  
IV,4: 3-8. 1933(1934)

Pollacci, G.

Ottone Penzig. Atti Ist. Bot. Giov. Briosi  
e Lab. Critt. Ital. R. Univ. Pavia IV,4: iii-x.  
port. 1933(1934)

Pollacci, G.

Rassegna sull'attività del R. Laboratorio crittoga-  
mico di Pavia (Osservatorio fitopatologico per le  
province di Cremona, Parma, Pavia e Piacenza) duran-  
te l'anno 1932. Atti Bot. Ist. Giov. Briosi e  
Lab. Critt. Ital. R. Univ. Pavia IV,4: 283-303.  
1933(1934)

Pollacci, G. & Orsenigo, A.

Sui metodi per la ricerca microchimica del fos-  
foro in istologia. Atti Bot. Ist. Giov. Briosi  
e Lab. Critt. Ital. R. Univ. Pavia IV,4: 167-178.  
illus. 1933(1934)

Tredici, V.

Sui condriosomi dei miceti. Atti Ist. Bot.  
Giov. Briosi e Lab. Critt. Ital. R. Univ. Pavia  
IV,4: 49-62. illus. 1933(1934)

*Cryptococcus interdigitalis*, *C. conglobatus*,  
*C. uvae*.

Non-current indexing.

Africa Ital. (507N16)

Bruno, A.

Le piante oleaginose dei paesi caldi. Africa  
Ital. 50:72-115. 3 pl. Mr./S. 1932. no.1/3.



Non-current indexing. (cont.)

Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) (20.5P19)

Korohoda, J.

Zmienność i korelacje cech u ziemniaka (Variability and correlations in potato). Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) 13: 238-275. illus., fold. tab. 1932.

Polish with English summary.

Lewicki, S.

Studja nad prosem (*Panicum miliaceum*) (A study on millet. III. The anatomy of leaves in relation to certain physiological characters). Pam. Państw. Inst. Nat. Polon. Econ. Rur. Pulawy) 13: 325-343. 1932.

Swederski, W.

Skład botaniczny zanieczyszczeń ziarna zboża konsumcyjnego w Małopolsce Wschodniej (Weed elements in the commercial seeds of cereals in the south-eastern part of Poland). Pam. Państw. Inst. Nauk. Gospod. Wiejsk. Puławach (Mém. Inst. Nat. Polon. Econ. Rur. Pulawy) 13: 131-162. 1932.

Polish with English summary.

Correction.

V.16, no.17, p.40.

Brownallia-släktet should be Browallia-släktet under Svenska Linné-Sällsk. Arsskr., Morner, C.T.

Translations filed in Library of Bur. of Plant Industry.

Lagerberg, T.

Sulfitvedens behandling och lagringsröten. (The treatment of sulphite pulpwood and storage rot). Skogs. Fören. Tidskr. 22: 231-249. Ag./S. 1924.

Léveillé, H.

Dispersion de l'Arceuthobium en France. (Distribution of Arceuthobium in France). Bull. Acad. Intern. Géogr. Bot. 13: 88. 1904.



Translations filed in Library of Bur. of Plant Industry (cont.)

Linden, G. von & Zenneck, L.

Untersuchungen über das ulmensterben in den beständen der städtischen gartenverwaltung der stadt Bonn und anderer orte. (Investigations on the elm disease in the stands of the urban garden administration of the city of Bonn and other localities). Centralbl. Bakt. Abt.II, 69: 340-351. F.1927.

Melin, E.

Barrträdens mycorrhiza och densammas betydelse för trädens utveckling på torrlagda myrmarker. (The mycorrhiza of coniferous trees and their significance to tree development on drained peat bogs). In Studier över de norrländska myrmarkernas vegetation... Upsala, Almquist & Wiksells, 1917. chapter V.

Melin, E.

Experimentelle undersuchungen über die birken- und espenmykorrhizen und ihre pilzsymbionten. (Experimental researches concerning the mycorrhizas of birches and aspen and their fungus symbionts). Svensk Bot. Tidskr. 17: 479-520. 1923.

Miller, V. V.

Voprosy biologii i diagnostiki domovykh gribov (Question of the biology and diagnostics of the common mold). Moskva., Leningrad, 1932.

Möller, A.

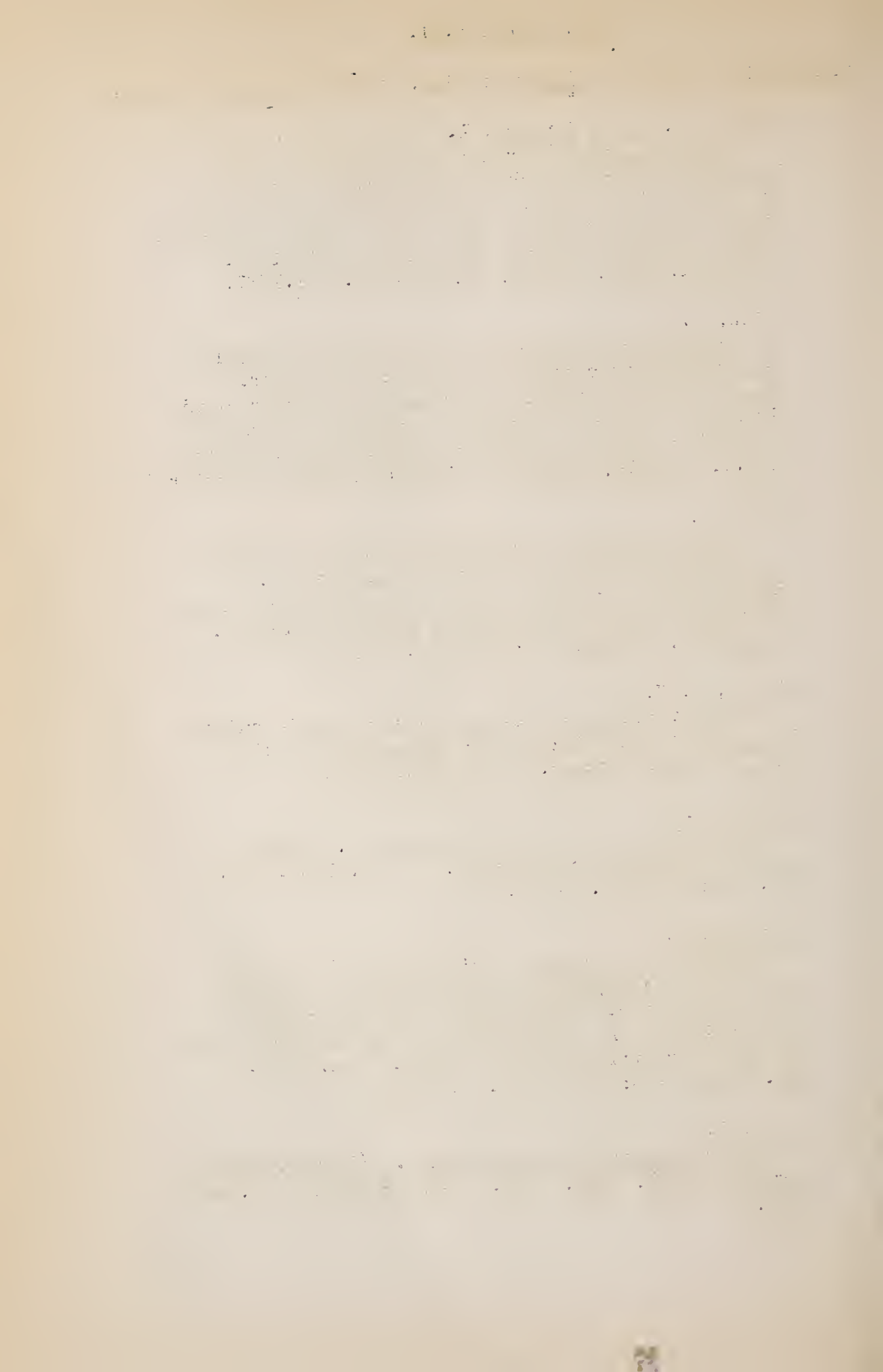
Mykorrhizen und stickstoffernahrung. (Mycorrhiza and nitrogen nutrition). Ber. Deut. Bot. Ges. 24: 230-233. 1906.

Molliard, M.

Expériences permettant d'expliquer l'atténuation de la chlorophylle présentée par les plantes vertes parasites. (Experiments making possible an explanation of the attenuation of chlorophyll shown by green parasitic plants). Compt. Rend. Acad. Sci. Paris 195: 1190-1192. D.19,1932.

Noack, F.

Ueber mykorrhizenbildende pilze. (On mycorrhiza-forming fungi). Bot. Zeit. 47: 385-397. Je.14, 1889.



Translations filed in Library of Bur. of Plant Industry (cont.)

Peyronel, B.

Nouveaux cas de rapports mycorhiziques entre phanerogames et basidiomycètes. (New cases of mycorrhiza relations between phanerogams and basidiomycetes). Bull. Soc. Mycol. France 37: 143-146. Mr.31, 1922.

Peyronel, B.

Sul nerume o marciume nero delle castagne. (Chestnut blackening or black rot). Staz. Sper. Agr. Ital. 52: 21-41. 1919.

Prell, H.

Ulmensterben und ulmenborkenkäfer. Ursachen und bekämpfung einer epidemischen baumkrankheit. (Die-back of elms and elm-bark beetles. Causes and control of an epidemic tree disease). Kranke Pflanze 7: 89-93, 103-105. 1930.

Rexhausen, L.

Ueber die bedeutung der ektotrophen mykorrhiza für die höheren pflanzen. (The significance of ectotropic mycorrhiza for higher plants). Beitr. Biol. Pflanz. 14: 19-58. illus. 1920.

Romell, L. G.

Parallelvorkommen gewisser boleten und nadelbäume. (Parallel occurrence of certain Boleti and conifers). Svensk Bot. Tidskr. 15: 204-213. N. 1931.

Sakamura, T.

Weitere studien über die moderierende rolle der organischen salze und des phosphats bei der kultur von *Aspergillus niger*. (Further studies concerning the moderating role of organic salts and phosphates in the culture of *Aspergillus niger*). Japanese Journ. Bot. 3: 245-265. My.1927.

Uchida, S.

... Researches on relations between rot resistance of "hiba" (*Thujaopsis dolobrata*) wood, and the essential oil of the "hiba". Kogyo Kwagaku Zasshi (Journ. Soc. Chem. Ind. Japan) 31: 501-503. Je.1928.



Translations (cont.)

Vogolino, P.

Il nerume delle castagne. (Chestnut blight or black rot). Difesa Piante Torino 8(2): 1-4.

Ap. 1931.

Wallen, A.

Till kannedomen om klimatet i skogen och andra vegetationssamhällen. (On the knowledge concerning climate in forests and other plant associations.) Svenska Skogsvårdsfören. Tidskr. (Journ. Swedish. For. Soc.) 30: 275-401. illus. 1932.

Westenberg, J.

Uit de historie van de Graphium-ziekte in de iepen. (Concerning the history of the Graphium disease of the elm tree). Tijdschr. Plantenz. 38: 61-65. Ap. 1932.

Westerdijk, J., Lebeboer, M. & Went, J.

Mededeelingen omtrent gevoeligheidsproeven van iepen voor Graphium ulmi Schwarz, durende 1929 en 1930. (Reports of the tests of susceptibility of elm trees to Graphium ulmi Schwarz during 1929 and 1930) Tijdschr. Plantenz. 37: 105-110. 1931.

Wille, F.

Die rauchschadenfrage der aluminiumfabriken... (The problem of smoke damage in aluminium factories) Berlin, P. Parey, 1922.

Transl. of summary of results only.

Wollenweber, H. W.

Infektionsversuche mit Graphium ulmi an ulmen und anderen laubbaumen. (Inoculation experiments with Graphium ulmi on elms and other hardwoods). Nachrichtenbl. Deut. Pflanzenschutzd. 11: 89. N. 1931.

Wollenweber, H. W.

Die wirtelpilz-welkekrankheit (verticilliose) von ulme, ahorn und linde usw. (On the verticilliosis of elm, maple, linden, etc.) Arb. Biol. Reichsanst. Land- u. Forstw. 17: 273-299. Je.1929.

De bestrijding van de iepenziekte. (Control of the elm disease). Washington, D. C., Mr. 1934. 11 p.

Transl. of newspaper article from Nieuwe Rotherdammsche Courant Avonblad B. p.3.



lc  
BOTANY  
CURRENT LITERATURE

LIBRARY RECEIVED  
NOV 1 1934  
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 22

Oct. 22-Nov. 3, 1934.

Acta Hort. Berg. (Stockholm) (451Sw3)

Edman, G.

Apomeiosis und apomixis bei *Atraphaxis frutescens* C. Koch. Acta Hort. Berg. 11: 13-66. illus. 1931. no. 2.

Elvers, I.

Chromosomenzahlen in der gattung *Valerianella* nebst einigen systematischen bemerkungen. Acta Hort. Berg. 11: 81-87. illus. 1932. no. 4.

Fries, R. E.

P. J. Bergius, ett tvåhundra-årsminne. Acta Hort. Berg. 11: 1-11. 2 pl. 1931. no. 1.

Gelin, O. E. V.

Embryologische und cytologische studien in *Heliantheae-Coreopsidinae*. Acta Hort. Berg. 11: 99-128. illus. 1934. no. 6.

Gelin, O. E. V.

*Nymphaea daubenyana*. Eine zytologische studie. Acta Hort. Berg. 11: 39-97. illus. 1932. no. 5.

Samuelsson, G.

*Polygonum oxyspermum* Mey. et Bge. und *P. raii* Bab. ssp. *norvegicum* Sam. n. ssp. Acta Hort. Berg. 11: 67-80. illus. (map), 2 pl. (1 col.) 1931. no. 3.

Agron. Colon. (Paris) (26Ag312)

Bouriquet, G.

La culture du blé à Madagascar et les rouilles. (concl.) Agron. Colon. 25: 77-80. S. 1934. no. 201.



Agronomoomia (Tartu, Esthonia) (20Ag87)

Tomson, R.

Ristikuvähk ja teised ristiku haigused eestis.  
(cont.) Agronomoomia 14: 350-359. illus. S.29,  
1934. no.9.

Clover diseases.

Amer. Journ. Sci. (New Haven) (470Am34)

Allen, E. T.

The agency of algae in the deposition of  
travertine and silica from thermal waters.

Amer. Journ. Sci. 28: 373-389. N.1934. no.167.

Ann. Agron. (Paris) (14An75A)

Dufrenoy, J. & Reed, H. S.

Effets pathologiques de la carence ou de  
l'excès de certains ions sur les feuilles des  
citrus. Ann. Agron. n.s.,4: 637-653. illus.  
S./O. 1934. no.5.

Ann. Mus. Congo Belge (Bruxelles) (f°515076)

Staner, P. & Craene, A.de.

Les Eriosema de la flore congolaise. Ann.  
Mus. Congo Belge Bot. VI,1: 41-90. illus., pl.  
xxviii-xxxi. My.1934. no.2.

Ann. Mycol. (Berlin) (450An76)

Cernohorsky, Th. & Singer, B.

Vorarbeiten zur russulaflora Oesterreichs.  
Ann. Mycol. 32: 448-463. 1934. no.5/6.

Mit. besonderer berucksichtigung der umgebung  
Wiens.

Gäumann, E.

Zur kenntnis des Uromyces fabae (Pers.) de By.  
Ann. Mycol. 32: 464-470. 1934. no.5/6.

Petrak, F.

Mykologische notizen. XII. Ann. Mycol. 32:  
317-447. 1934. no.5/6.

Smith, A. H.

New and unusual agarics from Michigan. Ann.  
Mycol. 32: 471-487. illus., pl.vi-xi. 1934.  
no.5/6.



Arch. Exp. Path. u. Pharm. (Leipzig) (448.8Ar2)

Vollmer, H.

Ueber den gerbstoffgehalt einheimischer pflanzen aus der reihe der tubifloren. Arch. Exp. Path. u. Pharm. 176: 550-557. S.25, 1934. no.4/5.

Borraginaceae, Convolvulaceae, Solanaceae.

Atti R. Accad. Naz. Lincei VI Rend. Cl. Sci. Fis., Mat. e Nat.

(Rome) (507R66)

Curzi, M.

Una grave infezione da Phytophthora dei peschi. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 19: 817-820. Je.1, 1934. no.11.

Menarini, D.

Differenziazione degli elementi legnosi in plantule di leguminose. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 19: 741-747. illus. My.20, 1934. no.10.

Savelli, R.

Osservazioni microchimiche su alcune formazioni secretizie endocellulari. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 19: 825-827. Je.1, 1934. no.11.

Soster, N.

Sulla presenza di un corpo di aspetto oleaginoso nelle cellule epidermiche delle foglie di Haworthia cymbiformis. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 19: 735-740. My.20, 1934. no.10.

Verona, O.

Coltura spontanee di cellulositici aerobi: *Cytophaga winogradskii*, n. sp. Atti R. Accad. Naz. Lincei VI, Rend. Cl. Sci. Fis., Mat. e Nat. 19: 731-734. pl. My.20, 1934. no.10.

Austral. Journ. Exp. Biol. & Med. Sci. (Adelaide) (442.8Au7)

Petrie, A. H. K.

The drift of the content of potassium and calcium with age in plants. Austral. Journ. Exp. Biol. & Med. Sci. 12: 99-110. S.16, 1934. no.3.



Biochem. Journ. (London) (382B52)

Greenhill, A. W. & Chibnall, A. C.

The exudation of glutamine from perennial ryegrass. Biochem. Journ. 28: 1422-1427. illus. 1934. no.4.

McClendon, J. F., & Barrett, E. & Canniff, T.

The iodine content of potatoes. Biochem. Journ. 28: 1209-1211. illus. 1934. no.4.

Oxford, A. E. & Raistrick, H.

Studies in the biochemistry of micro-organisms. XXXIX. The metabolic products of *Penicillium crateriforme* Gilman and Abbott. Biochem. Journ. 28: 1321-1324. 1934. no.4.

Biochem. Zeitschr. (Berlin) (384B522)

Blagoveshchensky, A. V. & Melamed, R. M.

Die proteolytischen fermente der samen einiger pflanzen. Biochem. Zeitschr. 273: 435-445. O.3, 1934. no.4/6.

Iljin, G.

Die eiweissstoffe der tabaksamen. Biochem. Zeitschr. 273: 350-353. O.3, 1934. no.4/6.

Hofmann, E.

Untersuchungen über glykoside und disaccharide spaltende enzyme von schimmelpilzen. Biochem. Zeitschr. 273: 198-206. S.19, 1934. no.1/3.

Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. (442.9C14)

Nicol, H.

The derivation of the nitrogen of crop plants, with special reference to associated growth. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 9: 383-410. O.1934. no.4.

Timoféeff-Ressovsky, N. W.

The experimental production of mutations. Biol. Rev. & Biol. Proc. Cambridge Phil. Soc. 9: 411-457. illus. O.1934. no.4.



Blumea (Leiden) (450B62)

Baas Becking, L.G.M. & Nicolai, E.

On the ecology of a sphagnum bog. Blumea  
(Leiden) 1: 10-45. illus. Ag.25, 1934. no.1

Danser, B. H.

The Cornaceae, sensu stricto, of the Netherlands  
Indies. Blumea (Leiden) 1: 46-74. Ag.25, 1934.  
no.1.

Mastixia and Mastixiodendron.

Goddijn, W. A.

On the species conception in relation to  
taxonomy and genetics. Blumea (Leiden) 1: 75-  
89. Ag.25, 1934. no.1.

Henrard, J.Th.

Notes on the genus *Digitaria*, with descriptions  
of new species. Blumea (Leiden) 1: 90-114.  
Ag.25, 1934. no.1.

Lam, H. J.

Materials towards a study of the flora of the  
island of New Guinea. Blumea (Leiden) 1: 115-159.  
illus.(maps) Ag.25, 1934. no.1.

Lütjeharms, W. J.

Substanzbegriff und systematik. Blumea (Leiden)  
1: 160-193. Ag.25, 1934. no.1.

Smith, J. J.

Artificial key to the orchid genera of the  
Netherlands Indies, together with those of New  
Guinea, the Malay Peninsula and the Philippines.  
Blumea (Leiden) 1: 194-215. illus. Ag.25, 1934.  
no.1.

Verdoorn, Fr.

Revision der von Ozeanien, Australian und  
Neuseeland angeführten *Lejeuneaceae* holostipae.  
Blumea (Leiden) 1: 216-240. Ag.25, 1934. no.1.  
De frullaniaceis XIV.

Bol. Agr. y Ganad. Peru. (9.8P43B)

Weberbauer, A.

Plantas tóxicas que sirven para la pesca en el  
Perú. Bol. Agr. y Ganad. Peru 3: 291-302.  
illus. 1933. no.11/12.



Bol. Min. Agr. Rep. Argentina (9B633)

Nieves, R.

Nota preliminar sobre un probable híbrido natural (*Avena byzantina* x *A. fatua*) atacada por *Ustilago levis*. Bol. Min. Agr. Rep. Argentina 36: 73-79. Ja./Mr.1934. no.1.

Vallega, J.

Eradicación del sorgo de alepo mediante aplicaciones de clorato de sodio. Bol. Min. Agr. Rep. Argentina 36: 3-24. illus. Ja./Mr. 1934. no.1.

Boll. R. Uffic. Serv. Agrari Tripolit. (24T733)

Morgantini, A. M.

La henna. Boll. R. Uffic. Serv. Agrari Tripolit. 3: 133-140. Ap.1934. no.4.

Boll. Soc. Ital. Biol. Sper. (Napoli) (442.8Sol2)

Baldacci, E.

L'immunità acquisita attiva nelle piante superiori. I. Boll. Soc. Ital. Biol. Sper. 9: 744-746. Ag.1934. no.8.

Bot. Mag. Tokyo (450B651)

Emoto, Y.

Die myxomyceten Japans. IV-V. Bot. Mag. Tokyo 48: 478-487, 558-566. illus. Jl., Ag.1934. no.571,572.

Japanese with brief German résumé

Fukuyama, N.

Studia orchidacearum japonicarum. III. Orchidaceae formosanae novae atque criticae. Bot. Mag. Tokyo 48: 429-442. illus. Jl.1934. no.571.

Handa, T.

Ueber die lebensdauer der stammepidermiszellen von *Sterculia platanifolia*. Bot. Mag. Tokyo 48: 540-551. illus. Ag.1934. no.572.

Hiratsuka, N.

Inoculation experiments with heteroecious species of the Japanese rust fungi. II. Bot. Mag. Tokyo 48: 463-466. Jl.1934. no.571.

Horikawa, Y.

Symbolae florae Bryophytarum Orientali-Asiae. I. Bot. Mag. Tokyo 48: 452-462. illus. Jl.1934. no.571.



Bot. Mag. Tokyo (cont.)

Hosokawa, T.

Conspectus of the genus *Lepinia*. Bot. Mag.  
Tokyo 48: 528-530. illus. Ag.1934. no.572.  
*L. ponopensis* n.sp.

Ito, S.

Cultures of Japanese Uredinales. I.  
Bot. Mag. Tokyo 48: 531-539. Ag.1934. no.572.

Matsuda, H.

Experimental pollination with giant pollen  
grains of *Petunia*. Bot. Mag. Tokyo 48: 552-557.  
Ag.1934. no.572.

Okunuki, K.

Untersuchungen über das Verhalten der rosahefe  
gegen die Bestrahlung. Bot. Mag. Tokyo 48: 519-  
527. Ag.1934. no.572.

Okunuki, K.

Weitere Beobachtungen über die Adsorptions-  
verhältnisse der von rosahefen gebildeten Wachstums-  
stoffe. Bot. Mag. Tokyo 48: 443-451. Jl.1934.  
no.571.

Shimakura, M.

Ueber die Nadeln der Zwischenformen von *Abies*  
*firma* F. et Z. und *A. homolepis* S. et Z. Bot. Mag.  
Tokyo 48: 488-492. illus. Jl. 1934. no.571.  
Japanese with German summary.

Yamada, Y.

[Obituary notice of Bunzo Hayata]. Bot. Mag.  
Tokyo 48: 493-503. port. Jl.1934. no.571.  
Japanese. (Died Jan.13,1934.)

Yuasa, A.

Studies in the cytology of Pteridophyta. VI.  
Reduction division in *Ophioglossum ellipticum*  
Hooker et Greville (Prel.note). Bot. Mag. Tokyo  
48: 567-570. illus. Ag.1934. no.572.  
Japanese with English summary.

Bull. Agr. Congo Belge (Bruxelles) (24K83)

Ferrand, M.

L'amélioration de l'Hévéa. Bull. Agr. Congo  
Belge 25: 149-191. Je.1934. no.2.

Lebrun, J.

Rapport sur un voyage d'études botaniques dans  
le district de l'Uele-Nepoko. Bull. Agr. Congo  
Belge 25: 192-204. illus. Je.1934. no.2.  
Northeastern Belgian Congo.



Bull. Amer. Iris Soc. (81Am39)

Peckham, E. A. S.

"Servant of the rainbow". Bull. Amer. Iris Soc. 53: 44-53. illus. O.1934.

Some things discovered during a three-year research into the origin of the fleur-de lys and its connection with the iris.

Bull. Cl. Sci. Acad. Roy. Belg. (Bruxelles) (504B83B)

Bouillenne, R. & Prevot, P.

Recherches expérimentales sur les phénomènes de néoformation chez *Begonia rex* Putz. (cont.)

Bull. Cl. Sci. Acad. Roy. Belg. V,20: 584-609. illus. 1934. no.6.

Bull. Coll. Agr. & For. Univ. Nanking (107N15B)

Yu, T. F.

Pythium damping off of cucumber. Bull. Coll. Agr. & For. Univ. Nanking n.s.13: 1-16. illus. Ap.1934.

Yu, T. F., Chen, H. K. & Hwang, L.

Seed treatment experiments for controlling kernel smut of millet. Bull. Coll. Agr. & For. Univ. Nanking n.s.,14: 1-18. illus. Ap.1934.

Chinese with English summary.

Yu, T. F., Chen, H. K., and Hwang, L.

Varietal resistance and susceptibility of foreign barleys to covered smut (*Ustilago hordei* (Pers.) K. & S.) Bull. Coll. Agr. & For. Univ. Nanking n.s. 12: 5-12. Ap.1934.

Yu, T. F., Chen, H. K., and Hwang, L.

Varietal resistance and susceptibility of wheats to flag smut (*Urocystis tritici* Koern.) II. Bull. Coll. Agr. & For. Univ. Nanking n.s., 12: 1-4. Ap.1934.

Bull. Econ. Indochine (22.5In2)

Bugnicourt,

Premières observations sur les maladies du tabac dans le Sud-Indochinois, programme d'études Bull. Econ. Indochine 37: 717-721. 3 pl. Jl./Ag. 1934.



Bull. Econ. Indochine (cont.)

Crevost, C. & Pételot, A.

Catalogue des produits de l'Indochine.

(cont.) Bull. Econ. Indochine 37: 730-776.

illus., 16 pl. Jl./Ag.1934.

Crevost, C.

Matières a mastiquer. Bull. Econ. Indochine  
37: 722-729. illus. Jl./Ag. 1934.

Bull. Imp. Coll. Agr. & For. Morioka, Japan. (107.6M82)  
Togashi, K. & Shibasaki, Y.

Biometrical and biological studies of *Albugo candida* (Pers.) O. Kuntze in connection with its specialization. Bull. Imp. Coll. Agr. & For. Morioka, Japan. 18. 88 p. illus. Je.1934.

Two morphological forms; var. *macrospora* on *Brassica* and *Raphanus*, var. *microspora* on *Cardamine flexuosa*, *Capsella bursa-pastoris* var. *auriculata*, *Draba nemerosa* var. *hebecarpa* and *Arabis hirsuta*.

Togashi, K. & Onuma, F.

A list of parasitic fungi collected on Mt. Hayachine, Iwate prefecture. Bull. Imp. Coll. Agr. & For. Morioka, Japan. 17. 74 p. illus. Je.1934.

A number of new species are described.

Host index: p.66-74.

Bull. Lloyd Library (Cincinnati) (396.8L77)

Lloyd, C. G. & Aiken, W. H.

Flora of Samoa. Bull. Lloyd Libr. & Mus.

33. Bot. Ser. no.4. 113 p. illus. 1934.

"Dr. Aiken identified, classified and wrote descriptions of the entire collection" [of higher plants], "he also arranged and edited Mr. Lloyd field notes, adding this information to his own taxonomic work on the collection".

Bull. Soc. Bot. France. (Paris) (451F84B)

Camus, A.

*Humbertochloa* A. Camus et O. Stapf, genre nouveau de graminées malgaches. Bull. Soc. Bot. France 81: 467-471. illus. S.17, 1934. no.5/6.

*H. bambusiuscula* n. sp.

Camus, A.

Un  $\times$  *Orchiserapias* nouveau pour la flore de France. Bull. Soc. Bot. France 81: 499-500. illus. S.17, 1934. no.5/6.

*Orchis picta*  $\times$  *Serapias lingua*.



Bull. Soc. Bot. France. (cont.)

Dughi, R.

Une station française de lichens épiphyllés.  
Bull. Soc. Bot. France 81: 500-507. S.17, 1934.  
no.5/6.

Dusseau, A.

Sur le mécanisme de la persistance des organes  
foliacés des plantes de haute montagne. Bull.  
Soc. Bot. France 81: 460-467. illus. S.17, 1934.  
no.5/6.

Gagnepain, F.

[Henri Lecomte] Bull. Soc. Bot. France 81: 472-  
474. S.17, 1934. no.5/6.

Guillaumin, A.

Matériaux pour la flore de la Nouvelle-  
Calédonie. XXXVII. Révision des scrophulariacées.  
Bull. Soc. Bot. France. 81: 454-455. S.17, 1934.  
no.5/6.

Jovet, P.

Le Bryum erythrocarpum Schw., ses différentes  
stations principalement dans le Valois. Bull.  
Soc. Bot. France 81: 442-449. S.17, 1934. no.5/6.

Léandri, J.

Espèces et localités nouvelles d'euphorbiacées  
d'Afrique et de Madagascar. Bull. Soc. Bot. France  
81: 449-454. illus. S.17, 1934. no.5/6.

Sapium aubrevillei, n.sp. and new species in  
Phyllanthus.

Léandri, J.

Espèces nouvelles de Drypetes (euphorbiacées)  
de la Côte d'Ivoire. Bull. Soc. Bot. France 81:  
458-460. S.17, 1934. no.5/6.

D. aubrevillei, D. pellegrini, D.mottikoro n.spp.

Prat, H.

Contribution à l'étude systématique et histol-  
ogique des chloridées. Bull. Soc. Bot. France 81:  
475-491. illus. S.17, 1934. no.5/6.

Moreau, F. & Fernand, Mme.

Contribution à l'étude de la flore lichénique  
des Pyrénées centrales. Bull. Soc. Bot. France  
81: 491-498. S.17, 1934. no.5/6.



Bull. Soc. Roy. Bot. Belg. (Brussels) (451B41B)

Beeli, M.

Contribution a l'étude de la flore mycologique  
du Congo. Fungi Goossensiani. X. Bull. Soc. Roy.  
Bot. Belg. 66(II,16): 14-31. pl.i-iii. 1933. no.1.

Bouillenne, R.

Substances formatrices de racines chez les  
plantes supérieures. Bull. Soc. Roy. Bot. Belg.  
66(II,16): 55-57. 1933. no.1.

Braecke, M.

Du noircissement "post mortem" du *Pedicularis  
sylvatica* L. Extraction de manitol (mannite) à  
partir de cette espèce. Bull. Soc. Roy. Bot.  
Belg. 66(II,16): 9-13. 1933. no.1.

Coulouma, J.

Contribution a l'étude chimique des cistes.  
Bull. Soc. Roy. Bot. Belg. 66(II,16): 86-94.  
1933. no.1.

Hauman, L.

L'étude de la flore Belge. Bull. Soc. Roy.  
Bot. Belg. 66(II,16): 102-106. 1934. no.2.

Henrotin, M.

Introduction a l'étude de bourgeons sériés:  
Organographie des tiges dans le genre *Juglans*.  
Bull. Soc. Roy. Bot. Belg. 66(II,16): 65-79.  
pl.1-6. 1933. no.1.

Homès, M. V.

La conservation de *Codium bursa* en herbier ou  
en liquide. Bull. Soc. Roy. Bot. Belg. 66(II,  
16): 34-36. illus. 1933. no.1.

Martens, P.

Recherches sur la cuticle II. Dépouillement  
cuticulaire spontané sur les pétales de *Tradescantia*.  
Bull. Soc. Roy. Bot. Belg. 66(II,16):  
58-64. illus. 1933. no.1.

Terby, J.

Origine et destinée du fuseau et de la  
vésicule polaire dans la division somatique  
du *Plasmodiophora brassicae*. Bull. Soc. Roy.  
Bot. Belg. 66(II,16): 123-140. pl. ii. 1934.  
no.2.



- Bull. Soc. Roy. Bot. Belg. (cont.)  
Verplancke, G.  
Sur une forme nouvelle de la "bigarrure",  
maladie á virus filtrant de la pomme de terre.  
Bull. Soc. Roy. Bot. Belg. 66(II,16): 107-121.  
illus., pl.i. 1934. no.2.  
New disease of type of "acropetal necrosis".
- Bull. Techn. & Sci. Serv. Min. Agr. Egypt (24Eg93)  
Fikry, A.  
The gumming and death of plum trees. Bull.  
Techn. & Sci. Serv. Min. Agr. Egypt 141. 35 p.  
xii pl. 1934.  
Physiological.  
Water-table effects I.
- Jones, G. H.  
Control of barley diseases. I. Closed smut.  
Bull. Techn. & Sci. Serv. Min. Agr. Egypt 142. 19 p.  
viii pl. 1934.
- Sirag-el-Din, A.  
Citrus gummosis in Egypt. Bull. Techn. & Sci.  
Serv. Min. Agr. Egypt 131. 44 p. illus., xiv pl.  
(i-ix fold., part. col.) 1934.
- Bull. Trim. Off. Rég. Agr. Midi France (14F849)  
Long, J.  
Etude sur les blés au centre national d'experi-  
mentation du Midi le Merie, par Salon (B.-du-Rh.)  
(Campagne 1931-1932). Bull. Trim. Off. Rég.  
Agr. Midi France 1934: 267-293. O.1934. no.52.
- Cactus & Succ. Journ. (Los Angeles) (45LC11)  
Sturtevant, R. S.  
Descriptions of varieties Pt.VI. Bull. Amer.  
Iris Soc. 53: 24-43. O.1934. no.4.
- Baxter, E. M.  
Grusonia santamaria, new species. Cactus &  
Succ. Journ. 6: 60-61. illus. O.1934. no.4.
- Poindexter, R. W.  
New garden species. III. Cactus & Succ. Journ.  
6: 51-52. illus. O.1934. no.4.
- Swuste, F.  
Genus Lithops. III. The cultivation of Lithops.  
Cactus & Succ. Journ. 6: 57-59. O.1934. no.4.



Cactus & Succ. Journ. (cont.)

Walther, E.

Echeveria hybrids. Cactus & Succ. Journ.  
6: 53-56. illus. O.1934. no.4.  
A. With Pachyphytum.

Calif. Citrogr. (Los. Angeles) (80C125)

Klotz, L. J. & Fawcett, H. S.

Valencia rind spot. Calif. Citrogr. 20: 4.  
illus. N.1934. no.1.

Canad. Journ. Res. (Ottawa) (330.9C16C)

Cormack, M. W.

On the invasion of roots of Medicago and Meli-  
lotus by Sclerotinia sp. and Plenodomus meliloti  
D. and S. Canad. Journ. Res. 11: 474-480.  
pl. O.1934. no.4.

Johnston, W. H.

Studies on the dehulling of barley kernels  
with sulphuric acid and on the inheritance of  
reaction to covered smut Ustilago hordei (Pers.)  
K. & S. infection in crosses between Glabron and  
Trebil barleys. Canad. Journ. Res. 11: 458-473.  
illus. O. 1934. no.4.

Pratt, H.

On a method for measuring the resistance of  
vegetal tissues. Canad. Journ. Res. 11: 448-457.  
illus. O.1934. no.4.

Claytonia (Lynchburg, Va.) (450C57)

Massey, A. B.

Early Virginia botany - John Banister.  
Claytonia 1: 28-29. O.1934. no.3.

Massey, A. B.

Virginia clubmosses and quillworts. Claytonia  
1(2): 1-5. Ag.1934.

Wherry, E. T.

Further notes on three plants mentioned in  
Claytonia vol.1, no.1. Claytonia 1(2): 7-8.  
Ag.1934.

Iris virginica, Pogonia affinis. Parnassia  
asarifolia.

Wherry, E. T.

Heuchera hispida Pursh. Claytonia 1: 25-  
28. O.1934. no.3.



Compt. Rend. Soc. Biol. Paris (442.9P21)

Jonesco, S.

Sur le mécanisme de pollinisation dans les fleurs de *Tropaeolum majus*. Compt. Rend. Soc. Biol. Paris 117: 126-128. illus. 1934. no.28.

Contr. Boyce Thomp. Inst. Plant Res. (451B69)

Backus, M. P.

Initiation of the ascocarp and associated phenomena in *Coccomyces hiemalis*. Contr. Boyce Thomp. Inst. Plant Res. 6: 339-379. illus. Jl./S. 1934. no.3.

Beale, H. P.

The serum reactions as an aid in the study of filterable viruses of plants. Contr. Boyce Thomp. Inst. Plant Res. 6: 407-435. Jl./S.1934. no.3.

Bourn, W. S.

Sea-water tolerance of *Vallisneria spiralis* L. and *Potamogeton foliosus* Raf. Contr. Boyce Thomp. Inst. Plant Res. 6: 303-308. Jl./S.1934. no.3.

Denny, F. E.

Starch determination methods involving solubility in acids. Contr. Boyce Thomp. Inst. Plant Res. 6: 381-393. Jl.S.1934. no.3.

Experiments with leaves of *Salvia splendens*, *Juglans nigra*, *Lycopersicon esculentum* and others.

Farr, W. K. & Eckerson, S. H.

Separation of cellulose particles in membranes of cotton fibers by treatment with hydrochloric acid. Contr. Boyce Thomp. Inst. Plant Res. 6: 309-313. illus. Jl./S.1934. no.3.

Farr, W. K. & Sisson, W. A.

X-Ray diffraction patterns of cellulose particles and interpretations of cellulose defraction data.

Contr. Boyce Thomp. Inst. Plant Res. 6: 315-321. illus. Jl.S. 1934. no.3.

Experiments with cotton fibers.

Giersbach, J.

After-ripening and germination of Cottoncaster seeds. Contr. Boyce Thomp. Inst. Plant Res. 6: 325-338. illus. Jl.S.1934. no.3.



Contr. Boyce Thomp. Inst. Plant Res. (cont.)

Guthrie, J. D.

Metabolism of citric, sulphuric, and nitric acid in the potato tuber, an explanation for the high pH of the juice of tubers treated with ethylene chlorhydrin. Contr. Boyce Thomp. Inst. Plant Res. 6: 247-268. Jl./S.1934. no.3.

Miller, L. P.

The effect of the alkyl halides on the respiration of potato tubers. Contr. Boyce Thomp. Inst. Plant Res. 6: 279-296. Jl./S.1934. no.3.

Thornton, N.C.

Carbon dioxide storage. VI-VII. Contr. Boyce Thomp. Inst. Plant Res. 6: 395-402, 403-405. Jl./S. 1934. no.3.

VI. Lowering the acidity of fungal hyphae by treatment with carbonic acid. VII. Changes in flower color as evidence of the effectiveness of carbon dioxide in reducing the acidity of plant tissue.

Youden, W. J. & Beale, H. P.

A statistical study of the local lesion method for estimating tobacco mosaic virus. Contr. Boyce Thomp. Inst. Plant Res. 6: 437-454. Jl./S.1934. no.3.

Zimmerman, P. W. & Connard, M. H.

Reversal of direction of translocation of solutes in stems. Contr. Boyce Thomp. Inst. Plant. Res. 6: 297-302. illus. Jl./S.1934. no.3.

Contr. Plant Path. Lab. Bot. Dept. Univ. Nanking (464.9N15)

Yu, T. F.

Notes on the storage and market diseases of fruits. I. Contr. Plant Path. Lab. Bot. Dept. Univ. Nanking no.25. 12 p. illus. [1934]  
Largely citrus.

Costa Azzurra Agr.-Flor. (Sanremo) (16082)

Calvino, M.

Nomenclatura orticola. Costa Azzurra Agr.-Flor. 14: 225-227. S.1934. no.9.



Current Science (Bangalore) (475Sci23)

Joshi, A. C. & Ramon Rao, V. V.

Fruit and seed development in *Tinospora cordifolia* Miers without fertilisation and embryo formation inside. Current Science 3: 62-63. Ag.1934. no.2.

Maheshwari, P. & Gupta, B. L.

The development of the female gametophyte of *Ludwigia parviflora*, Roxb. and *Jussieua repens*, Linn. Current Science 3: 107-108. illus. S.1934. no.3.

Maheshwari, P.

The Indian mango. Current Science 3: 97-98. S.1934. no.3.

Mallik, P. F.

Development of roots from the petiole of *Ficus religiosa* leaf. Current Science 3: 105-106. illus. S.1934. no.3.

Mihra, R.D.

Survey of commercial Indian cottons. Current Science 3: 95-96. S.1934. no.3.

Sahni, B.

Dr. S. K. Mukerji, F.L.S. (1896-1934). Current Science 3:102-105. port. S.1934. no.3.

Sahni, B.

Exembryonate seeds. Current Science 3: 109-110. S.1934. no.3.

Singh, B.N. & Gupta, S. C. D.

Permeability of protoplasm - a probable factor in transpiration. (Being a study of transpiration response under ultra-violet radiation). Current Science 3: 50-52. Ag.1934. no.2.

Curt. Bot. Mag. (450C94)

Curt. Bot. Mag. v.157, pt.4. Col.pl.9370-9380. O.1,1934.

*Tulipa kuschkenensis*, *Pieris formosa* var. *forrestii*, *Muscari cynaeo-violaceum*, *Viburnum alni-folium*, *Azara lanceolata*, *Rhododendron Bachii*, *Maxillaria fucata*, *Agathosma perdita*, *Iris kashmiriana*, *Megaskepasma erythrochlamys*, *Ranunculus asiaticus* var. *abbiflorus*.



Deut. Landw. Presse (Berlin) 18D482)  
Lüdecke, H.

Jarowisations-versuche mit zuckerrüben. I-  
Deut. Landw. Presse 61: 481-482. S.29,1934. no.39.

Ecology (Brooklyn, N.Y.) (410Ec7)  
Lutz, H. J.

Concerning a geological explanation of the  
origin and present distribution of the New Jersey  
pine barren vegetation. Ecology 15: 399-406.  
illus. (maps) 0.1934. no.4.

Nichols, G. E.

The influence of exposure to winter tempera-  
tures upon seed germination in various native  
American plants. Ecology 15: 364-373. 0.1934.  
no.4.

Weaver, J. E. & Flory, E. L.

Stability of climax prairie and some environ-  
mental changes resulting from breaking. Ecology  
15: 333-347. 0.1934. no.4.

Wherry, E. T.

Temperature relations of the bunchberry, *Cornus  
canadensis* L. Ecology 15: 440-443. 0.1934. no.4.

Ernähr. Pflanze (Berlin) (57.8Er6)  
Kornfeld, A.

Die bedeutung des kaliums für die ölbohne  
(*Glycine hispida* Moench.) Ernähr. Pflanze 30:  
335-343. illus. 0.15, 1934. no.20.

Field Mus. Nat. Hist. Leaflet. (500C432L)  
Standley, P. C.

Common weeds. Field Mus. Nat. Hist. Leaflet. 17.  
31. p. illus. 1934.

Flor. Exch. (N.Y.) (80F666)  
Allen, R. C.

Factors affecting doubleness in stocks, tested  
in experiments. Flor. Rev. 75(1925): 13-15.  
0.18, 1934.

Zimmerman, P. W. & Hitchcock, A. E.

*Gerberas* prove hardy in New York. Flor.  
Exch. 83 (16): 18. illus. 0.20, 1934.

Flor. Rev. (Chicago) (80W41)

Plants for the hardy garden. Flor. Rev.  
75(1925): 22. 0.18, 1934.

*Hutchinsia*, *Muscari*, *Cordyialis lutea*, *Asclepias  
incarnata alba*.



Formosan Agr. Rev. (J22.5F76)

Yatomi, T.

Some observations on the resistance of the plant body and the fruit against the storm, with special reference to the resistance of the floral organ of the Shikikitsu orange (*Citrus microcarpa* Bunge) in each stage of development. Formosan Agr. Rev. 1934: 836-846. S.1934. no.334.

Japanese with English résumé: p.845-846.

Gard. Chron. (London) (80G162)

Bancroft, H.

Notes on the status and nomenclature of the British elms. III-IV. Gard. Chron. III,96: 208-209, 244. illus. S.22, O.6, 1934. no.2491. 2493.

III. The Cornish elm. IV, Elms generally accepted as hybrids.

Creasy, L. B.

*Corylopsis gotoana*, Makino. Gard. Chron. III, 96: 244-245. O.6, 1934. no.2493.

*Gentiana siro-orata* x *G. veitchiorum*. Gard. Chron. III, 96: 285. O.20, 1934. no.2495.

*Gentiana stevensensis*, By Frank Barker; *G. wellsiana*, By B.O. Mulligan (both names for the hybrid claiming priority).

Harland, S. C.

A note on breeding for scent in roses. Gard. Chron. III, 96: 284. O.20, 1934. no.2495.

Nelmes, W.

*Escallonias*. Gard. Chron. III.96: 211-212. S.22, 1934. no.2491.

Nicholson, C.

Colour variation in collected plants. Gard. Chron. III,96: 248-249. O.6, 1934. no.2493. O.20, 1934.

Ward, F. K.

Mr. F.Kingdon Ward's twelfth expedition in Asia. IV-VI. Gard. Chron. III,96: 192-193, 246-247, 282-283. illus. S.15, O.6, 20, 1934. no.2490-2493, 2495.



Gard. Chron. (cont.)

Windlemere, F. G.

*Epachys columnifera* (?) Gard. Chron. III,  
96: 244. O.6, 1934. no.2493.

Propagation of dahlias by leaf-bud cuttings.

Gard. Chron. III,96: 284. O,20,1934. no.2495.

Gard. Chron. Amer. (80G1632)

Colby, J. A.

Plant hunting in Polynesia. Gard. Chron.  
Amer. 38: 328-330. illus. S.1934. no.11.

DeBevoise, F.

Western plants in eastern gardens. Gard. Chron.  
Amer. 38: 323-324. N.1934. no.11.

Gard. Illus. (London) (80G1697)

Flegg, O. D.

Botanical exploration in China (cont.)  
Gard. Illus. 56: 614-615. O.13,1934. no.2901.

Miss Ellen Willmott, V.M.H. Gard. Illus.

56: 595. port. O.6, 1934. no.2900.

Died Sept.27,1934 at age of 74.

Helvetica Chim. Acta (Basel) (385H36)

Müller, A.

Die oberflächenspannung der ätherischen öle  
zugleich ein beitrag zur frage der entstehung der  
ätherischen öle in der pflanze. Helvetica Chim.  
Acta 17: 1135-1142. O.1934. no.5.

Tschirch, A.

Ueber arbeitsteilung im chemismus der höheren  
pflanzen. Helvetica Chim. Acta 17: 992-996.  
O. 1934. no.5.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)

Kögl, F., Haagen-Smit, A. J. & Erxleben, H.

Ueber den einfluss der auxine auf das wurzel-  
wachstum und über die chemische natur des auxins  
der graskoleoptilen. Hoppe-Seyl. Zeitschr. Phys.  
Chem. 228: 104-112. illus. O.3, 1934. no.1/2.

12. Mitteilung über pflanzliche wachstumsstoffe.



v.16, no.22, p. 20.

Hoppe-Seyl. Zeitschr. Phys. Chem. (cont.)

Kögl, F., Haagen-Smit, A.J., & Erxleben, H.

Ueber ein neuss auxin (hetero-auxin) aus harn.

Hoppe-Seyl. Zeitschr. Phys. Chem. 228: 90-103.

O.3, 1934. no.1/2.

II. Mitteilung über pflanzliche wachstumsstoffe.

Journ. Agr. Res. (Washington, D.C.) (1Ag84J)

Brink, R. A. & Albrecht, H. R.

Genetics of resistance to bacterial wilt in alfalfa. Journ. Agr. Res. 49: 635-642. O.1, 1934(Rec'd O.29) no.7.

Crane, H. L. & Hardy, M. B.

Interrelation between cultural treatment of pecan trees, the size and degree of filling of the nuts, and the composition of kernels. Journ. Agr. Res. 49: 643-661. O.1, 1934(Rec'd O.29) no.7.

Larson, R. H.

Wound infection and tissue invasion by Plasmodiophora brassicae. Journ. Agr. Res. 49: 607-624. illus. O.1, 1934(Rec'd O.29) no.7.

Powers, L.

The nature and interaction of genes differentiating habit of growth in a cross between varieties of Triticum vulgare. Journ. Agr. Res. 49:573-605. O.1, 1934(Rec'd O.29) no.7.

Sieglinger, J. B., Swanson, A. F. & Martin, J. H.

Inheritance of awn development in sorghums. Journ. Agr. Res. 49: 663-668. illus. Oct.1, 1934(Rec'd O.29) no.7.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) 4Am34P)

Bissey, R. & Butler, O.

Effect of applications of sodium chlorate and ammonium thiocyanate on subsequent sowings of wheat. Journ. Amer. Soc. Agron. 26: 838-846. illus. O.1934. no.10.

Hulbert, H. W. & Whitney, G. M.

Effect of seed injury upon the germination of Pisum sativum. Journ. Amer. Soc. Agron. 26: 876-884. illus. O.1934. no.10.



Journ. Amer. Soc. Agron. (cont.)

Hulbert, H. W., Spence, H. L. & Benjamin, L. V.  
The eradication of *Bepidium draba*. Journ.  
Amer. Soc. Agron. 26:858-864. O.1934. no.10.

Kulkarni, L. G.

Correlated inheritance with special reference  
to disease resistance in spring wheat. Journ.  
Amer. Soc. Agron. 26: 885-893. O.1934. no.10.

Leukel, R. W. & Stanton, T. R.

Effect of seed treatments on yield of oats.  
Journ. Amer. Soc. Agron. 26: 851-857. O.1934  
no.10.

Smith, F. L.

Pale, an hereditary chlorophyll deficiency  
in beans. Journ. Am r. Soc. Agron. 26: 893-897.  
O.1934. no.10.

Tingey, D. C.

The comparative cost and effectiveness of  
tillage and of chlorates in the control of morning  
glory, Canada thistle, and perennial sow thistle.  
Journ. Amer. Soc. Agron. 26: 864-876. O.1934.  
no.10.

Journ. Arnold Arb. (Cambridge, Mass.) (451Ar6J)

Hatch, A. B.

A culture chamber for the study of mycorrhizae.  
Journ. Arnold. Arb. 15: 358-365. illus., pl.118.  
O. 1934. no.4.

Kerr, T. & Bailey, I. W.

The cambium and its derivative tissues. X.  
Structure, optical properties and chemical composi-  
tion of the so-called middle lamella. Journ.  
Arnold Arb. 15: 327-349. illus., pl.110-113.  
O. 1934. no.4.

McKelvey, S. D.

A verification of the occurrence of *Yucca*  
*whipplei* in Arizona. Journ. Arnold. Arb. 15: 350-  
352. pl.114.-117. O.1934. no.4.

Rehder, A.

Notes on the ligneous plants described by Leveille  
from eastern Asia. (cont.) Journ. Arnold Arb. 15:  
267-326. O. 1934. no.4.



Journ. Arnold. Arb. (cont.)

Whitaker, T. W.

A karyo-systematic study of *Robinia*. Journ.  
Arnold Arb. 15: 353-357. illus. O.1934. no.4.

Journ. Bot. (London) (450J82)

Armitage, E.

Mistletoe on holly. Journ. Bot. 72: 283.  
O. 1934. no.862.

Becherer, A

Publication of the generic name *Vitaliana*.  
Journ. Bot. 72: 292-293. O.1934. no.862.

Borthwick, A. W.

[Presidential address, Botanical section, British  
association]. Journ. Bot. 72: 283-291. O.  
1934.

Abridged.

British museum (National history) Department of  
botany Herbarium.

Notes from the British museum herbarium.  
Journ. Bot. 72: 279-282. O.1934. no.862.

*Cleome welwitschii*, *Xylopia mendonae*, *Banksia*  
*ashbyi*, *B. burdetti* n.spp.

Grove, W. B.

Mycological notes. VII. Journ. Bot. 72: 265-  
271. illus. O.1934. no.862.

Obermeijer, A. A.

Revision of the South African species of  
*Earleria*. Addenda and corrigenda. Journ. Bot.  
72: 275-278. O.1934. no.862.

Puglsey, H. W.

New Variety of *Verbascum nigrum* L. Journ. Bot.  
72: 278-279. O.1934. no.862.  
var. *bracteosum*.

Rendle, A. B.

David McArdle, (1849-1934). Journ. Bot. 72:  
282. O.1934. no.862.

Ridley, H. N.

New Malayan Rubiaceae.(cont.) Journ. Bot. 72:  
271-275. O.1934. no.862.



Journ. East Africa & Uganda Nat. Hist. Soc. (410.9En72)  
Jex-Blake, M.

Kenya flowers as garden plants. Journ. East  
Africa & Uganda Nat. Hist. Soc. 49/50 (Ap./Jl.1933):  
225-234. Jl.1934.

Napier, E. R.

Botanical notes. Journ. East Africa &  
Uganda Nat. Hist. Soc. 49/50 (Ap./Jl.1933):218-  
224. vi pl. Jl.1934.  
On flora of Kenya.

Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo (107.6J273J)  
Ito, H.

The chemical investigation of some Gramineae  
oils. Journ. Fac. Agr. Hokkaido Imp. Univ. Sapporo  
37: 1-40. illus. Ag.1934. no.1.

Journ. Hered. (Washington) (442.8Am3)

Blakeslee, A. F. & Avery, A. G.

Three genes located in the 21.22 chromosome  
of the Jimson weed. Journ. Hered. 25: 393-404.  
illus. O.1934. no.10.

Waller, A. E.

Iris twins. Journ. Hered. 25: 405. illus.  
O.1934. no.10.

Journ. Jamaica Agr. Soc. (Kingston) (8J823)

McKay, U. T.

Treatment of Panama disease, one-root system.  
Journ. Jamaica Agr. Soc. 38: 550-552. S.1934. no.9.

Journ. N.Y. Bot. Gard. (89N48J)

Alexander, E. J.

Collecting seeds of alpine from the peaks  
of the White Mountains. Journ. N.Y. Bot. Gard  
35. 221-223. illus. O.1934. no.418.

Teuscher, H.

After-effects of the winter. Journ. N.Y. Bot.  
Gard. 35: 217-221. illus. O.1934. no.418.

Journ. Pharm. Soc. Japan (J396.9P49)

Hayashi, K.

Colouring matters of the corolla of *Rhododen-  
dron obtusum* f. *hinode*. I. The isolation of quercetin.  
Journ. Pharm. Soc. Japan 53: 232-235. O.1933. no.10.



Journ. Pharm Soc. Japan (cont.)

Munesada, T. & Hayashi, M.

Ueber die pharmakognostische untersuchung der wurzeln von einiger Cynanchum-arten. Journ. Pharm. Soc. Japan 53: 241-247. illus. N.1933. no.11.

Nakasaki, T.

Untersuchungen über die glucoside der flavonreihe von weissen blüten. III. Ueber die bestandteile von Trifolium repens, L. Journ. Pharm. Soc. Japan 53: 238-241. N.1933. no.11.

Segi, S.

Ueber die pharmakognostische untersuchung der zitwerblüten. Journ. Pharm. Soc. Japan 53: 264-267. illus. D.1933. no.12.  
Curcuma zedoaria.

Terasaka, M.

Untersuchungen der alkaloide der wurzelrinde von Oriza japonica, Thunb. III. Journ. Pharm. Soc. Japan 53: 219-221. O.1933. no.10.

Journ. Pomol. & Hort. Sci. (London) (80J825)

Berkeley, G. H. & Lauder-Thomson, I.

Root rots of strawberry in Britain. The "black lesion" type of strawberry root rot. Journ. Pomol. & Hort. Sci. 12: 222-246. illus. 3. pl. O.1934. no.3.

Karmarkar, D. V.

The seasonal cycles of nitrogenous and carbohydrate materials in fruit frees. I. Journ. Pomol. & Hort. Sci. 12: 177-221, diags. O.1934. no.3.

Journ. Soc. Trop. Agr. Japan. (Taiwan) (26Sol3)

Goto, K.

Onion rusts of Japan. III. Biometrical studies on uredio- and teliospores. Journ. Soc. Trop. Agr. Japan 6: 44-53. Mr.1934. no.1.

Hosokawa, T.

Phytogeographical relationship between the Bonin and the Marianna Islands laying stress upon the distributions of the families, genera and special species of their vernacular plants. I. Journ. Soc. Trop. Agr. Japan 6: 201-209. illus. (map) Je.1934. no.2.



Journ. Soc. Trop. Agr. Japan. (cont.)

Kanchira, R. & Sasaki, S.

An enumeration of Formosan trees in the Taihoku herbarium. IX. Journ. Soc. Trop. Agr. Japan 6: 12-16. Mr. 1934. no.1.

Nakamura, M.

On the triploidy of "kimchiamchahhi" (*Hemerocallis disticha*, Donn.) Journ. Soc. Trop. Agr. Japan 6: 7-11. illus. Mr.1934. no.1.

Japanese with English summary.

Okabe, N.

Bacterial diseases of plants occurring in Formosa. IV. Journ. Soc. Trop. Agr. Japan 6: 54-63. illus. Mr.1934. no.1.

Ohno, S.

Ueber den pektinstoffe von *Hibiscus sabdariffa* L. Journ. Soc. Trop. Agr. Japan 6: 103-105. Mr.1934. no.1.

Japanese.

Sata, T.

An enumeration of Formosan *Ficus*. I-II. Journ. Soc. Trop. Agr. Japan 6:17-28, 195-200. Mr., Je., 1934. no.1,2.

Shibuya, K. & Saeki, H.

The effect of vanadium on the growth of plants. I. Journ. Soc. Trop. Agr. Japan 6: 64-73. Mr.1934. no.1.

Japanese with English summary.

Suzuki, M.

Frost damage of sugar-cane field in Formosa. Journ. Soc. Trop. Agr. Japan 6: 131-143. illus. Je.1934. no.2.

Japanese with brief English summary.

Terada, S. & Horio, S.

On the mutating snaky cotton plant. Journ. Soc. Trop. Agr. Japan 6: 4-6. illus. Mr.1934. no.1.

Japanese with English summary.

Journ. Washington Acad. Sci. (500W276J)

Berry, E. W.

Extension of range of *Attalea olsoni*. Journ. Washington Acad. Sci. 24: 447-448. illus. O.15, 1934. no.10.



Journ. Washington Acad. Sci. (cont.)

Blake, S. F.

New Asteraceae from Guatemala collected by  
A.F. Skutch. Journ. Washington Acad. Sci. 24:  
432-443. illus. O.15, 1934. no.10.

Includes *Alepidocline* gen.nov. (A.annua)

Leonard, E. C.

The American species of *Elytraria*. Journ.  
Washington Acad. Sci. 24: 443-447. illus. O.15,  
1934. no.10.

*E. tuberosa* n.sp.

Kakteenk. Deut. Kakteen-Ges. (451D482)

Baum, H.

Kakteen am heimatlichen standort. 5-6.

Kakteenk. Deut. Kakteen-Ges. 1934: 187-188.  
illus. O.1934. no.10.

5. *Echinocactus rafaëllensis* Purp., *Mammillaria*  
*candida* Scheidw. und *Echinocereus leptacanthus* K.  
Schum. 6. *Cereus euphorbioides* Haw.

Bödeker, F.

*Mammillaria saetigera* Böd. & Tieg., sp.n.

Kakteenk. Deut. Kakteen-Ges. 1934: 190-191.  
illus. O.1934. no.10.

Roeder, W. v.

Ist es möglich, für unsere kakteen und anderen  
sukkulenten deutsche namen zu prägen und einzubür-  
gern? Kakteenk. Deut. Kakteen-Ges. 1934: 184-  
187. O.1934. no.10.

Werdermann, E.

*Echinocereus viereckii* Werd. nov.spec.

Kakteenk. Deut. Kakteen-Ges. 1934: 183-189.  
illus. O.1934. no.10.

Kranke Pflanze (Dresden) (464.8K86)

Esmarch, F.

Blatt- und fruchtkrankheiten der walnuss.

Kranke Pflanze 11: 117-119. col.pl. O.1934.  
no.10.

*Gnomonia leptostyla*, *Gloeosporium epicarpium*,  
*Pseudomonas juglandis*.

Kaven, G.

Krankheiten und schädlinge an *Rhododendron*.

Kranke Pflanze 11: 123-126. O.1934. no.10.



Lingnan Sci. Journ. (Canton, China) (22.5016)

Howe, M. A.

Some marine algae of the Shantung peninsula.  
Lingnan Sci. Journ. 13: 667-670. illus. O.1,  
1934. no.4.

Loh, T. C.

An improved method for the control of seed-  
borne diseases of rice. Lingnan Sci. Journ.  
13: 603-605. O.1, 1934. no.4.

McClure, F. A.

The Lignan university fifth Hainan Island expedi-  
tion. Lingnan Sci. Journ. 13: 163-170. pl.13.  
Ja.27,1934. no.1.

McClure, F. A.

The Lignan university sixth and seventh Hainan  
expeditions. Lingnan Sci. Journ. 13: 577-601.  
pl. 58-61. O.1, 1934. no.4.

Mem. Coll. Agr. Kyoto Imp. Univ. (107.6R994)

Nishiyama, I.

The genetics and cytology of certain cereals.  
VI. Chromosome behavior and its bearing on inheri-  
tance in triploid *Avena* hybrids. Mem. Coll. Agr.  
Kyoto Imp. Univ. 32. 157 p. illus., iv pl.  
Jl. 1934.

Mem. Soc. Cubana Hist. Nat. (Habana) (410.9Sol5)

Bonazzi, A.

Estudios sobre fisiología del arroz. (cont.)  
Mem. Soc. Cubana Hist. Nat. 8: 189-200. illus.  
O.25, 1934. no.4.

León, H.

El género *Melocactus* en Cuba. Mem. Soc. Cubana  
Hist. Nat. 8: 201-208. pl.10. O.1934. no.4.  
*M. acuña*, *M. matanzanus*, *M. guitarti* n.spp.

Mém. Soc. Sci. Nat. Maroc. (515SolM)

Emberger, L. & Maire, R.

Tableau phytogéographique du Maroc. I.  
Mém. Soc. Sci. Nat. Maroc 38. 187 p. illus.  
(maps), xvi pl. My.15, 1934.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Kohl, P. A.

Some new and noteworthy *Narcissus*. Missouri  
Bot. Gard. Bull. 22: 173-176. pl.50-51. O.1934.  
no.8.



Mitt. Bad. Landesver. Naturk. u. Natursch. Freiburg (410.9B14)  
Oberdorfer, E.

Die felsspaltenflora des südlichen schwarzwaldes. Neufunde von den kaiserwachtfelsen (Höllental). Mitt. Band. Landesver. Naturk. u. Natursch. Freiburg n.f., 3; 1-14. F.15, 1934. no.1/2.

Zimmermann, W.

Badische volksnamen von pflanzen. IV. (concl.)  
Mitt. Bad. Landesver. Naturk. u. Natursch. Freiburg n.f., 2: 290-295, 301-312. 1933. no.22,23.

Mitt. Landw. (Berlin) (18D48M)

Clausen, H.

Weissende oder urbarmachungskrankheit. Mitt. Landw. 49: 919-920. illus. O.20,1934. no.42.

Mus. & Art Notes Vancouver City Mus. (517V28)

Wailles, G. E.

Freshwater dinoflagellates of North America.  
Mus. & Art Notes Vancouver City Mus. v.7, suppl.11.  
10 p. iv pl. S. 1934.

Nat. Hort. Mag. (Washington, D.C.) (81N219)

Croizat, L.

Notes on tree-hardiness. Nat. Hort. Mag. 13: 356-359. O.1934. no.4.

Fairchild, D.

The Utovana eugenia. A shrub from the Gold Coast of west Africa; new to cultivation. Nat. Hort. Mag. 13: 351-355. illus. O.1934. no.4.

Eugenia coronata.

Giuseppi, P. L.

The wild Sierras of Spain and their plants.  
Nat. Hort. Mag. 13: 309-313. O. 1934. no.4.

Henry, M. G.

Collecting plants beyond the frontier in northern British Columbia. IV. Nat. Hort. Mag. 13: 363-383. illus. O.1934. no.4.

McKelvey, S. D.

Arctomecon californicum. Nat. Hort. Mag. 13: 349-350. illus. O.1934. no.4.

Stoke, H. P.

Blight resistant Oriental chestnuts in the eastern United States. Nat. Hort. Mag. 13: 360-362. illus. O.1934. no.4.



Nat. Hort. Mag. (cont.)

The Royal botanic garden Edinburg, Scotland.

Nat. Hort. Mag. 13: 327-341. illus. O.1934.  
no.4.

In a series of pictures.

Nat. Hist. (N.Y.) (500N483J)

Geithmann, H.

A forest of the past. One of the natural wonders of the western world is the petrified forest of Arizona, in which are trees of a vastly ancient age, turned in the almost endless years that have passed, to quartz. Nat.Hist. 34: 653-661.  
illus. N.1934. no.7.

Naturaliste Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne.  
(cont.) Naturaliste Canad. 61: 262-268. O.  
1934. no.10.

Nature (London) (472N21)

Barnes, T. C.

Alleged stimulation of moulds by paraffin in heavy water. Nature 134: 573-574. O.13, 1934.  
no.3389.

Tutin, T. G.

The fungus on *Zostera marina*. Nature 134:  
573. O.13, 1934. no.3389.

Naturforsch. (Berlin) (410N219)

Kufferath, A.

Pflanzenzucht bei neonzusatzlicht. Naturforsch.  
11: 252-254. illus. O.1934. no.7.

New Phytol. (London) (450N42)

Godwin, H.

Pollen analysis, an outline of the problems and potentialities of the method. I. New Phytol.  
33: 278-305. illus. O.12, 1934. no.4.

Ingold, C. T.

The spore discharge mechanism in *Basidiobolus ranarum*. New Phytol. 33: 274-277. illus.  
O.12, 1934. no.4.



New Phytol. (cont.)

McLean, R. C.

Substitution staining with free dye acids and dye bases. New Phytol. 33: 316-317. 0.12, 1934. no.4.

Pal, N. L.

Studies on the respiration of conjugating Spirogyra with special reference to fat metabolism. New Phytol. 33: 241-273. illus. 0.12, 1934. no.4.

Thompson, J. McL.

Comments on recent statements regarding the nature and origin of the angiospermic stigma.

New Phytol. 33: 306-315. 0.12, 1934. no.4.

Refers to Dr. H.H. Tomas' article "The nature and origin of the stigma".

New Zealand Journ. Agr. (Wellington) (23N48J)

Aston, B. C.

Live-stock poisoning in New Zealand, I.

New Zeal. Journ. Agr. 49: 150-155. S.20, 1934. no.3.

Neill, J.C., Brien, R.M. & Chamberlain, E. E.

"Sore-shin": a virus disease of blue lupins.

New Zeal. Journ. Agr. 49:139-146. illus. So.20, 1934. no.3.

Reid, W. D.

Production of wilt-free beans. New Zeal. Journ. Agr. 49: 164-169. illus. S.20, 1934. no.3.

Leonard Cockayne. New Zeal. Journ. Agr. 49: 161-163. port. S.20, 1934. no.3.

North West. Nat. (Arbroath, Scotland) (410N81)

Murray, J.

Cumberland mosses. (cont.) North West. Nat.

9: 281-282. S.1934. no.3.

Oesterr. Bot. Zeitschr. (Wien) (4500s7)

Cholnoky, B.v.

Ueber bau und entwicklung der alge Chaetopeltis orbicularis. Oesterr. Bot. Zeitschr. 83: 187-213. illus. S.10, 1934. no.3.

Handel-Mazzetti, H.

Kleine beiträge zur kenntnis der flora von

China.IV. Oesterr. Bot. Zeitschr. 83: 233-237. illus. S.10, 1934. no.3.



Oesterr. Bot. Zeitschr. (cont.)

Rosenkranz, F.

Beiträge zur phänologie Oesterreichs.

Oesterr. Bot. Zeitschr. 83: 214-227. S.10,  
1934. no.3.

Schiffner, V.

Die entstehungsbedingungen von protonema und  
adventivsprossen an organen und fragmenten von  
bryophyten. Oesterr. Bot. Zeitschr. 83: 228-232.  
S.10, 1934. no.3.

Schmid, G.

Die chrysomonadengattungen Kephyrion, Pseudo-  
kephyrion, Kephyriopsis und Stencalys in gewässern  
bei Wien. Oesterr. Bot. Zeitschr. 83: 161-172.  
illus. S.10, 1934. no.3.

Zach, F.

Untersuchungen über einige neue arten der  
gattung Scopulariopsis Bainier. Oesterr. Bot.  
Zeitschr. 83: 173-186. illus. S.10, 1934. no.3.

Ohio Journ. Sci. (Columbus) (4100h3)

Chapman, F. B.

The algae of the Urbana (Ohio) raised bog.

Ohio Journ. Sci. 34: 327-332. illus. S.1934.  
no.5.

Schaffner, J. H.

Studies in determinate evolution. VIII. Duplicate  
evolution of peculiar perianth structures in the  
sedge family and the composites. Ohio Journ.  
Sci. 34: 307-315. pl.i-iv. S.1934. no.5.

Tiffany, L. H.

The Oedogoniaceae. Supplementary paper number  
one. Ohio Journ. Sci. 34: 323-326. S.1934. no.5.

Orchidee (Bandoeng) (800r18)

Schmidt, K.

Een succesvolle orchideeën jacht in de  
Philippijnen. III. Orchidee (Bandoeng) 3: 232-  
235. S. 1934. no.9.

Phytopath. (464.8P56)

American phytopathological society - Pacific division.  
Report of 18th annual meeting [with abstracts  
of papers]. Phytopath. 24: 1134-1149. O.1934.  
no.10.



Phytopath. (cont.)

Brown, N. A.

A fungus gall on Viburnum mistaken for crown gall. Phytopath. 24: 1119-1120. illus. O. 1934. no.10.

Cotter, R. U.

White pycnia and aecia of *Fuccinia graminis*. Phytopath. 24: 1121-1122. O. 1934. no.10. Found on barberry.

Dufrénoy, J. & Shapovalov, M.

Cytological changes in the callus of the graft union in connection with curly top in tomatoes. Phytopath. 24: 1116-1118. illus. O.1934. no.10.

Holmes, F. O.

Increase of tobacco-mosaic virus in the absence of chlorophyll and light. Phytopath. 24: 1125-1126. O. 1934. no.10.

Koch, K.

Aphid transmission of potato yellow dwarf. Phytopath. 24: 1126-1127. O. 1934. no.10.

Mehrlich, F. P.

Medium for growth of pythiaceous fungi. Phytopath. 24: 1127-1128. O.1934. no.10. Maltose malt for *Phytophthora* species.

Nagel, C. M.

Conidial production in species of *Cercospora* in pure culture. Phytopath. 24: 1101-1110. illus. O.1934. no.10.

Stanley, W. M.

Chemical studies on the virus of tobacco mosaic. I. Some effects of trypsin. Phytopath. 24: 1055-1085. illus. O.1934. no.10.

Suit, R. F.

The wedge graft as a means of controlling over-growths at the union of nursery apple trees. Phytopath. 24: 1086-1100. illus. O.1934. no.10.

Takahashi, W. N. & Rawlins, T. E.

Application of stream double refraction in the identification of streak disease of tomato. Phytopath. 24: 1111-1115. O. 1934. no.10.



Phytopath. (cont.)

White, R. P.

Mercury ammonium silicate as a *Gladiolus* corm treatment. *Phytopath.* 24: 1122-1124. O. 1934. no.10.

White, R. P.

The effect of mosaic on bloom production of the Talisman rose. *Phytopath.* 24: 1124-1125. O. 1934. no.10.

Pharm. Acta Helv. (Zürich) (396.8P4933)

Stoll, A.

Ueber scilla- und digitalisglucoside. *Pharm. Acta Helv.* 9: 145-168. O.13, 1934. no.9.

Philipp. Journ. Sci. (Manila) (475P53)

Zingg, R. M.

American plants in Philippine ethnobotany. *Philipp. Journ. Sci.* 54: 221-274. Je.1934. no.2.

Proc. Canad. Phytop. Soc. (Ottawa)

Dickson, J. G.

Studying the effect of environment upon the development of parasitic diseases and selecting for disease resistance present problems in co-operation in research. *Proc. Canad. Phytopath. Soc.* 2(1931): 13-24. illus. 1932.

Fraser, W.P. & Ledingham, G. A.

Studies of the crown rust, *Puccinia coronata corda*. *Proc. Canad. Phytopath. Soc.* 2(1931): 56-66. pl. 1932.

Godbout, F. L. & Coulson, J. G.

Quebec orchard spray service. *Proc. Canad. Phytopath. Soc.* 2(1931): 36-42. illus.(map) 1932.

Gordon, W.L. & Welsh, J.N.

Oat stem rust investigations in Canada. *Proc. Canad. Phytop. Soc.* 2(1931): 28-35. 1932.

Greaney, F. J.

Experiments on the control of oat rusts by sulphur dust. *Proc. Canad. Phytop. Soc.* 2(1931): 77-85. illus. 1932.

Hildebrand, A. A.

Ginseng root rots. *Proc. Canad. Phytop. Soc.* 2(1931): 66. 1932.  
Abstract. "Rust" and disappearing rot (?*Ramularia*)



Proc. Canad. Phytop. Soc. (cont.)

Hockey, J. F.

Gravenstein spot scald. Proc. Canad. Phytop. Soc. 2(1931): 25-27. illus. 1932.

Howitt, J. E.

Apple orchard spray service in Ontario. Proc. Canad. Phytop. Soc. 2(1931): 43-46. 1932.

Mead, H. W.

Studies of methods for the isolation of fungi from wheat roots and kernels. Proc. Canad. Phytop. Soc. 2(1931): 47-55. pl. 1932.

Sallans, B. J.

Methods of inoculation of wheat with Helminthosporium sativum P.K. and B. Proc. Canad. Phytop. Soc. 2(1931): 96-108. illus. 1932.

Sanford, G. B.

On treating seed potatoes for the control of common scab. Proc. Canad. Phytop. Soc. 2(1931): 67-76. 2 pl. 1932.

Simmonds, P. M. & Sallans, B.J.

Further studies on amputations of wheat roots in relation to diseases of the root system. Proc. Canad. Phytop. Soc. 2(1931): 86-95. illus. 1932.

Proc. K. Akad. Wetensch. Amsterdam. (503Am8P)

Blaauw, A. H.

Temperatuur en tijd van de bloemaanleg bij bol-irissen. (Die temperatur und die zeit der blütenanlage bei der holländischen zwiebel-iris). Proc. K. Akad. Wetensch. Amsterdam 36: 644-653. illus. 1933. no.6.

German summary.

Bottelier, H. P.

Ueber den einfluss des lichtes auf die protoplasmaströmung von Avena. Proc. K. Akad. Wetensch. Amsterdam 36: 790-795. 1933. no.8.

Dijkman, M. J.

A quantitative analysis of the geotropical curvature in dicotyledons. Proc. K. Akad. Wetensch. Amsterdam 36: 749-758. illus. 1933. no.7.



Proc. K. Akad. Wetensch. Amsterdam. (cont.)

Florschütz, F.

Palaeobotanisch onderzoek van jong-pleistocene afzettingen in het oosten van overijssel. (Paläobotanische untersuchungen and jungdiluvialen sedimenten im Ostem der Niederlande). Proc. K. Akad. Wetensch. Amsterdam 37: 297-301. pl. My.1934. no.5.

German summary.

Hartsema, A. M. & Luyten, I.

De invloed van lage temperaturen op het snelle strekken en bloeien van *Convallaria majalis*. I-II. (Der einfluss niederer temperaturen auf die streckungsfähigkeit von *Convallaria majalis*. I-II). Proc. K. Akad. Wetensch. Amsterdam 36: 120-127, 210-216. pl. 1933. no.1,2.

German summary: p.126-127, 215-216.

Heyn, A. N. J.

Die plastizität der zellmembran unter einfluss von wuchsstoff. Proc. K. Akad. Wetensch. Amsterdam 37: 180-182. Mr.1934. no.3.

Vorläufige mitteilung.

Heyn, A. N. J.

X ray investigations of the cellulose in the wall of young epidermis cells. Proc. K. Akad. Wetensch. Amsterdam 36: 560-565. pl. 1933. no.5.

Luyten, I. & Blaauw, A. H.

De snelle bloei van *Iris tingitana*. (The rapid-flowering of *Iris tingitana*). Proc. K. Akad. Wetensch. Amsterdam 37: 132-139. pl. Mr.1934. no.3.

English summary.

Reinders, D. E.

The sensibility for light of the base of normal and decapitated coleoptiles of *Avena*. Proc. K. Akad. Wetensch. Amsterdam 37:308-315. My.1934. no.5.

Weevers, T.

Die bildung aromatischer stoffe und terpene in der pflanze. Proc. K. Akad. Wetensch. Amsterdam 27: 183-188. Mr. 1934. no.3.



Proc. K. Akad. Wetensch. Amsterdam. (cont.)

Weij, H. G. van der

On the occurrence of growth substance in  
marine algae. Proc. K. Akad. Wetensch. Amsterdam  
36: 759-760. 1933. no.7.

Weij, H. G. van der

Ueber wuchsstoff bei *Elaeagnus angustifolius*.  
Proc. K. Akad. Wetensch. Amsterdam 36: 760-761.  
1933. no.7.

Proc. Linn. Soc. N.S.W. (Sydney) (514Sy2)

Fraser, L.

An investigation of the sooty moulds of New  
South Wales. I. Historical and introductory account.  
Proc. Linn. Soc. N.S.W. 58: 375-395. D.15, 1933.  
no.5/6(249/250).

Fraser, L.

The Mycetozoa of New South Wales. Proc.Linn.  
Soc. N.S.W. 58: 431-436. D.15, 1933. no.5/6(249/250)

Messmer, P. R.

A new species of *Pterostylis*. Proc. Linn.  
Soc. N.S.W. 58: 429-430. illus. D.15, 1933.  
no.5/6(249/250).

*Pterostylis pulchella*.

Rupp, H. M. R.

The genus *Pterostylis* R.Br. [Orchidaceae].  
A new scheme of classification, with notes on the  
distribution of the Australian species. Proc.  
Linn. Soc. N.S.W. 58: 421-428. illus. D.15,  
1933. no.5/6(249/250).

Proc. Ohio Veg. Grow. Assoc. (75.90h3)

Howlett, F. S.

Why do over-vegetative tomato plants fail to  
set fruit? Proc. Ohio Veg. Grow. Assoc.  
19(1934): 40-45. 1934.

Mahoney, C. H.

What the plant breeder can and should do for  
the vegetable grower. Proc. Ohio Veg. Grow.  
Assoc. 19(1934): 48-59. 1934.

Muncie, J. H.

History and development of potato diseases.  
Proc. Ohio Veg. Grow. Assoc. 19(1934): 128-139.  
1934.



Proc. Ohio Veg. Grow. Assoc. (cont.)

Pierstorff, A. L.

Potato scab control demonstrations in 1933.

Proc. Ohio Veg. Grow. Assoc. 19(1934): 154-156.  
1934.

Thomas, R. C.

The present status of Stewart's disease or  
bacterial wilt of sweet corn. Proc. Ohio Veg.  
Grow. Assoc. 19(1934): 97-103. 1934.

Tilford, P. E.

Potato tuber discoloration. Proc. Ohio Veg.  
Grow. Assoc. 19(1934): 109-112. 1934.

Wilson, J. D.

Some detrimental effects of Bordeaux mixture  
on plants. Proc. Ohio Veg. Grow. Assoc.  
19(1934): 33-39. 1934.

Proc. Roy. Soc. Ser. B. (London) (501L84B)

Leach, W. & Dent, K. W.

Researches on plant respiration. III. The  
relationship between the respiration in air and in  
nitrogen of certain seeds during germination. (a).  
Seeds in which fats constitute the chief food re-  
serve. Proc. Roy. Soc. Ser. B.116: 150-169.  
O.1, 1934. no.797.

Proc. Utah Acad. Sci. (500Ut1)

Coe, F. M.

Cherry pollination studies in Utah. Proc.  
Utah Acad. Sci. 11:175-176. 1934.

Coe, F.M. & Gerber, R. G.

Preliminary studies of the after-ripening and  
germination of cherry seeds. Proc. Utah Acad.  
Sci. 11: 185-187. 1934.

Richards, B. L.

Frost-banding of cereal seedlings. Proc.  
Utah Acad. Sci. 11: 3-9. pl. i-iii. 1934.

Quart. Journ. Micros. Sci. (London)

Jane, F. W.

The structure of the somatic chromosomes of  
Alstroemeria and Bomarea. Quart. Journ. Micros.  
Sci. 77: 49-75. illus., pl.2-4. S.1934. no.1.



Rec. Trav. Bot. Néerl. (Amsterdam) (451N28R)

Bottelier, H. P.

Ueber den einfluss äusserer faktoren auf die  
protoplasmaströmung in der Avena-koleoptile.

Rec. Trav. Bot. Néerl. 31: 474-582. 0.1934. no.3/4.

Bungenberg de Jong, H.G. & Hennemann, J. P.

Preliminary experiments on the influence of  
neutral salts on the germination of Lathyrus-pollen.

Rec. Trav. Bot. Néerl. 31: 743-750. 0.1934.  
no.3/4.

Danser, B. H.

Miscellaneous notes on Loranthaceae 7-8.

Rec. Trav. Bot. Neerl. 31: 751-760. 0.1934.  
no.3/4.

7. Loranthaceae from Mount Kinabalu, collected  
by Joseph and Mary Strong Clemens in 1931, 1932,  
and 1933. 8. The genus Korthalsella in the Dutch  
East Indies.

Griffioen, K.

A study on the dark coloured duramen of ebony.

Rec. Trav. Bot. Néerl. 31: 780-809. illus.  
0.1934. no.3/4.

Laan, P. A. van der

Der einfluss von aethylen auf die wuchsstoff-  
bildung bei Avena und Vicia. Rec. Trav. Bot.

Néerl. 31: 690-742. illus. 0.1934. no.3/4.

Lanjouw, J.

Notes on Guiana Euphorbiaceae. Rec. Trav.

Bot. Néerl. 31: 451-465. illus. 0.1934. no.3/4.

Pijl, L. van der

Die mycorrhiza von Burmannia und Epirrhizanthes  
und die fortpflanzung ihres endophyten. Rec. Trav.

Bot. Néerl. 31: 761-779. illus. 0.1934. no.3/4.

Posthumus, O.

Notes on Guiana ferns. Rec. Trav. Bot. Néerl.

31: 466-473. 0.1934. no.3/4.

Wassink, E. C.

Begrenzende bedingungen bei der atmung von

Phycomyces. Rec. Trav. Bot. Néerl. 31: 583-690.

illus. 0.1934. no.3/4.



Rec. Trav. Bot. Neerl. (cont.)

Weij, H.G. v.d.

Der mechanismus des wuchsstofftransportes. II.

Rec. Trav. Bot. Neerl. 31: 810-857. illus.  
O.1934. no.3/4.

Repert. Spec. Nov. Fedde (Berlin) (450R29)

Bormüller, J.

Drei neue arten der gattungen Jurinea, Althaea  
und Statice aus der flora des nördlichen und süd-  
östlichen Persien. Repert. Spec. Nov. Fedde  
36(Repert. Europ. & Med. 4,16/18): 166-171. S.25,  
1934. no.7/11.

Jurinea gabrielae, Althaea tiliacea, Statice  
gabrielii.

Gyelnik, V.

Additamenta ad cognitionem parmeliarum. V.

Repert. Spec. Nov. Fedde 36(Repert. Europ. & Med.  
4,16/18): 151-166. S.25, 1934. no.7/11.

Knuth, R.

Dioscoreaceae novae. VII. Repert. Spec. Nov.

Fedde 36: 125-128. S.25, 1934. no.7/11.

Mansfeld, R.

Gesneriaceae novae andinae. I. Repert, Spec.

Nov. Fedde 36: 120-124. S.25, 1934. no.7/11.

Range, P.

Die flora des Namalandes. V. Repert. Spec.

Nov. Fedde 36: 97-109. S.25, 1934. no.7/11.

Schwarz, O.

Additamentum ad florulam Lydiae. II. Repert.

Spec. Nov. Fedde 36(Repert. Europ. & Med. 4,16/18):  
129-150. S.25, 1934. no.7/11.

Smith, J. J.

Orchidaceae novae Malayenses. XV. Repert.

Spec. Nov. Fedde 36: 110-119. S.25, 1934. no.7/11.

Rev. Jard. Bot. y Mus. Hist. Nat. Paraguay. (451As9)

Fiebrig, C.

Ensayo fitogeográfico sobre el Chaco Boreal.

Rev. Jard. Bot. y Mus. Hist. Nat. Paraguay 3: 3-87.  
illus. (1 col.) 1933.



Rev. Jard. Bot. y Mus. Hist. Nat. Paraguay (cont.)

Fiebrig, C.

Formulas fitogeograficas. Rev. Jard. Bot. y  
Mus. Hist. Nat. Paraguay 3: 89-95. 1933.

Fiebrig, C.

El problema de sinbiosis fito-mirmacofila.  
Rev. Jard. Bot. y Mus. Hist. Nat. Paraguay 3: 114-  
120. 1933.

Fiebrig, C.

El problema del latex. Rev. Jard. Bot. y  
Mus. Hist. Nat. Paraguay 3: 105-113. fold.chart.  
1933.

Fiebrig, C.

Las variedades de yerba. Rev. Jard. Bot. y  
Mus. Hist. Nat. Paraguay 3: 96-104. 7 pl. 1933.

Rev. Sudamer. Bot. (Montevideo) (450R3242)

Grabovetzky, A.

Notes sur la systématique de plusieurs espèces  
américaines de Nicotiana. Rev. Sudamer. Bot. 1:  
43-55. illus. Ap.1934. no.2.

Looser, G.

Grancisco Fuentes, Febrero 6 de 1934, en  
Aysén (Chile). Rev. Sudamer. Bot. 1: 61. Ap.  
1934. no.2.

Zahlbruckner, A.

Un liquen nuevo del cerro de Montevideo  
Lecanora (Eulecanora) herteri A. Zahlbr. n.sp.  
Rev. Sudamer. Bot. 1: 56. Ap.1934. no.2.

Zimmermann, W.

Blutenbewegungen sudamerikanischer vertreter  
der orchideengattung Epidendrum. Rev. Sudamer.  
Bot. 1: 33-42. illus. Ap.1934. no.2.

Cristobal M. Hicken. Rev. Sudamer. Bot. 1:  
61-63. port. Ap.1934. no.2.

Died Mr.11, 1933.

Rev. Vitic. (Paris) (95.8R322)

Viala, P. & Marsias, P.

Le court-noué (cont.) Rev. Vitic. 81:  
229-235. illus. 0.11, 1934. no.2102.



Science (470Sci2)

Birkeland, J. M.

Photodynamic action of methylene blue on plant viruses. Science 80: 357-358. 0.19, 1934. no.2077.

"... in general plant viruses are more resistant to the photodynamic action of dyes than are animal viruses or bacteriophage".

Castle, E. S.

The spiral growth of single cells. Science 80: 362-363. 0.19, 1934. no.2077.  
In Phycomyces.

Peirce, A. S.

Positive infection trials with elm "wilt" fungi. Science 80: 385. 0.26, 1934. no.2078.  
With strains of Coniothyrium A & B and Phoma B.

Pessin, L. J.

Effect of flower production on rate of growth of vegetative shoots of longleaf pine. Science 80: 363-364. 0.19, 1934. no.2077.

Taylor, W. A.

Karl Frederic Kelleman. Science 80: 373-374. 0.26, 1934. no.2078.

Proteins in the leaves of plants depends on the amount of sunshine the plant receives...  
Science v.80, no.2078, suppl. p.7. 0.26, 1934.

Scient. Agr. (Ottawa) (7Sci2)

Hill, H., Davis, M. B. & Johnson, F. B.

Nutritional studies with chrysanthemums. Scient. Agr. 15: 110-125. illus., col.pl. 0.1934. no.2.

Koch, L. W.

Investigations on black knot of plums and cherries. II. The occurrence and significance of certain fungi found in association with Dibotryon morbosum (Sch.) T. & S. Scient. Agr. 15: 80-95. iii pl. 0.1934. no.2.

Sci. Rep. Tohoku Imp. Univ., 4. Ser. (Biol. (Sendai) (513T574Ab)

Okada, Y.

Sur le poids des spores chez quelques fougères Japonaises. Sci. Rep. Tohoku Imp. Univ., 4 Ser. (Biol.) 9: 249-251. S.1934. no.2/3.



So. African Sugar Journ. (Durban) (65.8So8)

McMartin, A.

The locust fungus. Its artificial cultivation.

So. African Sugar Journ. 18: 521, 523. S.30,  
1934. no.9.

Techn. Bull. Macdonald Coll. (101M143)

Newton, D. E. & Stobbe, P. C.

The relation of flora to soil types in the  
counties of Chateauguay, Huntingdon and Argenteuil  
in Quebec. Techn. Bull. Macdonald Coll. 14.

47 p. illus. Ag.1934.

Pasture studies V.

Tidsskr. Planteavl. (København) (11T439)

Denmark, Statens plantepatologiske forsg.

Plantesygdomme i Danmark 1933 (Plant diseases  
and pests in Denmark 1933). Tidsskr. Planteavl.  
2: 258-300. illus. 1934. no.40.

English summary: p.299-300.

Trans. Nat. Hist. Soc. Formosa (J410.9M19)

Fujita, Y.

Remarks concerning the genus *Orthodon* (Labi-  
atae) in Formosa. Trans. Nat. Soc. Formosa 24:  
46-53. ii pl. F.1934. no.130.

Japanese.

Fujita, Y.

On the essential oils of the genus *Chamaecyparis*.  
Trans. Nat. Hist. Soc. Formosa 24: 54-57.

F.1934. no.130.

Japanese.

Simada, Y.

Plants of Senkyakuseki virgin forests in Shinchi-  
ku coast strand. (cont.) Trans. Nat. Hist. Soc.  
Formosa 24: 58-111. F.1934. no.130.

Japanese with English summary: p.104-105.

Trudy Inst. Nov. Lubian. Syr'ia [Trans. Inst. New Bast Fibers]  
(Moskva) (73.9M85)

Fedchenko, E. A.

K voprosu o sistematike kandyria [On the systema-  
tics of kendir, *Apocynum sibiricum*] Trudy Inst.

Nov. Lubian. Syr'ia [Trans. Inst. New Bast Fibers]  
5: 13-19. 1933.

Russian (English abstract on inserted sheet)



Trudy Inst. Nov. Lubiân. Syr'ia [Trans. Inst. New Bast Fibers]  
(cont.)

Kazakevich, L. I., Kir'ianov, A.P., Kuzin, V.N. &  
Kuz'min, M. S.

Kendyr v doline reki Khary [Kendir in the Khara  
river valley] Trudy Inst. Nov. Lubiân. Syr'ia  
[Trans. Inst. New Bast Fibers] 5: 34-55. illus.  
1933.

Russian (English abstract on inserted sheet)

Medvedeva, G. B.

K tsitologii konopli (Zur zythologie des hanfes)  
Trudy Inst. Nov. Lubiân. Syr'ia [Trans. Inst. New  
Bast Fibers] 6(1): 34-54. illus. 1934.

Russian with German summary. Abweichungen in der  
pollenentwicklung bei italienischen hanf.

Trudy Prikl. Bot., Gen. i Selek. Ser. A, Sotsial. Rast. (Bull.  
Appl. Bot., Gen. & Plant-breed. Ser.A, Social. Plant  
Ind.) (451R92S)

Ivanov, S.M.

K voprosu upravleniia rostovymi protsessami u  
rastenii (A contribution to the question of controlling  
the processes of growth in plants). Trudy Prikl.  
Bot., Gen. i Selek. Ser.A, Sotsial. Rast. (Bull. Appl.  
Bot., Gen. & Plant-breed. Ser.A, Social. Plant Ind.)  
9: 33-39. 1934.

Russian.

Khrebtov, A. A.

Novoe kormovoe rastenie - kozliatnik vestochnyi  
(*Galega orientalis* Lam.) (A new forage plant, goat's  
rue). Trudy Prikl. Bot., Gen. i Selek. Ser.A,  
Sotsial, Rast. (Bull. Appl. Bot., Gen. & Plant-breed.  
Ser.A, Social. Plant Ind.) 9: 157-161. 1934.

Russian.

Kostov, D.

Poligenomnye gibridy u tabakov (Polygenoumous  
hybrids in tobacco). Trudy Prikl. Bot., Gen. i  
Selek. Ser.A, Sotsial. Rast. (Bull. Appl. Bot., Gen.  
& Plant-breed. Ser.A, Social Plant Ind.) 9: 145-150.  
1934.

Russian.

Lisitsyn, M. A.

K poznaniiu stroeniia proteinov (A contribution to  
the knowledge of the structure of proteins). Trudy  
Prikl. Bot., Gen. i Selek. Ser.A, Sotsial Rast. (Bull.  
Appl. Bot., Gen. & Plant-breed. Ser.A, Social. Plant.  
Ind.) 9: 5-16. 1934.

Russian.



Trudy Prikl. Bot., Gen. i Selek. Ser.A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-Breed. Ser.A, Social. Plant Ind.) (cont.)

Medvedev, P. F.

K biologii razvitiia i tsveteniia rami (On the biology of the flowering and development of ramie). Trudy Prikl. Bot., Gen. i Selek. Ser.A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser.A, Social. Plant Ind.) 9: 123-135. illus. 1934. Russian.

Timofeeva, M. T.

K fiziologicheskoi kharakteristike morozoustoichivosti ozimyykh zlakov (Physiological characteristics of frost resistance in winter cereals). Trudy Prikl. Bot., Gen. i Selek. Ser.A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser.A, Social Plant Ind.) 9: 17-24. 1934. Russian.

Zvorykin, P. P.

K metodike selektsii krasnogo klevera (Methodics of breeding red clover). Trudy Prikl. Bot., Gen. i Selek. Ser.A, Sotsial. Rast. (Bull. Appl. Bot., Gen. & Plant-breed. Ser.A, Social. Plant Ind.) 9: 41-53. illus. 1934. Russian.

Trudy Tsentr. Nauchno-Issled.Inst. Sakharn. Prom. Moskva (66.9M85) Belousov, M.A.

Dal'neishie opyty po vliianiiu bora na rost sakharnoi svekly i drugikh rastenii (Weitere versuche zur aufklarung des einflusses von bor auf das wachstum von zuckerruber und von andern pflanzen). Trudy Tsentr. Nauchno-Issl.Inst. Sakharn. Prom. Moskva 18: 20-48. illus. 1934.

Russian with brief German summary.

Liubarskaia, L. S.

Azotnyi obmen v prorostkakh svekly v zavisimosti ot ammiachnogo i nitratnogo pitaniia (Stickstoffwechsel in zuckerrubenkeimlingen und seine abhangingkeit von der ernahrung mit ammoniak und nitraten). Trudy Tsentr. Nauchno-Issl. Inst. Sakharn. Prom. Moskva 18: 81-134. illus. 1934.

Russian with German summary.



Trudy Tsentr. Nauchno-Issled. Inst. Sakharn. Prom. Moskva (cont.)  
Peterburgskii, A. V.

Izuchenie reaktsii sredey kak faktora rosta rastenii (Die reaktion als wachstums faktor der pflanzen auf böden von verschiedener pufferwirkung).

Trudy Tsentr. Nauchno-Issl. Inst. Sakharn. Prom.  
Moskva 18: 223-289. illus. 1934.

Russian with German summary.

Uchenye Zapiski Saratov. Gosud. N.G. Chernysh. Univ. (Gelehr.  
Notiz. Saratover Staats Univ. N.G. Tschernieschewsky)  
(511Sa7)

Fursaev, A. D.

Rastitel'nost' severoi chasti Sarpinskikh ozer (Nizime-volzhsksii kraj) (Die flora des nördlichen teils der Szarpinsker seen (Nieder-Volgagebiet)

Uchenye Zapiski Saratov. Gosud. N.G. Chernysh. Univ. (Gelehr. Notiz. Saratover Staats Univ. N.G. Tschernieschewsky) 10(2): 61-80. 1933.

Russian.

Sukhorukov, K. T. & Drushinina, A. G.

Rol efirnykh i zhirnykh masel v okislitel'no-vosstanovitel'noi sisteme rastitel'noi kletki (Die rolle des ather- und fettöls im oxydationreduktionssystem der pflanzenzelle). Uchenye Zapiski Saratov. Gosud. N.G. Chernysh. Univ. (Gelehr. Notiz. Saratover Staats Univ. N.G. Tschernieschewsky) 10(2): 81-94. 1933.

Russian.

U.S. Dept. Agr. Leaflet. (1Ag84L)

Lauritzen, J. I. & Harter, L.L.

Prevent storage rots of sweetpotatoes. U.S.

Dept. Agr. Leaflet. 106. 5 p. illus. S.1934.

U.S. Dept. Agr. Plant Dis. Rep. (1.9F69F)

Beattie, R. K.

Dutch elm disease in Indiana. U.S. Dept.

Agr. Plant Dis. Rep. 18: 166-167. 0.15, 1934. no.13.

Boyd, O. C.

Weather and disease in Massachusetts. U.S.

Dept. Agr. Plant Dis. Rep. 18: 163-165. 0.15, 1934. no.13.

Miller, P. R.

A method of estimating the percentage of infection of apple leaves by rust with observations on the relative susceptibility of species and varieties of Malus and Juniperus. U.S. Dept.

Agr. Plant Dis. Rep. 18: 159-163. illus. 0.15, 1934. no.13.



U.S. Dept. Agr. Plant Dis. Rep. (cont.)

Miller, P. R.

Weather as a factor contributing to some unusual plant disease losses in Tennessee - 1934.

U.S. Dept. Agr. Plant Dis. Rep. 13:165-166.

O.15, 1934. no.13.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)

Senner, A. H.

Application of steam in the sterilization of soils. U.S. Dept. Agr. Techn. Bull. 443.

19 p. illus. Ag.1934.

Univ. Calif. Publ. Agr. Sci. (Berkeley)

Babcock, E. B. & Cameron, D. E.

Chromosomes and phylogeny in *Crepis*. II.

The relationships of one hundred eight species.

Univ. Calif. Publ. Agr. Sci. 6: 287-324. illus.

O.11, 1934. no.11.

Cameron, D. R.

The chromosomes and relationship of *Crepis syriaca* (Burm.) Univ. Calif. Publ. Agr. Sci.

6: 257-285. illus., pl. 12-13. O.11, 1934. no.10.

Univ. Calif. Publ. Bot. (Berkeley) (500C125B)

Clarke, A. E.

The number and morphology of chromosomes in the genus *Melilotus*. Univ. Calif. Publ. Bot.

17: 435-443. illus. O.9, 1934. no.15.

La Vida Agr. (Lima) (9.8V66)

Fontes, P.

El barbaso o cube. La Vida Agr. 11: 629-638. illus. Ag. 1934. no.129.

Tantaleán, C.

Importancia de la roya amarilla en los departamentos de Junin y Huancavelica. La Vida Agr. 11: 659-666. Ag.1934. no.129.

Watson's Micros. Rec. (London) (440.8W33)

Harris, G. T.

The Oedogoniales. III. Watson's Micros. Rec. 33: 8-10. pl. iii. S.1934.

Roberts, E. W.

The non-silicious basis of diatom structures.

Watson's Micros. Rec. 33: 12-13. illus. S.1934.



Zeitschr. Bot. (Jena) (450Z32)

Schander, H.

Keimungsphysiologische studien über die bedeutung der aleuronschicht bei *Oryza* und anderen gramineen. Zeitschr. Bot. 27: 433-515. illus. 1934. no.9/10.

Zeitschr. Pflanzenkr. (Stüttgart) (464.8Z3)

Müller, E.

Die anfälligkeit der hauptgetreidearten gegenüber *Ophiobolus graminis* Sacc. Zeitschr. Pflanzenkr. 44: 481-485. O.1934. no.10.

Der Züchter (Berlin) (442.8Z8)

Engelke, H.

Die göttinger weizenqualitätsprüfungsmethode und ihre bedeutung für die weizenqualitätszüchtung. Der Züchter 6: 200-205. illus. S.1934. no.9.

Oehler, E.

Die ausnutzung von art- und gattungsbastarden in der weizenzüchtung. Der Züchter 6: 205-211. illus. S.1934. no.9.

Vettel, F. & Pelshenke, P.

Können wir ertragreiche qualitätsweizen züchten? Der Züchter 6: 193-199. illus. S.1934. no.9.

Wakar, B. A.

Bastarde zwischen arten der gattung *Triticum* und arten der gattung *Agropyrum*. Der Züchter 6: 211-215. illus. S.1934. no.9.

Exp. Stat. Publ.

Brown, J. G. & Streets, R. B.

Diseases of field crops in Arizona. Arizona Agr. Exp. Stat. Bull. 148: 85-228. illus. S. 1934. (100Ar4)

Bourne, B. A.

Studies on the ring spot disease of sugarcane. Florida Agr. Exp. Stat. Bull. 267. 76 p. illus, My. 1934(Rec'd Oct.) (100F66S)

Morrison, G., Drewes, H. & Coulter, H.N.

Cabbage varieties. Michigan Agr. Expt. Sta. Spec. Bull. 249. 68 p. illus. Ag.1934 (100M58S)



Exp. Stat, Publ. (cont.)

Haenseler, C. M.

Control of dewberry anthracnose by spraying.  
New Jersey Agr. Exp. Stat. Bull. 574. 12 p.  
Je. 1934(Rec'd O.) (100N46S)

New Jersey Agricultural experiment station - Dept.  
of plant pathology.

The beech bark disease. In its Nursery Dis.  
Notes 7: 14-17. O.1934. (464.9N46)

Collison, R. C. & Harlan, J. D.

Winter injury of Baldwin apple trees and its  
relation to previous tree performance and nutrition-  
al treatment. New York Agr. Exp. Stat. Bull. 647.  
13 p. J1.1934 (100N48)

Utah agricultural experiment station.

Botany and plant pathology. In its Bull.  
250(Summary report of progress 1932/34): 36-43.  
S.1934. (100Utl)

B.L. Richards, botanist and plant pathologist.

Lutman, B. F.

Cell size and structure in plants as affected  
by various inorganic elements. Vermont Agr. Exp.  
Stat. Bull. 383. 54 p. illus. S.1934(100V59)

Experiments with Japanese millet, rape, buck-  
wheat and garden beets.

Baker, K. F. & Heald, F. D.

Investigations on methods of control of the  
blue-mold decay of apples. Washington Agr. Exp.  
Sta. Bull. 304. 32 p. J1.1934(100W27E)

Doneen, L. D.

Nitrogen in relation to composition, growth,  
and yield of wheat. Washington Agr. Exp. Stat.  
Bull.296. 71 p. illus. My.1934(100W27E)

Beath, O. A., Draize, J.H. & Gilbert, G.S.

Plants poisonous to livestock. Wyoming Agr.  
Exp. Stat. Bull.200. 84 p. illus. My.1934.  
(Rec'd O.) (100W99)

General discussion. I. Plants in which the toxic  
minerals do not seem to be of special significance.  
II. Plants in which the poisonous properties seem  
to be influenced by the content of toxic minerals.  
III. Plants which are sometimes poisonous to domes-  
tic animals.



State Publications.

Ball, W. S. & Bellue, M. K.

Nut grasses. Month. Bull. Dept. Agr. Calif.  
23: 182-184. col.front. Jl./S. 1934(2C12M)  
Cyperus esculentus, C. rotundus.

Milbrath, D. G.

Plant diseases in California. (cont.)  
Month. Bull. Dept. Agr. Calif. 23: 197-200.  
Jl./S. 1934. no.7/9. (2C12M)

Weldon, G. P.

Fifteen years study of delayed foliation of  
deciduous fruit trees in southern California.  
Month. Bull. Dept. Agr. Calif. 23: 160-181. illus.  
Jl./S. 1934. (2C12M) no.7/9.

New Books.

Arber, A.

The Gramineae. A study of cereal, bamboo and  
grass. Cambridge University press, 1934(463.4Arl)

Buchwald, N. F. & Hansen, S.

Om fund af tøndersvamp (Polyporus fomentarius  
(L.) Fr.) fra postglacialtiden i Danmark. København,  
C.A. Reitzels forlag, 1934. Danmarks geologiske  
undersøgelse. IV. Raekke, bd.2, nr.11)  
English summary: p. at end.

Falck, R. & Ketkar, V.

Prüfungen und schutzwertbestimmung der feuer-  
schutzmittel des holzes. Jena, G. Fischer, 1934  
(His Hausschwammforschungen 11.h.) (464.07M73no.11)

Gavalov, I.

Materialy k poznaniu vreditelei i boleznei sel'-  
sko-khoziaistvennykh rastenii Adygeiskoi oblasti  
[Pests and diseases of economic plants in the  
Adigeisk region]. Krasnodar, Izdanie Adygeiskoi  
oblastnoi planovoi komissii, 1932. (464G23)  
Russian.

Geaisa, M. I.

Die beziehungen zwischen dem vorkommen von  
saponin und der systematischen gliederung einiger  
gattungen der ranunculaceen... Berlin, Doktordruck,  
Graphisches Institut P. Funk, 1934 (463.2G26)  
Inaug-diss. Berlin.



New Books. (cont.)

Gitman, L. & Boïchenko, E.

Spravochnik po bolezniãam novykh lubiãanykh kul'tur Handbook of diseases of new bast fiber plants. Moskva, 1934. (464.04644)

Russian.

Hettinger, M. D., sister,

Penicillium zukaii Biourge. A study of its morphology and physiology. Washington, D.C., 1934. (Contribution from the Biological laboratory of the Catholic University of America, no.15) (462.82H47)

Kutepow, A.

Beitrag zur kenntnis der atmungsvorgänge an reinkulturen höherer pflanzen. Würzburg, K.

Triltsch, 1934. (463.34K965)

Inaug.-diss. Berlin.

Maisel, H. J.

Untersuchungen über den pflanzenbestand von wiesen und weiden des staatsgutes Weihenstephan, sowie der bezirke Kaufbeuren und Tirschenreuth. München, 1933 (60.1M282)

Genehmigte abhandlung - Techn. hochschule München.

Translations filed in Bureau of Plant Industry Library.

Bolle, P.C.

De onderscheiding van gomziekte en daarop gelijkend verschijnselen (On distinguishing the gumming disease from similar phenomena) Arch. Suikerind. Nederl. Indië 1934(1): 331-334. My.16, 1934.

Braun, H.

Der wurzeltoter der kartoffel, Rhizoctonia solani. Berlin, 1930.

Transl. of portion on Resistance, immunity and virulence.

Bremer, G.

De cytologie van het suikerriet 7. bijdrage. Een cytologisch onderzoek van een vijftigtal in 1929-1930 op Java geïmporteerde rietsoorten (On cytology of the sugar cane 7th contribution. Cytological investigation on some fifty cane forms imported in Java in 1929-30) Arch. Suikerind. Nederl. Indië 1934, pt.2 (Meded.5): 141-166. 1934.



lc

# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

LIBRARY  
RECEIVED  
★ DEC 4 1934 ★  
U. S. Department of Agriculture

Vol. 16, no. 23.

Nov. 5-17, 1934.

Admin. Rep. Dir. Agr. Trinidad & Tobago (8T732)  
Stell, F.

Report of the mycologist, 1933. Ad in. Rep.  
Dir. Agr. Trinidad & Tobago 1933: 43-45. 1934.

Agr. Gaz. N.S.W. (Sydney) (23N472)

McCleary, F. C.

Melanose of citrus fruits. Agr. Gaz. N.S.W.  
45: 564-566. illus. O.1934. no.10.

Amer. Journ. Bot. (450Am36)

Hemenway, A. F.

An anatomical study of traumatic and other  
abnormal tissues in *Carnegiea gigantea*. Amer.  
Journ. Bot. 21: 513-518. illus. N.1934. no.9.

London, R. H.

The effect of certain chemicals on the catalase  
activity in plants. Amer. Journ. Bot. 21: 583-  
591. illus. N.1934. no.9.

Ludwig, C. A.

Do germinating willow cuttings fix atmospheric  
nitrogen? Amer. Journ. Bot. 21: 557-561. N.  
1934. no.9.

Marshak, A.

Chromosomes and compatibility in the Aloinae.  
Amer. Journ. Bot. 21: 592-596. illus., pl.  
N.1934. no.9.

Nelson, A.

Rocky Mountain herbarium studies. II.  
Amer. Journ. Bot. 21: 573-582. N.1934. no.9.



Amer. Journ. Bot. (cont.)

Pessin, L. J.

Annual ring formation in *Pinus palustris* seedlings. Amer. Journ. Bot. 21: 599-603. 2 pl. N. 1934. no.9.

Stoudt, H. N.

Gemmipary in *Byrnesia weinbergii*. Amer. Journ. Bot. 21: 562-572. illus. N.1934. no.9.

Swingle, D. B.

Fertilization in *Ascodesmis nigricans* Van Tiegh. Amer. Journ. Bot. 21: 519-541. 2 pl. N. 1934. no.9.

Tschudy, R. H.

Depth studies on photosynthesis of the red algae. Amer. Journ. Bot. 21: 546-556. N. 1934. no.9.

Amer. Journ. Pharm. (Philadelphia) (396.8Am3)

Griffith, I.

John Uri Lloyd. Amer. Journ. Pharm. 106: 363-368. ports. O.1934. no.10.

Stoneback, W. J.

*Rhus toxicodendron* (poison ivy). Amer. Journ. Pharm. 106: 374-381. illus. O.1934. no.10.

Amer. Nat. (470Am36)

Shull, G. H.

*Oenothera mut. pollicata*, an interesting new mutation. Amer. Nat. 68: 481-490. illus. N./D. 1934. no.719.

Anal. Inst. Biol. Mexico (442.9M57)

Bishop, A. S.

Contribucion al conocimiento de las algas verdes de los lagos del Valle de Mexico. Anal. Inst. Biol. Mexico 5: 149-177. viii. pl. 1934. no.2.

Bravo, H.

Las cactaceas entre los antiguos Mexicanos. Anal. Inst. Biol. Mexico. 5: 139-148. illus. 1934. no.2.

Ann. Épiph. (Paris) (464.9F84)

Barthelet, J.

Sur une pourriture des poires due à un champignon non discomycète *Phacidiella discolor* (Mout. et Sacc.) Poteb. Ann. Épiph. 19: 357-368. illus., iii., 1 pl. My. 24, 1934. no.6.



- Ann. Scient. Univ. Jassy. (475J31)  
Oescu, C.V. & Radulescu, I. M.  
Erysiphacées recueillies dans la dépression  
de la Rivière Jijia. Ann. Scient. Univ. Jassy  
18: 443-456. 1933.
- Oescu, C. V. & Radulescu, I. M.  
Péronosporacées récoltées dans la dépression  
de la Rivière Jijia. II. Ann. Scient. Univ.  
Jassy 18: 423-442. illus. 1933.
- Papp, C.  
Contribution géobotanique à la Vallée du  
Ruisseau Cuejdiu. Ann. Scient. Univ. Jassy  
18: 459-467. illus., pl. 1933.
- Papp, C.  
Nouvelles formes européennes de *Melica* L.  
Ann. Scient. Univ. Jassy 18: 457-458. 1933.
- Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)  
Sellei, J.  
Wirkung von farbstoffen und hormonen auf die  
pflanzenproduktion. Arch. Pharm. & Ber. Deut.  
Pharm. Ges. 272: 737-743. pl.i-ii. O.1934. no.7.
- Ber. Naturforsch. Ges. Freiburg (509F88B)  
Oberdorfer, E.  
Die höhere pflanzenwelt am Schluchsee  
(Schwarzwald). Ber. Naturforsch. Ges. Freiburg  
34: 213-247. illus., 2 pl. J1. 1934. no.1.
- Ber. Schweiz. Bot. Ges. (Zürich) (451Sch9)  
Bachmann, H.  
Phytoplankton von Victoria Nyanza-, Albert  
Nyanza- und Kiogasee gesammelt von E.B. Worthing-  
ton. Ber. Schweiz. Bot. Ges. 42: 705-717.  
illus., pl.23-26. D.1933. no.2.
- Bergdolt, E.  
Ueber die artkonstanz von *Trichomanes vittaria*  
DC. Ber. Schweiz. Bot. Ges. 42: 238-240. pl.13.  
D. 1933. no.2.
- Blum, G.  
Osmotische untersuchungen in Java. I.  
Ber. Schweiz. Bot. Ges. 42: 550-580. illus.  
D. 1933. no.2.



Ber. Schweiz. Bot. Ges. (cont.)

Chodat, F. & Popovici, N.

Etude chimique de la calcicollie et calcifugie  
de quelques espèces de cistes. Ber. Schweiz.

Bot. Ges. 42: 507-514. D.1933. no.2.

Christ, H.

Briefe von Dr. H. Christ. Herausgegeben von W.  
Vischer. Ber. Schweiz. Bot. Ges. 42: 213-223.  
1933. no.2.

Christ, O.

Chlorella zofingiensis, eine neue bodenalge.  
Ber. Schweiz. Bot. Ges. 43: 127-131. illus.  
My. 1934. no.1.

Collaer, P.

Le rôle de la lumière dans l'établissement de  
la limite supérieure des forêts; observations  
faites dans le canton des Grisons (1929-1931).  
Ber. Schweiz. Bot. Ges. 43: 90-125. illus., 2 pl.  
My. 1934. no.1.

Dahlstedt, H.

Einige neue Taraxacum-arten aus der Schweiz.  
Ber. Schweiz. Bot. Ges. 42: 718-723. D. 1933. no.2.

Farquet, P.

Matériaux pour servir à la connaissance du  
Polypodium vulgare et de ses sous-espèces. Ber.  
Schweiz. Bot. Ges. 42: 484-506. D. 1933. no.2.

Fischer, E.

Zur kenntnis der fruchtkörperentwicklung von  
Podaxis. Ber. Schweiz. Bot. Ges. 43: 11-18.  
illus. My.1934. no.1.

Flahault, C.

La vocation forestière des Grands Causses  
du massif central de France. Ber. Schweiz.  
Bot. Ges. 42: 681-698. D. 1934. no.2.

Frey-Wyssling, A.

Dynamik des saftergusses aus turgescenzen  
kapillaren. Ber. Schweiz. Bot. Ges. 42: 254-283.  
illus. D.1933. no.2.



Ber. Schweiz, Bot. Ges. (cont.)

Gäumann, E.

Ueber einen neuen rostpilz aus Algerien.

Ber. Schweiz. Bot. Ges. 42: 284. illus.

D. 1933. no.2.

*Puccinia munbyi* on *Peucedanum munbyi*.

Gams, H.

Das alter des alpinenendemismus. Ber. Schweiz.

Bot. Ges. 42: 467-483. illus.(maps) D.1933.

no.2.

Jaag, O. & Thomas, E.

Neue untersuchungen über die flechte *Epigloea*  
*bactrospora* Zukal. Ber. Schweiz. Bot. Ges.

43: 77-89. illus. My.1934. no.1.

Jaag, O.

Ueber die verwendbarkeit der gonidienalgen  
in der flechtensystematik. Ber. Schweiz. Bot.

Ges. 42: 724-739. illus. D. 1933 no.2.

Kirchheimer, F.

Die beschaffenheit unter erhöhtem druck  
thermisch beanspruchter *Lycopodium*-sporen.

Ber. Schweiz. Bot. Ges. 43: 19-29. My. 1934. no.1.

Kirchheimer, F.

Der erhaltungszustand des pollens in den  
glanzbraunkohlen. Ber. Schweiz. Bot. Ges.

42: 246-251. illus. D. 1933. no.2.

Koch, W.

*Ranunculus megacarpus* W. Koch, nom nov.

(= *R. hegetschweileri* Koch 1933 non Ducommun 1869).

Ber. Schweiz. Bot. Ges. 43: 126. My.1934. no.1.

Koch, W.

Studien über kritische schweizerpflanzen. II.

Schweizerische arten aus der verwandtschaft des  
*Ranunculus auricomus* L. Ber. Schweiz. Bot. Ges.

42: 740-753. pl. 27-30. D.1933. no.2.

*R. puberulus*, *R. biformis*, *R. hegetschweileri*,  
n.spp.

La Nicca, R.

Der standort der *Saxifraga cernua* L. am Piz.

Arina ein glazialrelikt? Ber. Schweiz. Bot.

Ges. 42: 241-245. D. 1933. no.2.



Ber. Schweiz. Bot. Ges (cont.)

Luz. G.

Ueber ein neues *Verticillium*vorkommen. Ber.  
Schweiz. Bot. Ges. 42: 754-761. illus. D.  
1933. no.2.

*Verticillium cinnabarinum*.

Nüesch, E.

*Calvatia saccata* (Vahl) Morgan. Ber. Schweiz.  
Bot. Ges. 43: 132-137. My. 1934. no.1.

Pallmann, H. & Haffter, P.

Pflanzensoziologische und bodenkundliche  
untersuchungen im Oberengadin mit besonderer  
berücksichtigung der zwergstrauchgesellschaften  
der ordnung rhodoreto-vaccinietaalia. Ber.  
Schweiz. Bot. Ges. 42: 357-466. D.1933. no.2.

Probst, R.

Übersicht über die adventivflora von Solothurn  
und umgebung. Ber. Schweiz. Bot. Ges. 42: 536-  
549. D.1933. no.2.

Rikli, M.

Das ausklingen der Pteridophytenflora in der  
polaris und deren pflanzengeographische beziehungen  
zu ihre nachbargebieten sowie zur alpenflora.  
Ber. Schweiz. Bot. Ges. 42: 339-356. illus.(map)  
D. 1933. no.2.

Samuelsson, G.

*Rumex pictus* Forsk. und einige verwandte arten.  
Ber. Schweiz. Bot. Ges. 42: 770-779. illus. D.  
1933. no.2.

Schmid, E.

Beziehungen zwischen florengeschichte und  
geomorphologie im schweizerischen mittelland.  
Ber. Schweiz. Bot. Ges. 42: 699-704. D.1933. no.2.

Schröter, G.

Übersicht über die mutationen der fichte nach  
wuchs und rinde. Ber. Schweiz. Bot. Ges. 42:  
762-769. illus. D.1933. no.2.

Schwere, S.

Die Gattung *Ophrys* und ihre bestarde bei  
Aarau. Ber. Schweiz. Bot. Ges. 42: 522-532.  
pl. 19-22. D. 1933. no.2.



Ber. Schweiz. Bot. Ges. (cont.)

Steinogger, P.

Zytologisch bedingte ei- und zygotensterilität bei triploiden apfelsorten. Ber. Schweiz. Bot. Ges. 42: 285-338. illus., pl.14-18. D.1933. no.2.

Tavel, F. v.

Nordische lycopodien in den Schweizeralpen. Ber. Schweiz. Bot. Ges. 42: 515-521. D.1933. no.2.

Ursprung, A.

Ueber die beziehungen zwischen der wasserbilanz und einigen osmotischen zustandsgrössen. Ber. Schweiz. Bot. Ges. 42: 225-237. D. 1933. no.2.

Biochem. Zeitschr. (Berlin) (384B522)

Bernhauer, K. & Slanina, F.

Chemismus und enzymchemie der säurebildungs- und säureumwandlungsvorgänge bei schimmelpilzen. XI, Die osalsäurebildung aus ameisensäure, glykolsäure, bernsteinsäure und anderen säuren durch Aspergillus niger. Biochem. Zeitschr. 274:97-111. O.18, 1934. no.1/2.

Leontjew, F.

Ueber die identität der globuline aus den samen einiger cucurbitaceen. Biochem. Zeitschr. 274: 163-166. O.18, 1934. no.1/2.

Biull. Gosud, Nikitsk. Opytn. Bot. Sad. (Bul. Gov. Bot. Gard.Nikita) (Ialta)

Osadchuk, E. A.

Geterozis kak faktor povysheniia urozhaïnosti tabaka (Heterosis as a factor in the increase of tobacco yield) Biull. Gosud. Nikitsk. Opytn. Bot. Sad.(Bull. Gov. Bot. Gard. Nikita) no.12. 40 p. illus. 1934.

Russian with English summary.

Bol. Agr. Soc. Antioq. Agr. Colombia (9.4Sol)

Mejia, R.

El mosaico de la caña en Antioquia. Bol. Agr. Soc. Antioq. Agr. Colombia 8(194): 3-9 col. pl. O.1934.

Bol. Min. Agr. Brazil. (Rio de Janiero) (9.2Ag83)

Ducke, A.

Colheita de material botanico na região Amazonica (relatório - 1931/33). Bol. Min. Agr. Brazil 23(4/6): 33-47. Ap./Je. 1934.



Bol. Min. Agr. Brazil. (cont.)

Kuhlmann, J. G.

Algumas observacoes sobre borracha de hipocrateáceas. (Conferencia realizada no Instituto de tecnologia). Bol. Min. Agr. Brazil 23(4/6): 29-31. illus. Ap./Je. 1934.

Bol. Soc. Espan. Hist. Nat. (Madrid) (506M263H)

Huguet del Villar, E.

Apéndice a unas observaciones sobre el habitat calizo de Pinus pinaster. Bol. Soc. Espan. Hist. Nat. 33: 421-431. Mr.15, 1934. no.10.

Boll. Soc. Ital. Biol. Sper. (Napoli) (442.8Sol2)

Ciferri, R. & Redaelli, P.

Studi sulle cosidette "blastomicosi" Americane. I. Gilchristia n.gen. comprendente Endomyces dermatitidis, ed E. capsulatus. Boll. Soc. Ital. Biol. Sper. 9: 959-961. S. 1934. no.9.

Colla, S.

La perdita e l'assunzione di acqua da parte di Fucus vorsioides. Bull. Soc. Ital. Biol. Sper. 9: 881-883. S. 1934. no.9.

Bot. Arch. (Leipzig) (450B6526)

Fuches, K.

Zytologische beiträge zur reifung der samen, dargestellt an Helianthus annuus, Triticum vulgare und Lilium martagon. Bot. Arch. 36: 444-496. illus. O.1934. no.4.

English abstract.

Geffken, K.

Zur bestimmungsmethodik biologisch wichtiger kohlenhydrate in pflanzenmaterial. Bot. Arch. 36: 345-376. O. 1934. no.4.

English abstract. Experiments with Ilex and Hedera leaves.

Hofer, E.

Ueber quellungsmechanismen von samenkapseln. Bot. Arch. 36: 377-443. illus. O.1934. no.4. English abstract.

Mager, Fr.

Entgegnung auf E. Kolumbes aufsatz: Wald und heide in Schleswig-Holstein. Bot. Arch. 36: 497-502. O. 1934. no.4.



Bull. Gard. Club. Amer. (90.32G16)

Arai, Y.

Japanese method for preservation of flowers.

Bull. Gard. Club. Amer. 5(12); 15-19. N.1934.

Pankin, V. M.

Herbs and herb gardens. Bull. Gard. Club.

Amer. 5(12): 6-15. N. 1934.

Bull. Imp. Bur. Plant Gen. (64.8Im7)

Gt. Britain. Imperial bureau of plant genetics.

Plant breeding in the Soviet Union. Achievements, organization and future programme of the Institute of plant industry. Bull. Imp. Bur.

Plant Genetics no.13. 58 p. N. 1933.

Bull. Misc. Inform. Kew. (London) (89K51B)

Airy-Shaw, H. K.

The genus *Dentella* in Australia. Bull.

Misc. Inform. Kew. 1934: 290-301. 1934. no.7.

Green, M. L.

Professor Henri Lecomte. Bull. Misc. Inform.

Kew 1934: 307-308. 1934. no.7.

Kew. Royal gardens

Tropical African plants. XII. Bull. Misc.

Inform. Kew. 1934: 301-307. 1934. no.7.

Shaw, V. B. K.

The flora of the Libyan Desert. Bull. Misc.

Inform. Kew 1934: 281-289. 1934. no.7.

Bull. Murithienne Soc. Valais. Sci. Nat. (508Si75) (St. Maurice)

Amann, J.

La répartition, en Suisse, des muscinées de l'élément océanique. Etude phytogéographique.

Bull. Murithienne Soc. Valais. Sci. Nat.

51(1933/34): 46-63. 1934.

Christ, H.

*Potentilla recta* x *argentea* en Valais.

Bull. Murithienne Soc. Valais. Sci. Nat. 51(1933/34): 72-73. 1934.

Farquet, Ph. & Coquoz, D.

Contribution au catalogue des fougères du Valais. Bull. Murithienne Soc. Valais. Sci.

Nat. 51(1933/34): 64-71. 1934.



Bull. Murithienne Soc. Valais. Sci. Nat. (cont.)

Guyot, H.

Les travaux du Professeur R. Chodat sur le Valais. Bull. Murithienne Soc. Valais Sci. Nat. 51(1933/34): 140-144. 1934.

Marietan, I.

Dr. Hermann Christ. Bull. Murithienne Soc. Valais. Sci. Nat. 51(1933/34): 133-139. port. 1934.

Bull. Mus. Hist. Nat. Paris (410.9P213)

Tardieu, M. L. & Christensen, C.

Les fougères d'Indochine). (cont.) Bull. Mus. Hist. Nat. Paris II,6: 383-386. Je.1934. no.4.

Bull. Pop. Inform. Arnold Arb. (99.9Ar6B)

Faull, J. H., Jack, J. G., Judd, W. H. & Schmitt, L. V.

Winter hardiness of trees and shrubs growing in the Arnold Arboretum. III. Bull. Pop. Inform. Arnold Arb. IV, 2:45-47. O.31, 1934. no.9.

Bull. Soc. Nat. Acclim. France (Paris) (410.9P21)

Rostand, J.

Comment se sont formées les espèces vivantes? Bull. Soc. Nat. Acclim. France. 81: 333-351. Ag. 1934. no.8.

Bull. Soc. Sci. Nat. Maroc (Rabat) (515Sol)

Sennen, Frère

Catalogue de la flore du Rif Oriental, rapide coup d'oeil sur son contenu. Bull. Soc. Sci. Nat. Maroc 14: 56-61. Mr. 31, 1934. no.1/3.

Werner, R. G.

Contribution to the flore cryptogamique du Maroc. VIII. Algae. Bull. Soc. Sci. Nat. Maroc 14: 62-70. Mr.31, 1934. no.1/3.

Bull. Torr. Club (451T63B)

Craig, T.

A revision of the subgenus Hugelia of the genus Gilia (Polemoniaceae) (concl.) Bull. Torr. Club. 61: 411-428. N.1934. no.8.

Gordon, R. B.

Lemanea grandis (Wolle), Atk. rediscovered after forth years. Bull. Torr. Club 61: 437-439. illus. N. 1934. no.8.

In western New York south of village of Quaker Bridge, also in Quaker Run in Allegany state park.



Bull. Torr. Club. (cont.)

McCoy, R. W.

The anatomy of the leaf of *Zeugites munroana*, an anomalous grass. Bull. Torr. Club 61: 429-436. illus., pl. 24. N.1934. no.8.

Pennell, F. W.

Scrophulariaceae of the northwestern United States. II. Pedicularis of the group Bracteosae. Bull. Torr. Club 61: 441-448. N. 1934. no.8.

Schreiner, E. J. & Stout, A. B.

Descriptions of ten new hybrid poplars. Bull. Torr. Club 61: 449-460. N. 1934. no.8.

Canad. Field Nat. (Ottawa) (410.90t8)

Johansen, F.

Vascular plants collected during the Canadian Hudson Strait expedition in 1927. Canad. Field Nat. 48: 126-131. N.1934. no.8.

Cavanillesia (450C31)

Cuatrecasas, J.

Charles C. Lacaita, 1853-1933. Cavanillesia 6: 137-139. pl.iii (port.) 1934. no.4/9.

Cuatrecasas, J.

Robert Chodat. Cavanillesia 6: 139-141. pl.iv (port.) 1934. no.4/9.

Font i Quer, P.

El Quercus toza a Catalunya i al Marroc. Cavanillesia 6: 49-58. illus., pl.i. 1934. no.4/9.

Huguet-del-Villar, E.

Quelques *Thymus* di Sud-est Ibérique. Cavanillesia 6: 104-125. 1934. no.4/9.

Mayor, A. B.

Estudio cariológico de algunas crucíferas y su interpretación en la sistemática. Cavanillesia 6: 59-103. illus., pl.ii. 1934. no.4/9.

La Cellule (Lierre, Belgium) (442.80C33)

Ashworth, D.

Development and cytology of the uredo and telcotosorus in *Colcosporium tussilaginis*. La Cellule 43: 189-200. illus., fold.pl. 1934. no.2.

Mosseray, R.

Les *Aspergillus* de la section "niger" Thom & Church. La Cellule 43: 203-286. iv fold.pl. (2 col.) 1934. no.2.



Chem. & Industr. (London) (382M31)

Rudge, E. A.

Dry rot. Chem. & Industr. 53: 38-40.

illus. F.9, 1934. no.6.

Studies in the decomposition of timber under industrial conditions. V.

Comment. Biol. Soc. Sci. Fenn. (Helsingfors) (511H36C)

Grönblad, R.

A contribution to the knowledge of sub-aërial desmids. Comment. Biol. Soc. Sci. Fenn. v.4, no.4. 8 p. ii pl. 1934.

Compt. Rend. Acad. Sci. Paris (505P21)

Costantin, J.

Influence des hautes latitudes sur les rendements agricoles de la pomme de terre dans l'Amérique du Nord. Compt. Rend. Acad. Sci. Paris 199: 690-694. 0.15, 1934. no.16.

Davy de Virville, A.

Sur les principaux types de flaques du littoral atlantique. Compt. Rend. Acad. Sci. Paris 199: 734-736. 0.15, 1934. no.16.

Deflandre, G.

Presence de pollen de conifere (abiétinée) dans un silex de la craie. Les pluies de pollen à l'époque crétacée. Compt. Rend. Acad. Sci. Paris 199: 797-799. 0.22, 1934. no.17.

Quendiac, M.

Sur une condition de l'accumulation des cellules tannifères dans le bois de châtaignier. Compt. Rend. Acad. Sci. Paris 199: 799-801. 0.22, 1934. no.17.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Area Leao, A. E. de & Lobo, J.

Mycétome du pied a *Cephalosporium recifei* n.sp. mycétome a grains blancs. Compt. Rend. Soc. Biol. Paris 117: 203-205. 1934. no.29.

Contr. Arnold Arb. (451Ar6C)

Ehrlich, J.

The beech bark disease. A *Nectria* disease of *Fagus* following *Cryptococcus fagi* (Baer). Contr. Arnold Arb. 7. 104 p. illus., ix pl. S.29, 1934.



Contr. Arnold Arb. (cont.)

Merrill, E. D.

An enumeration of plants collected in Sumatra by W.N. and C.M. Bangham. Contr. Arnold Arb. 8. 178 p. illus., xiv pl. Ag.25, 1934.

Contr. Lab. Bot. Univ. Montreal (451M763)

Dupret, H.

Etudes sur les mousses de la region de Montréal. Contr. Lab. Bot. Univ. Montreal no.25. 70 p. illus. (incl. map), port. 1934.

Cyprus Agr. Journ. (21C992)

Nattrass, R. M.

Diseases of cereals. III. The covered smut of barley. Cyprus Agr. Journ. 29: 76-78. illus. S. 1934. no.3.

D. N. C. Rev. Dept. Nac. Café Rio de Janeiro

Freire, C. V.

Contribuição ao estudo histológico dos cafeeiros no Brasil. II-III. D. N. C. Dep. Nac. Café Rio de Janeiro 2: 215-217, 387-388. Ag., S.1934. no.14,15.

II. Estrutura anatomica do caule do cafeeiro.  
III. Estrutura do pecíolo.

Desert (Pasadena) (450D45)

Burchard, O.

Euphorbia canariensis L. Desert (Pasadena) 6: 105. illus. N.1934. no.7.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Orlovsky, N.I.

O roli biologicheskogo izucheniiâ sortov svekly v svîazi s voprosami selektsii (Ueber die rolle biologischer erforschung der rûbensorten im zusammenhange mit den selektionsproblemen). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s.,3: 468-471. Ag.21, 1934. no.6.

Russian and German.

Pruzhanskaiâ, E. M.

Simbioz kak rasoobrazyûshchii faktor u mikrobov (La symbiose comme facteur génétique de races chez les microbes). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s.,3: 461-467. illus. Ag.21, 1934. no.6.

Russian and English. Bacillus mycoides, Bacterium pyocyaneum, B. proteusvulgaris, Sarcina ureae.



Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (cont.)

Tserling, V. V. & Chepikova, A. R.

O rodi var'irovaniia napriazhennosti faktorov iarovizatsii (The results of varying the intensity of the factors of yarovization). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s.,3: 472-477. Ag.21, 1934. no.6.

Russian and English. Experiments with *Alopecurus pratensis*, *Phleum pratense*, *Trifolium pratense*.

Farming So. Africa (Pretoria) (24So842)

Du Plessis, S.J.

Botrytis rot of grapes, and its control during 1933-34. Farming So. Africa 9: 395-397. illus. O. 1934. no.103.

Leibbrandt, F. E. A.

Protein content of grasses. Farming So. Africa 9: 399. O. 1934. no.103.

Villiers, S. R. de

The trend of pasture research, with special reference to breeding. Farming So. Africa 9: 386-388. illus. O.1934. no.103.

Fruit World Australasia (Melbourne) (80F948)

Cunningham, G. H. & Cottier, W.

Spraying fruit trees. The arsenate series. Fruit World Australasia 35: 548-552. O.1, 1934. no.10.

Gard. Chron. (London) (80G162)

Bancroft, H.

Notes on the status and nomenclature of the British elms. V. Elms generally accepted as hybrids. Gard. Chron. III, 96: 298-299. illus. O. 27, 1934. no.2496.

Green, D. E.

A leaf spot of *Daphne mezereum* new to Great Britain. Gard. Chron. III, 96: 305. illus. O.27, 1934. no.2496.

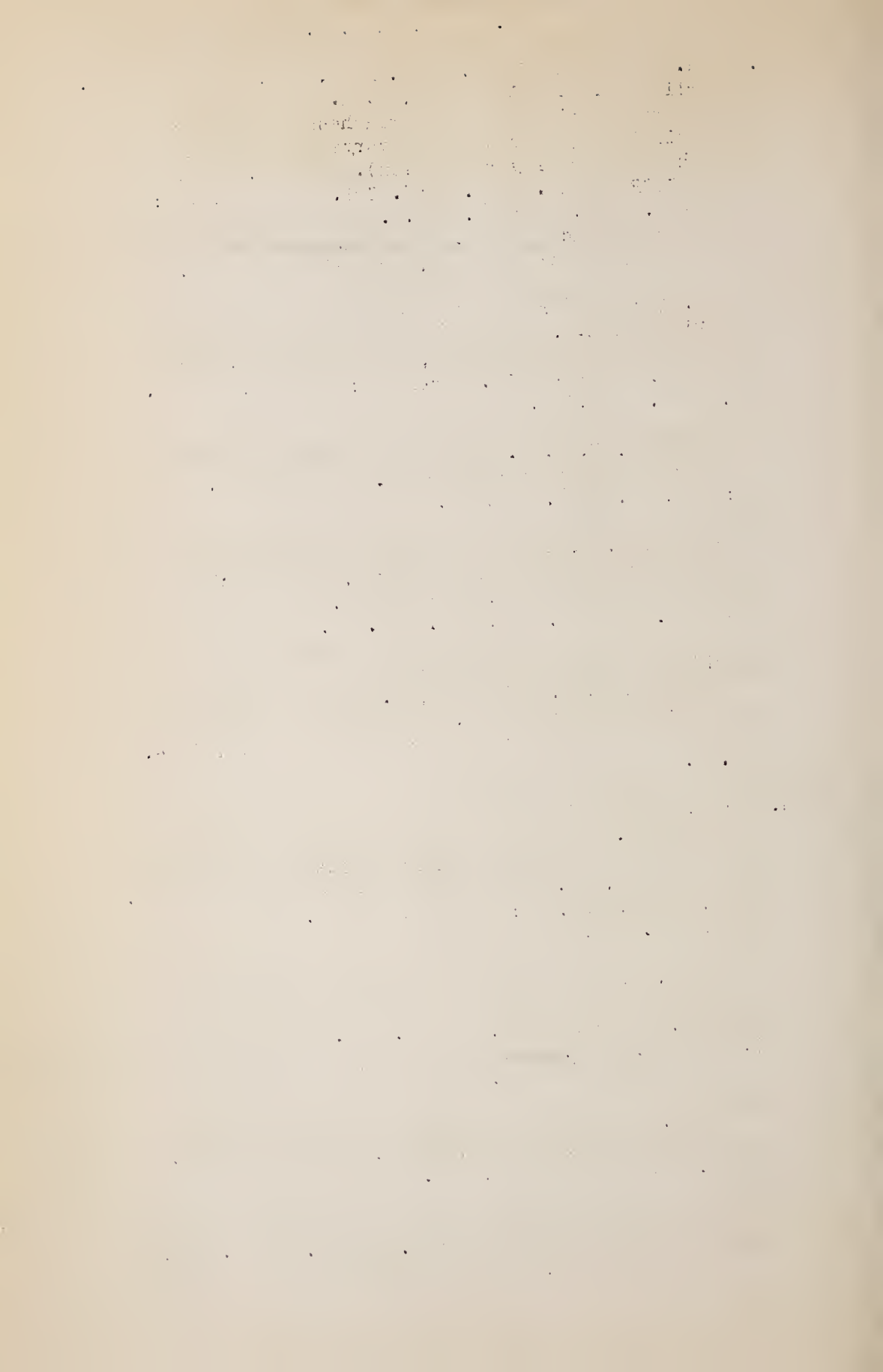
*Marssonina daphnes*.

Grove, A.

*Lilium grayi*. Gard. Chron. III, 96: 300-301. illus. O.27, 1934. no.2496.

Johnson, A. T.

Some late-flowering heaths. Gard. Chron. III, 96: 301-302. O.27, 1934. no.2496.



Gard. Chron. (cont.)

Milne-Redhead, E.

The fairies' thimbles *Campanula*. Gard.  
Chron. III,96: 298. O.27, 1934. no.2496.  
*Campanula cochleariifolia*.

Meunissier, A.

*Carrierea calycina*. Gard. Chron. III,96:  
298. illus. O.27, 1934. no.2496.

Behaviour of garden plants. XV. Roses in hot  
summer. Gard. Chron. III,96: 293. O.27, 1934.  
no.2496.

Gard. Illus. (London) (80G169)

*Antirrhinum rust.* Gard. Illus. 56: 617-618.  
O.20, 1934. no.2902.

Bernard, T. M.

Spring flowers in central Chile. Gard. Illus.  
56: 634-635. illus. O.27, 1934. no.2903.

Flegg, O. D.

Botanical exploration in China. (concl.) Gard.  
Illus. 56: 635-636. O.27, 1934. no.2903.

For corrections of errors in earlier nos. of this  
article see note by F.Kingdon Ward l.c. p.631.

Gartenschönheit (Berlin) (80G199)

Foerster, K.

Steckbriefe der grossen phloxsorten.  
Gartenschönheit 15: 193-195. col.illus. S.1934.  
no.9.

Handel-Mazzetti, H.

Aus der pflanzenwelt West-Chinas. Garten-  
schönheit 15: 90-91. illus. Ap.1934. no.4.

Nussbaumer, E.

Lauche als zierpflanzen. Gartenschönheit  
15: 7-9. illus. Ja. 1934. no.1.

Schneider, C.

Gehölze, die wir brauchen. I-IV. Gartenschön-  
heit 15: 86-88, 108-110, 136-138, 156-157. illus.  
Ap., My., Je., Jl. 1934. no.4,5,6,7.

Hadar (Jaffa) (80H11)

Elze, D. L.

Some experiments on the combined effect of  
*Diplodia* and green mould inoculations on oranges.  
Hadar 7: 223-225. S.1934. no.9.

If *Diplodia* is controlled ... it may also  
result in controlling the green mould fungus.



Hilgardia (Berkeley, Calif.) (100C12H)

Severin, H.P. & Freitag, J. H.

Ornamental flowering plants naturally infected with curly-top and aster-yellows viruses. Hilgardia 8: 233-256. illus., 4 pl. S.1934. no.8.

Severin, H. P.

Weed host range and overwintering of curly-top virus. Hilgardia 8: 263-277. illus., 2 pl. S. 1934. no.8.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin) (384Z38)

Kögl, F. & Kostermans, D.G.F.R.

Hetero-auxin als stoffwechselprodukt niederer pflanzlicher organismen. Isolierung aus hefe.

Hoppe-Seyl. Zeitschr. Phys. Chem. 228: 113-121. O.15, 1934. no.3/6.

Maschmann, E.

Beiträge zur aktivierung pflanzlicher proteinasen. Hoppe-Seyl. Zeitschr. Phys. Chem. 228: 141-186. O.15, 1934. no.3/6.

Horticulture (Boston) (80H787)

Hardy asters for autumn gardens. Horticulture 12: 365-366. illus. N.1, 1934. no.21.

Indian For. (Dehra Dun) (99.8In2)

Parker, R. N.

Precocious flowering of tree species. Indian For. 60: 672. O. 1934. no.10.

Shebbeare, E. O.

The conifers of the Sikkim Himalaya and adjoining country. Indian For. 60: 710-713. O. 1934. no.10.

Trevor, C. G.

Cupressus cashmiriana. Indian For. 60: 713-714. O. 1934. no.10.

Venkata Rao, M. G. & Gopala Iyengar, K.

Studies in spike disease of sandal. Methods of inoculation and variation of results under different methods. Indian For. 60: 689-701. O. 1934. no.10.



Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Rech. Biol. Perm) (442.9P42)

Henckel, A. A. & Krasovskii, P. N.

Materialy po izucheniiu rastitel'nosti drevnei terrasy r. Kamy i ee torfiannykh solot (Contributions to the study of the ancient terrace of the river Kama and its peat bogs). Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Rech. Biol. Perm) 9: 41-58. pl. 1934. no.1/3.

Russian with English summary.

Henckel, A. A. & Kolotova, S. S.

O predpovevnoi zakhalkke rasteniia k zasulke v usloviiakh vegetatsionnogo opyta (On acquiring drought-resistance by plants before sowing under the conditions of vegetation experiment). Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Rech. Biol. Perm) 9: 1-14. 1934. no.1/3.

Russian with English summary.

Litvinov, L. S.

K voprosu o mekhanizme iarovizatsii soi (On the mechanism of yarovization of soybean). Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Rech. Biol. Perm) 9: 59-70. illus. 1934. no.1/3.

Russian with English summary.

Riāzantsev, A. V.

Zimniaia transpiratsiia drevesnykh porod i ee znachenie dlia ikh geograficheskogo rasprostraneniia (Winterliche transpiration der holzgewächse im zusammenhangemit ihrer geographischen verbreitung). Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Rech. Biol. Perm) 9: 71-86. 1934. no.1/3.

Russian with English summary.

Vakhrusheva, V. A., Henckel, A.A., Danilova, M.M. & Krasovskii, P. N.

Osnovnye cherty evoliutsii rastitel'nosti dolin nekotorykh rek Zapadnogo Predural'ia (The vegetation of some river valleys of the western Cisural region). Izv. Permsk. Biol. Nauchno-Issl. Inst. (Bull. Inst. Rech. Biol. Perm) 9: 15-39. 1934. no.1/3.

Russian with English summary.

Jahresber. Ver. Naturw. Braunschweig (509B73)

Fröde, E.

Die halophytenfluren in Braunschweigs umgebung. Jahresber. Ver. Naturw. Braunschweig 22(1929/32): 35-45. pl. i. 1933.



Journ. Agr. Sci. (London) (10J822)

Mather, K. & Andersson, G.

The determination of winter-hardiness in oats.

Journ. Agr. Sci. 24: 627-635. O.1934. no.4.

Journ. Agr. Univ. Puerto Rico. (Rio Piedras) (8P832J)

Otero, J. I. & Cook, M. T.

Partial bibliography of virus diseases of plants. Journ. Agr. Univ. Puerto Rico v.18, no.1/2. 410 p. Ja./Ap. 1934.

Journ. Amer. Chem. Soc. (381Am33J)

Couch, J. F.

Lupine studies. VIII. The alkaloids of *Lupinus palmeris*, S. Wats. Journ. Amer. Chem. Soc. 56: 2434. N. 1934. no.11.

Journ. Dept. Agr. So. Australia (Adelaide) (23So84)

Clarke, G. H.

Important weeds of South Australia. 8. The purple-stemmed or horny thorn apple. *Datura tatula*, L. Journ. Dept. Agr. So. Australia 38: 221-225. illus., col.pl. S.1934. no.2.

Hutton, E. M.

The important pasture plants of South Australia considered as to their identification and characteristics. (cont.) Journ. Dept. Agr. So. Australia 38: 186-189. illus. S.1934. no.2.

Journ. Frankl. Inst.

Jodidi, S. L.

Distribution of the nonprotein nitrogen in the Alaska pea. Journ. Frankl. Inst. 218: 581-591. N. 1934. no.5.

Journ. N.Y. Bot. Gard. (89N48J)

Barnhart, J. H.

A century-old American herbarium. Journ. N.Y. Bot. Gard. 35: 241-245. N. 1934. no.419. Herbarium of David L. Coe (1795-1836) of Ohio which includes specimens collected by Elias W. Leavenworth (1803-1887) of Great Barrington, Mass. later of Syracuse, N.Y.

Everett, T. H.

*Aristolochia grandiflora*. Journ. N.Y. Bot. Gard. 35: 252-254. illus. N.1934. no.419.



Journ. N.Y. Bot. Gard. (cont.)

Small, J. K.

Two aged epiphytic orchids. Journ. N.Y.

Bot. Gard. 35: 256-257. Illus. N.1934. no.419.

*Encyclia tampensis* found on an island east of Key West, now in New York botanic garden.

Teuscher, H.

Winter injury of hybrid rhododendrons.

Journ. N.Y. Bot. Gard. 35: 250-252. illus.

N. 1934. no.419.

Mr. Kenneth Kent Mackenzie... Journ. N.Y.

Bot. Gard. 35: 259. N. 1934. no.419.

Died Oct.22, 1934, at age of 57.

Journ. So. African Chem. Inst. (385So34)

Steyn, D. G. & Rimington, C.

Chemical problems in relation to poisonous plant research. I-II. Journ. So. African Chem.

Inst. 17: 41-47. Jl. 1934. no.2.

I. How plants may act as poisons. II. Detection and isolation of active principles.

Landbouwk. Tijdschr. Wageningen (105.20r3)

Lincklaen Arriëns, R. A. L.

Een en ander over resistentie en verworven immuniteit bij planten. (cont.) Landbouwk.

Tijdschr. Wageningen 46: 557-567. Ag. 1934. no.563.

Landw. Jahrb. Schweiz (Bern) (17L23)

Neuweiler, E.

Kartoffelanbauversuche der vereinigung schweizerischer versuchs- und vermittlungstellen für saatkartoffeln durchgeführt von schweizerischen landwirtschaftlichen schulen, von mitgliedern der vereinigung, von saatzuchtgenossenschaften und landwirtschaftlichen betrieben. IV. Landw. Jahrb. Schweiz 48: 683-708. 1934. no.6.

Mikrobiologiia (Moskva) (448.3M582)

Nazarova, E.

Zarazhenie zhivvykh rastenii dermatofitami (Infection of living plants with dermatophytes).

Mikrobiologiia 3: 120-137. illus., pl. 1934.

no.1.

Russian with English summary. Experiments with *Achorion quinckeanum*, *Microsporium lanosum*, *Trichophyton gypseum asteroides*.



Mikrobiologiya (cont.)

Uspenskii, E. E.

Prevrashchenie odnikh nasledstvennykh form v drugie i voznokhovenie novykh v rode Spirogyra (Transformation of certain hereditary forms into other ones and the arising of new forms in the genus Spirogyra). Mikrobiologiya 3: 169-203. 3 pl. 1934. no.2.

Russian with English summary.

Nat. Hist. Mag. (London) (410N2122)

Rendle, A. B.

A botanist in Bermuda. Nat. Hist. Mag. 4: 277-295. illus. 0.1934. no.32.

Swinton, W. E.

Behind the scenes in the Museum.VIII. Nat. Hist. Mag. 4: 295-305. illus. 0.1934. no.32.

Dept. of Botany, Natural history department of the British museum.

Natur u. Volk. (Frankfurt a.M.) (509F856)

Körner, O.

Umkehr des stromes der ernährungsflüssigkeit in dem stamme einer rotbuche. Natur u. Volk. 64: 279-280. illus. J1.1934. no.7.

Weinberg, A. v.

Die wuchsstoffe der organismen. Natur u. Volk. 64: 208-223. illus. Je.1934. no.6.

Nature (London) (472N21)

Meyer, S. L.

Alleged stimulation of moulds by paraffin in heavy water. Nature 134: 665. 0.27, 1934. no.3391.

Naturwissensch. (Berlin) (474N213)

Silberschmidt, K.

Neuere arbeiten über die strömungsrichtung der assimilate im pflanzenstengel. Naturwissensch. 22: 725-728. 0.26, 1934. no.43.

Nauchnoe plodovodstvo (Sci. Fruit Grow.) (Voronezh) (80Sci2)

Enikeev, K.

Izuchenje zimostoikosti Michurinskikh sortov v Voronezhskoi, Kurskoi i Moskovskoi oblastiakh i Srednevolzhskom krae (Hardiness to winter cold of the Michurin varieties in the black soil, Moscow and middle Volga regions). Nauchnoe plodovodstvo (Sci. Fruit Grow. 3: 11-20. 1934.

Russian with English summary. Fruits, particularly apples and pears.



Nauchno plodovodstvo (Sci, Fruit Grow.) (cont.)

Iseav, S. I.

Iz nabliūdenii<sup>u</sup> nad Michurinshimi sortami pod Moskvoy<sup>u</sup> (Some observations on the Mitchurin varieties near Moscow). Nauchnoe plodovodstvo (Sci. Fruit Grow.) 3: 20-25. 1934.

Russian with English summary. Apples, pears, cherries and small fruits.

Likhovitser, V. G.

Zamteki po kariotipu plodovo-iāgodnykh rastenii<sup>u</sup> (Studies on the karyotype of fruit and small-fruit plants). Nauchnoe plodovodstvo (Sci. Fruit Grow.) 3: 39-40. illus. 1934.

Russian with English summary.

Prunus besseyi, Shepherdia argentea, Fragaria grandiflora x F. elatior.

Tatarintsev, A. S.

Opyt vegetativnogo sblizheniia<sup>u</sup> grushi s piabinoi<sup>u</sup> [Experiments in "vegetative friendship" with pear and mountain ash]. Nauchnoe plodovodstvo (Sci. Fruit Grow.) 1: 16-22. 1934.

Russian with English summary.

Tatarintsev, A. S.

Poiski putei<sup>u</sup> k preodoleniiu<sup>u</sup> neskreschivaemosti (Ways for overcoming difficulties in hybridizing). Nauchnoe plodovodstvo (Sci. Fruit Grow.) 3: 31-38. 1934.

Russian with English summary.

New Zeal. Journ. Sci. & Techn. (Wellington) (514N48)

Tiller, L. W.

The iodine-starch reaction as a test for maturity of apples. New Zeal. Journ. Sci. & Techn. 16: 88-101. illus. S.1934. no.2.

Onderstepoort Journ. Vet. Sci. (41.80nl)

Louw, J. G.

A routine method for the determination of soluble ash in plant material. Onderstepoort Journ. Vet. Sci. 3: 191-195. Jl.1934. no.1.

Marais, J. S. C. & Rimington, C.

Isolation of the poisonous principle of *Dimorphotheca cuneata* Less. Onderstepoort Journ. Vet. Sci. 3: 111-117. illus. Jl. 1934. no.1.



Peanut Journ. & Nut World. (Suffolk) (77.8P313)  
New York City. Dept. of public markets, weights &  
Measures - Library  
Pecans, walnuts and other nuts. Epic story of  
edible nuts of the world. I. Peanut Journ.  
& Nut World 14: 27-32. N.7,1934. no.1.

Philipp. Agr. (Laguna) (25P542)  
Esping, R. B.  
A quarter century of research activity in the  
department of plant physiology. Philipp. Agr.  
23: 403-415. illus. O. 1934. no.5.

Ocfemia, G. O.  
Our work on plant diseases. Philipp. Agr.  
23: 467-475. illus. O. 1934. no.5.

Planta Arch. Wiss. Bot. (Berlin) (450P693)  
Borriss, H.  
Ueber den einfluss äusserer faktoren auf  
wachstum und entwicklung der fruchtkörper von  
Coprinus lagopus. Planta Arch. Wiss. Bot.  
22: 644-684. illus. 1934. no.5.

Fischer, H.  
Grössenänderungen von kern und nucleolus im  
blattgewebe. Planta Arch. Wiss. Bot. 22: 767-793.  
illus. 1934. no.5.

Hartisch, J.  
Stoffwechselphysiologische untersuchungen über  
die blattrollkrankheit der kartoffelpflanze.  
Planta Arch. Wiss. Bot. 22: 692-719. 1934. no.5.

Hrušý, K. J.  
Ueber die chromosomenstruktur in infraroten  
strahlen. Planta Arch. Wiss. Bot. 22: 685-691.  
illus. 1934. no.5.

Mothes, K. & Specht, W.  
Ueber den schwefelstoffwechsel der pflanzen.  
Planta Arch. Wiss. Bot. 22: 800-803. 1934. no.5.  
Vorläufige mitteilung.

Pæch, K.  
Zur natürlichen regulation des eiweissstoff-  
wechsels in pflanzen. Planta Arch. Wiss. Bot.  
22: 794-799. 1934. no.5.



Planta Arch. Wiss. Bot. (cont.)

Ramshorn, K.

Experimentelle beiträge zur elektrophysiologischen wachstumstheorie. *Planta Arch. Wiss. Bot.* 22: 737-766. illus. 1934. no.5.

Schkwarnikow, P. K. & Navaschin, M. S.

Ueber die beschleunigung des mutationsvorganges in ruhenden samen unter dem einfluss von temperaturerhöhung. *Planta Arch. Wiss. Bot.* 22: 720-736. illus. 1934. no.5.

Zeuch, L.

Untersuchungen zum wasserhaushalt von *Pleurococcus vulgaris*. *Planta Arch. Wiss. Bot.* 22: 614-643. illus. 1934. no.5.

Zickler, H.

Genetische untersuchungen an einem heterothallischen askomyzeten (*Bombardia lunata* nov. spec.) *Planta Arch. Wiss. Bot.* 22: 573-613. illus. 1934. no.5.

Prakt. Blätt. Pflanzenb. u. Pflanzensch. (Freising) (464.8P88)

Böning, K. & Wallner, F.

Versuche zur bekämpfung der netzfleckenkrankheit der gerste (*Helminthosporium teres* Sacc.) *Prakt. Blätt. Pflanzenb. u. Pflanzensch.* 34(n.s., v.12): 219-229. illus. O. 1934. no.7.

Hiltner, E.

Beiträge zur ernährungsphysiologie der kartoffel unter besonderer berücksichtigung des abbauproblems. *Prakt. Blätt. Pflanzenb. u. Pflanzensch.* 34(n.s., v.12): 206-219. illus. O. 1934. no.7.

Strobel, A.

Regierungsrat Dr. Erhard Hiltner. *Prakt. Blätt. Pflanzenb. u. Pflanzensch.* 34(n.s. v.12): 201-206. port. O. 1934. no.7.

Proc. Amer. Cranberry Grow. Assoc. (81Am35C)

Wilcox, R. B.

Cranberry diseases in 1934. *Proc. Amer. Cranberry Grow. Assoc.* 65(1934): 6-9. Ag.30, 1934.

Proc. K. Akad. Wetensch. Amsterdam (503Am8P)

Thimann, K. V. & Went, F. W.

On the chemical nature of the rootforming hormone. *Proc. K. Akad. Wetensch. Amsterdam* 37: 456-459. J1.1934. no.7.



Proc. K. Akad. Wetensch. Amsterdam (cont.)

Went, F. W.

A test method for rhizocaline, the rootforming substance. Proc. K. Akad. Wetensch. Amsterdam 37: 445-455. illus. Jl.1934. no.7.

Proc. Linn. Soc. N.S.W. (Sydney) (514Sy2)

Jensen, H. L.

Studies on saprophytic Mycobacteria and Corynebacteria. Proc. Linn. Soc. N.S.W. 59: 19-61. illus., pl.i-ii. My.15, 1934. no.1/2(251/252).

Rupp, H. M. R.

Notes on Australian orchids. A review of the genus *Cymbidium* in Australia. I. Proc. Linn. Soc. N.S.W. 59: 93-100. illus. My.15, 1934. no.1/2(251/252).

Waterhouse, W. L.

Australian rust studies. IV. Natural infection of barberries by black stem rust in Australia. Proc. Linn. Soc. N.S.W. 59: 16-18. pl. iii. My.15, 1934. no.1/2(251/252)

Proc. Queensl. Soc. Sugar Cane Techn. (65.9Q332)

Cottrell-Dormer, W.

Bacterial diseases of sugar cane. Proc. Queensl. Soc. Sugar Cane Techn. 3(1932): 31-38. [1932?]

Leaf scald, gumming, red-stripe & mottled stripe.

Cottrell-Dormer, W.

The mechanism of heredity. Its bearing on variety improvement. Proc. Queensl. Soc. Sugar Cane Techn. 5(1934): 207-220. illus. 1934.

Stieglitz, C. R. von

The starch contents of some sugar canes in Queensland. Proc. Queensl. Soc. Sugar Cane Techn. 3(1932): 63-68. illus. [1932?]

Proc. Soc. Exp. Biol. & Med. (N.Y.) (442.9Sol)

Martin, A. W. & Field, J.

Inhibition of yeast growth by 2-4 dinitrophenol. Proc. Soc. Exp. Biol. & Med. 32: 54-55. O.1934. no.1.



Proc. Soc. Exp. Biol. & Med. (cont.)

Melot, G. J.

Effects of deuterium oxide on respiration of germinating seeds. Proc. Soc. Exp. Biol. & Med. 32: 79-83. O. 1934. no.1.  
Experiments with wheat.

Moore, A. R.

Relation of cytoplasmic structure to growth and respiration in plasmodium. Proc. Soc. Exp. Biol. & Med. 32: 174-176. O. 1934. no.1.  
Experiments with Physarum.

Progr. Agr. & Vitic. (Montpellier) (14P94)

Rouayroux, R.

La faillite des bouillies cupriques. Progr. Agr. & Vitic. 102: 381-384. O.14, 1934. no.41.  
1934.

Progreso Agr. y Pec. Madrid (15P94)

Ferraris, T.

La lucha contra el oídio. Progreso Agr. y Pec. Madrid 40: 417-422. illus. Jl.15, 1934. no.1830.

Gallástegui, C.

Efectos del sulfatado en la patata. I-II. Progreso Agr. y Pec. Madrid 40: 161-165, 177-178. Mr.15,22, 1934. no.1814-1815.

Quart. Journ. Pharm. & Pharmacol. (London) (396.8Q2)

Coutts, J.

The seasonal variation of santonin in Scottish Artemisias. Quart. Journ. Pharm. & Pharmacol. 7: 392-405. Jl./S. 1934. no.3.

Dewar, T.

The histology of the leaves of Digitalis lanata Ehrh. Quart. Journ. Pharm. & Pharmacol. 7: 331-345. illus. Jl./S. 1934. no.3.

Saber, A. H.

Senna stalk: Its anatomy and detection in powdered senna. Quart. Journ. Pharm. & Pharmacol. 7: 422-434. illus. Jl./ 1934. no.3.

Rep. Assoc. Hawaiian Sugar Techn.(65.9As73)

Lyon, H. L. & Brodie, H.

The measurement of sunlight and its relation to cane growth. Rep. Assoc. Hawaiian Sugar Techn. 13(1934): 105-113. illus. 1934.



Rev. Facul. Agron. & Vet. Univ. Buenos Aires (9B863)  
Marchionatto, J. B.

Algunos hongos entomógenos comunes en la República Argentina y las posibilidades de su aplicación agrícola. Rev. Facul. Agron. & Vet. Univ. Buenos Aires 7: 571-584. illus. S. 1934. no.3.

Reichert, F. & Paulsen, E. F.

La influencia de la radiación ultravioleta sobre la germinación y primer período vegetativo en algunas semillas. Rev. Facul. Agron. & Vet. Univ. Buenos Aires 7: 501-506. illus. S.1934. no.3.

Rev. Fac. Agron. Univ. La Plata (9R32)

Hirschhorn, J.

Dos royas de las cebada, nuevas para la Argentina. Rev. Fac. Agron. Univ. La Plata 19: 390-397. illus. D. 1933. no.3.

Lindquist, J. C.

Nota sobre la podredumbre amarga de la manzana [*Glomerella cingulata* (St.) Schr. y v. Sp.] Rev. Fac. Agron. Univ. La Plata 19: 398-406. illus. D. 1933. no.3.

Marchionatto, J. B.

Notas de patología vegetal. Contribución al conocimiento de las enfermedades de las plantas provocados por los hongos. Rev. Fac. Agron. Univ. La Plata 19: 407-426. illus. D.1933. no.3.

Ringuelet, E. J.

Nota sobre la anatomía del tallo en cuatro trigos puros. Rev. Fac. Agron. Univ. La Plata 19: 427-430. illus. D.1933. no.3.

Rev. Gén. Bot. (Paris) (450R326)

Carpentier, A.

Fructifications du Westphalien du Nord de la France. Rev. Gén. Bot. 46: 577-585. illus., pl. xlv-xlix. O. 1934. no.550.

*Crossotheca chailleti*, *Boulaya praelonga* (n.gen.) n.spp.

Feldmann, J. & Hamel, G.

Observations sur quelques géliidiacées. I-III. Rev. Gén. Bot. 46: 528-549. illus. S. 1934. no.549.

I. *Gelidiella* nov.nomen (= *Echinocaulon* (Kützting) Feldmann emend., non Spach). II. Sur les affinités du genre *Caulacanthus* Kutz. III. *Wurdemannia miniata* (Drap.) comb.nov.



Rev. Gén. Bot. (cont.)

Gabriel, G.

Etude phyto-sociologique du Dévoluy. II-III.  
Rev. Gén. Bot. 46: 550-561, 621-640. S.,O. 1934.  
no.549-550.

Garnier, G.

Influence de l'étirement sur les cellules  
végétales. III. Expérimentation. Rev. Gén. Bot.  
46: 562-576, 604-620. illus. S.,O. 1934. no.  
549-550.

Panchaud, J.

Action di milieu extérieur sur le métabolisme  
végétal. II. L'absorption de la matière minérale et  
l'elaboration de la matière organique chez une  
plante herbacée développée a des intensités  
lumineuses différentes. Rev. Gén. Bot. 46: 586-  
603. O. 1934. no.550.

Rev. Hort. (Paris) (80R32)

Arnaud, G.

Le déperissement du cassissier. Rev. Hort.  
106: 228-229. O.16, 1934. no.10.

Chevalier, C.

L'individu végétal. Rev. Hort. 106: 178-  
179, 205-207. Ag.16, S.16, 1934. no.8,9.

Debras, E.

Lilium x aurelianense (L. sargentiae x L.  
henryi) Rev. Hort. 106: 231. illus. O.16,  
1934. no.10.

Jehandiez, E.

Les plantes grasses autres que les cactées  
les crassulacées. (cont.). Rev. Hort. 106: 187-  
189, 212-214, 238-240. illus. Ag.16, S.16, O.16,  
1934. no.8,9,10.

Routier, H.

Quelques réflexions sur les anguillules.  
Rev. Hort. 106: 189-191. Ag.16, 1934. no.8.  
Observations made upon various plants, particu-  
larly on Begonia rex.

Rev. Hort. & Agr. Afrique Nord. (Alger) (87R32)

Bellair, G.

La chlorose chez les pechers et chez les  
rosiers. Rev. Hort. & Agr. Afrique Nord 38:  
261-264. O. 1934. no.10.



Rev. Hort. & Agr. Afrique Nord. (cont.)

Maire, R.

Louis Trabut, 1853-1929. Notice biographique.

Rev. Hort. & Agr. Afrique Nord v.38, spec.no.10.

56 p. port. 1934.

Publications du Docteur L. Trabut: p.16-34.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Hopkins, J. C. F.

Seasonal notes on tobacco diseases. 7. Spraying  
in seed-beds and lands. Rhodesia Agr. Journ.

31: 727-734. O.1934. no.10.

Rhodora (Boston) (45OR34)

Fernald, M. L.

Draba in temperate northeastern America. (concl.)

Rhodora 36: 392-404. N. 1934. no.431.

Hochreutiner, B. P. G.

Validity of the name Lespedeza. Rhodora

36: 390-392. N. 1934. no.431.

Muenschner, W. G. & Clausen, R. T.

Notes on the flora of northern New York.

Rhodora 36: 405-407. N. 1934. no.431.

Pladeck, M.

Notes on Virginia and Maryland plants.

Rhodora 36: 407-408. N. 1934. no.431.

Muhlenbergia racemosa, Solidago randii,  
S. monticola, Aegilops ovata, in Virginia; S.  
canadensis v. hageri, Ambrosia bidentata in  
Maryland.

Svenson, H. K.

Monographic studies in Eleocharis. III.

Rhodora 36: 377-390. illus. (maps), pl.320-321.

N. 1934. no.431.

Science (470Sci2)

Buchsbaum, R. & Buchsbaum, M.

An artificial symbiosis. Science 80: 408-  
409. N.2, 1934. no.2079.

Chlorella with animal cells.

Higgins, B. B.

Frank Lincoln Stevens. Science 80: 419-420.

N.9, 1934. no.2080.



Science (cont.)

Vickery, H. B., Pucher, G. W. & Clark, H. E.  
Glutamine in the tomato plant. Science  
80: 459-461. N.16, 1934. no.2081.

Woodworth, R. H.

Perforated fiber-tracheids in the passion  
flowers. Science 80: 449-450. N.16, 1934. no.2081.

The effect of different wave-lengths of light upon  
the growth of plants. Science v.80, no.2080,  
Suppl.p. 10. N.9, 1934.

Experiments of E. S. Johnston, Smithsonian Inst.

More than 30,000 photographic negatives of type  
species preserved in European herbaria [in Field  
museum of natural history]. Science 80: 400.  
N.2, 1934.

Sitzungsb. Ges. Naturf. Freunde Berlin (509B45)

Gothan, W. & Kukuk, P.

Ueber das sogenannte Psymphyllum delvali  
Cambier und Renier. Sitzungsb. Ges.Naturf.  
Freunde Berlin 1/3: 66-77. 2 pl. Ag.1933.

Schiemann, E.

Auf den spuren der ältisten kulturpflanzen.  
Ueber bedeutung und methodik der kulturpflanzen-  
forschung. Sitzungsb. Ges. Naturf. Freunde  
Berlin. 4/7: 228-250. illus. D. 1933.

Soil Sci. (Baltimore) (56.8So3)

Paulie, E. E.

The microflora of Kazakstan sands (Central  
Asia). Soil Sci. 38: 401-406. N.1934. no.5.

Microflora in the rhizosphere of the rubber-  
producing *Chondrilla ambigua*, *C. pauciflora*, *C.*  
*brevirostris*.

So. African Gard. (Johannesburg) (80So87)

Johnston, J. H.

The cultivation of South African plants.  
(cont.) So. African Gard. 24: 238-239.  
illus. O. 1934. no.10.

Plants new or noteworthy. South African plants  
cultivated in the National botanic gardens, Kirsten-  
bosch, and in our readers' gardens. So. African  
Gard. 24: 243-245. illus. O.1934. no.10.

*Freesia framesii*, *Stapelia longipes*, n.spp.



Succulenta (Leeuwarden) (450Sul)

Backeberg, C.

Wat is een Borzicactus? Succulenta 16:  
177-184. illus. N.1934. no.11.

Tashkentskii-Inst. Udobr. i Agropochv. (Inst. Fert. & Agro-  
Soil Sci. Middle-Asia) Sci. Ser. (59.9T18)

Korovinym, E. P.

Sornaiâ rastitel'nost khlopkovykh polei Srednei  
Azii i mery bor'by s neï ... (Weeds of cotton  
fields in Middle Asia and their control). Tash-  
kentskii Inst. Udobr. i Agropochv. (Inst. Fert. &  
Agro-Soil Sci. Middle-Asia) Sci. Ser. no. 1. 240 p.  
illus. (incl.maps) 1934.

Russian

Techn. Publ. N.Y. State Coll. For. Syracuse (99.9M486T)

Lowe, J. L.

The Polyporaceae of New York State (pileate  
species). Techn. Publ. N.Y. State Coll. For.  
Syracuse 41. 142 p. ii pl. Ag. 1934.

Percival, W. C.

A contribution to the biology of *Fomes pini*  
(Thore) Lloyd (*Trametes pini* [Thore] Fries).  
Techn. Publ. N.Y. State Coll. For. Syracuse. 40.  
72 p. illus. Jc.1933.

Tijdschr. Plantenz. (464.8T44)

Quanjier, H. M.

Enkele kenmerken der "vogelings" -ziekte van  
suiker- en voederbieten ter onderscheiding van de  
"zwarte houtvaten" -ziekte. (Some symptoms of the  
"yellowing" disease of sugar and fodder-beet, and  
its differentiation from the "black wood-vessel"  
disease of these hosts). Tijdschr. Plantenz.  
40: 201-214. illus. O.1934. no.10.

English summary: p.212-214. Still questionable  
as to whether this is a virus disease.

Torreya (450T63)

Alexander, A. J.

Two new species of *Amsonia* from the Southwest.  
Torreya 34: 116-118. S./O. 1934. no.5.  
*A. grandiflora*, *A. lanata*.

Harper, R. M.

*Taxodium distichum* in the paleozoic area of  
Alabama. Torreya 34: 105-110. illus. S./O.  
1934. no.5.



Torreya (cont.)

Henry, L. K.

Mycorrhiza of Wading River region, L. I.

Torreya 34: 111-115. illus. S./O. 1934. no.5.

Mueller, C. H.

Some new oaks from western Texas. Torreya  
34: 119-122. S./O. 1934. no.5.

Quercus robusta, Q. graciliformis, n.spp.

Trans. Brit. Mycol. Soc. (London) (451B76)

Brown, W.

Mechanism of disease resistance in plants.

Trans. Brit. Mycol. Soc. 19: 11-33. 0.25, 1934.  
no.1.

Corner, E. J. H.

An evolutionary study in agarics: Collybia  
apalosaurca and the veils. Trans. Brit. Mycol.  
Soc. 19: 39-88. illus. 0.25, 1934. no.1.

Dowson, W. J.

Phytophthora megasperma Dreschler in Tasmania.  
Trans. Brit. Mycol. Soc. 19: 89-90. 0.25, 1934.  
no.1.

On carrots during abnormally wet season.

Petch, T.

Isaria. Trans. Brit. Mycol. Soc. 19: 34-38.  
0.25, 1934. no.1.

Ramsbottom, J.

Naumovia abundans Dobrozzr. Trans. Brit.  
Mycol. Soc. 19: 91-93. pl. 0.25, 1934. no.1.  
On Prunella vulgaris.

Trop. Agriculture West Indies (Trinidad) (26F754)

Baker, R. E. D.

Balansia trinitensis (Cooke and Massee). An  
interesting Trinidad fungus. Trop. Agriculture  
West Indies 11: 293. pl.vii. N.1934. no.11.

On Chactochloa palmifolia & C. sulcata.

Baker, R. E. D.

A threadblight of the tonca bean. Trop.  
Agriculture West Indies 11: 293-294. pl.viii.  
N. 1934. no.11.

Marasmius sp.



Trop. Agriculture West Indies (cont.)

"Marble" arrowroot. Trop. Agriculture West Indies 11: 292. N.1934. no.11.

*Myrosma cannifolia* with starch grains that resemble that of sweet potato, a pest in arrowroot fields.

Trudy Inst. Nov. Lubiān. Syr'ia [Trans. Inst. New Bast Fibers] (Moskva) (73.9M85)

Breslevets, L. P.

Menormal'nosti v razvitii pyl'tsii u razlichnykh sortov i priyivok konopli. Trudy Inst.

Nov. Lubiān Syr'ia [Trans. Inst. New Bast Fibers] 6(1): 55-67. illus. 1934.

Russian. Abnormalities in development of pollen in various kinds of hemp and in grafts of hemp.

Bulgakov, S. V. & Arno, A. A.

Materialy po sortovedeniiu odnoletnikh lubiānykh (Kenaf, kanatnik, iuzhnaia konoplia) [Contributions on the leading annual bast fibers (kenaf, kanatnik, southern hemp)] Trudy Inst. Nov. Lubiān. Syr'ia [Trans. Inst. New Bast Fibers] v.6, no.2. 79 p. 1934.

Russian. Ambarin hemp, *Abutilon avicennae*, hemp.

Rusanov, F. N.

Dikorastushchii kendyr Evrazil. [Wild kendir in Eurazia] Trudy Inst. Nov. Lubiān. Syr'ia [Trans. Inst. New Bast Fibers] v.7. 112 p. illus. ii pl., map. 1933.

Russian. In region from west of Caspian, east thru Chinese Turkestan (Eurazia=Europe-Asia)

Versl. en Meded. Plantenziektenk. Dienst Wageningen (464.9W122) Wageningen. Plantenziektenkundige dienst.

Verslag over de werkzaamheden... in het jaar 1933. Its Versl. en Meded. no.76. 114 p. iii pl. Ag.1934.

Verslag. Landb. Onderz Rijkslandbouwproefst. (Groningen) (105.2V61V)

Meijer, C.

Verslag over een achttiental bemestingsproeven met koperulfaat. Verslag. Landb. Onderz. Rijkslandbouwproefst. (Groningen) 40: 67-173. 1934.

German summary: p.166-169.



Vict. Nat. (Melbourne) (410V66)

Morris, P. F.

Some notes on the grass genus *Amphibromus*.

Vict. Nat. 51: 144-147. pl. xxvi. Oct.

1934. no.6.

Nicholls, W. H.

A variable sun orchid, *Thelymitra aristata*

Ldl. and its forms. Vict. Nat. 51: 153-155.

pl. xxvii. O.1934. no.6.

Exp. Stat. Publ.

Hartman, J. D.

Studies of the effects of storage temperature on the propagation value of potato tubers.

Cornell Agr. Exp. Stat. Mem. 168. 39 p. illus.

iii pl. Je.1934 (Recd Nov.) (100N48C)

Moreland, C. F.

Factors affecting the development of the cotyledonary buds of the common bean, *Phaseolus vulgaris*. Cornell Agr. Exp. Stat. Mem.167.

28 p. illus., ii pl. Je.1934 (Rec'd Nov.) (100N48C)

Bourne, B. A.

Physiological and pathological phases of sugarcane investigation. Ann. Rep. Florida Agr. Exp. Stat.

1932/33: 181-183. [1934] (100F66S)

Florida. Agricultural experiment station.

Plant pathology. In its Ann. Rep. 1932/33:

110-126. [1934] (100F66S)

Florida. Agricultural experiment station

Plant pathological problems in the Everglades.

in its Ann. Rep. 1932/33: 173-177. ]1934[ (100F66S)

Florida. Agricultural experiment station - Citrus experiment station.

[Report] In its Ann. Rep. 1932/33: 137-151.

[1934] (100F66S)

Contains notes on diseases.

Thornton, S. F., Conner, S. D. & Fraser, R. R.

The use of rapid chemical tests on soils and plants as aids in determining fertilizer needs.

Indiana Agr. Exp. Stat. Circ. 204. 16 p. illus.,

3 col.pl. Je.1934. (Rec'd Nov.) (100In2P)



Exp. Stat. Publ. (cont.)

Loree, R. E.

Raspberry growing in Michigan. Michigan  
Agr. Exp. Stat. Circ. Bull. 152. 39 p. illus.  
O.1934. (100M58S)  
Diseases:p.30-37.

Robbins, W. J.

Botany. In Report of the director. Je.30,1933.  
Missouri Agr. Exp. Stat. Bull. 340: 28-34. S.1934.

Chase, W. W.

The composition, quantity, and physiological  
significance of gases in tree stems. Minnesota  
Agr. Exp. Stat. Techn.Bull. 99. 51 p. illus.  
My.1934. (Rec'd Nov.) (100M66)

State Publications.

Dietz, H. F.

The compatibility of spray and dust combina-  
tions used in insect and disease control. Nursery  
Notes Ohio 3(12): 1-4. O.1934. (275.290h32N)  
Reprinted in Flor. Exch. 83(19): 23. N.10,  
1934.

New Books.

Atanasov, D.

Bolesti na kulturnite rasteniiã [Diseases of  
cultivated plants] Sofiia, Prodvorna pechatnit-  
sa (Imprimerie de la cour), 1934(Universitetska bib-  
lioteka no.137) (464At1B)  
Bulgarian.

Balansard, J.

Contribution à l'étude pharmacologique des  
asclepiadacées. Le *Cryptostegia madagascariensis*.  
Lyon, Bosc frères,1933. (396E18)

Böttcher, G.

Die halfa. Eine wirtschaftsgeographische studie  
über eine grasart. Berlin,1933. (60.1B652)  
Inaug.-diss. Greifswald.

Buller, A. H. R.

Researches on fungi. vol. VI. The biology and  
taxonomy of *Pilobolus*, the production and libera-  
tion of spores in the *Discomycetes* and *pseudorhi-  
zae* and gemmifers as organs of certain *Hymenomy-  
cetes*. London, Longmans, Green & Co., 1934.  
(462B87)



New Books (cont.)

Ishkov, S. A.

Sovetskoe rami. Sbornik materialov [Soviet  
ramie. Collection of articles] Moskva, 1934.  
(73.4Is3)

Russian. By various authors.

Lévy, G.

La présence, la répartition et le rôle de  
l'aluminium chez les végétaux. Paris, 1931 (463.2L57)  
Thèse - Fac. de Sci. Paris.

Komorav, V. L.

Flora URSS (Flora Unionis rerumpublicarum  
sovieticarum socialisticarum) II. Leningrad, Editio  
Academiae scientiarum URSS, 1934. (459.2L54)

Glumiflorae, Gramineae: Maydeae-Bambuseae.  
Russian.

Wilson, C. L.

An introduction to plant life. [n.p.]  
1934. (463.3W69)

Reprints from publications not yet rec'd or not available.

Cartledge, J. L.

Genetics of *Datura* pollen. Separate from Biol.  
Lab. 4: 23-24. S.1932. (With Crocker, W. Effect  
of gases upon plants. (Pamph.464.38C)

Crocker, W.

Effect of gases upon plants. Separate from  
Biol. Lab. 4: 19,25-28. S.1932. (Pamph.464.38C)

Ercegović, A.

Ekološke i sociološke studije i litofitskim  
cijanoficejama sa jugoslavenske obale Jadrana  
(Études écologiques et sociologiques des cyano-  
phyces lithophytes de la côte yougoslave de l'  
Adriatique). Reprinted from Rada Jugoslaviska  
Akademija znanosti i umjetnosti. v.244, p.129-  
220. Zagreb, 1932. (461.4Er2)

The French summary is reprinted from Bull. Intern.  
Acad. Yougslave v.26, p.33-56.

Lendner, A.

Une maladie du *Pseudotsuga douglasii*. Re-  
printed from Rev. Hort. Suisse no.10, O.1932. 3 p.  
(Pamph. 464.07L)

Rhabdocline *Pseudotsugae*.



Reprints (cont.)

Rogers, W. B.

Researches on fruit tree root systems. Reprinted from Sci. Journ. Roy. Coll. Sci. 4: 120-129. illus. 1934. (93.5R63)

Viennot-Bourgin, G.

Contribution à l'étude des urédinales en Seine-et-Oise (7.note) De l'activité de Puccinia glumarum (Erikss. & Henn. - en période hivernale dans le département de Seine-et-Oise (région sud). Reprinted from Bull. Soc. Sci. Nat. & Méd. Seine-et-Oise III,2: 21-36. 1934. (Pamph.464.02V)

Correction.

v.16, no.21, p.18.

Under Rev. Sudamer. Bot. (cont.) Merrill, E.D. Parsonia should be Parsonsia.

v.16, no.21, p.28.

Under New Books Mahoney, C.H. growth should be drought.

Non-current indexing.

Rev. Fac. Agron. Univ. Montevideo (102.5M76R)

Ramón y Acosta, D.

Una micosis del naranjo, Alternaria citri Pierce. (Podredumbre interna de la fruta). Rev. Fac. Agron. Univ. Montevideo 6: 99-102. illus. 1932.

Trudy i Issled. Lesn. Khoz. i Lesn. Promyshl. (Mitt. Staatsinst. Wiss. Forsch. Gebiet Forstw. u. Holzind.) Leningrad. (99.9L543)

Bogdanov, P.

O fotoperiodizme u drevesnykh porod (Über photoperiodismus bei den holzarten. Vorläufige mitteilung). Trudy i Issled. Lesn. Khoz. i Lesn. Promyshlen. (Mitt. Staatsinst. Wiss. Forsch. Gebiet Forstw. u. Holzind.) Leningrad 10: 21-55. illus. 1931.

Russian with German summary.

Fedorova-Sarkisova, O. V.

Ob apogamii u iv (Ueber apogamie bei der weide). Trudy i Issled. Lesn. Khoz. i Lesn. Promyshlen (Mitt. Staatsinst. Wiss. Forsch. Gebiet Forstw. u. Holzind.) Leningrad 10: 57-64. 1931.

Russian with German summary.



Trudy i Issled. Lesn. Khoz. i Lesn. Promyshl. (Mitt. Staatsinst. Wiss. Forsch. Gebiet Forstw. u. Holzind.) Leningrad. (cont.) Sokolov, S. Ia.

Obshchiiĭ estestvenno-istoricheskiĭ i lesovodstvennyi ocherk Sochinskogo raiona [General natural history and forestry outline of Sochi region]

Trudy i Issled. Lesn. Khoz. i Lesn. Promyshl. (Mitt. Staatsinst. Wiss. Forsch. Gebiet Forstw. u. Holzind. Leningrad 14: 5-96. illus. 1931.

Russian.

Solov'ev, F. A.

Glavneishie gribnye bolezni lesnykh porod Sochinskogo raiona Severo-Kavkazskago kraia- [Principal fungus diseases of forest species of Sochi region, North Caucasus] Trudy i Issled. Lesn.

Khoz. i Lesn. Promyshl. (Mitt. Staatsinst. Wiss. Forsch. Gebiet Forstw. u. Holzind.) Leningrad 14: 171-191. illus. 1931.

Russian.

Stratonovich, A. I. & Zaborovskii, E. P.

Prichiny usykhaniia Shipova lesa (Die ursache des eichensterbens im Schipoff-forst). Trudy i Issled. Lesn. Khoz. i Lesn. Promyshlen. (Mitt. Staatsinst. Wiss. Forsch. Gebiet Forstw. u. Holzind.) Leningrad no.9. 87 p. illus. 1931.

Russian with German summary. Physiological with secondary destruction by parasites.

Šukachev, V. N.

O dvukh novykh tsennykh dlia lesnogo khoziaistva drevesnykh porodakh (Ueber zwei neue wirtschaftlich wertvolle holzarten). Trudy i Issled. Lesn. Khoz. i Lesn. Promyshlen. (Mitt. Staatsinst. Wiss. Forsch. Gebiet Forstw. u. Holzind.) Leningrad 10: 1-20. illus. 1931.

Russian with German summary and Latin diagnoses (Larix maritima, L. lubarskii, Salix stenophylla).

Translations filed in Library of Bur. of Plant Industry.

Brenner, W.

Die stickstoffnahrung der schimmelpilze (The nitrogen nutrition of the mold fungi). Centralbl. Bakt. Abt.2, 40: 555, 647. 1914.



Translations. (cont.)

Honert, T.H. van den

Onderzoekingen over de voedingsphysiologie van het suikerriet. 2e. Bijd. Proeven over fosphaatopname (Investigations on the physiology of the nutrition of sugar cane). Arch. Suikerind. Nederl. Indië 1933, pt.3 (Meded.23):119-1156. 1933.

Jørstad, I.

Innberetning... om soppsykdommer på skogtraerne i arene 1926-30 (Report on fungus diseases of forest trees in the years 1926-30). Beretn. Norske Skogv. 1930: 78-96. 1931.

Kitajima, K.

Ueber die antiseptische wirkung der höheren fettsäuren gegen holzerstörende pilze (On the antiseptic effect of higher fatty acids against wood-destroying fungi). Bull. Imp. For. Exp. Stat. Tokyo 31: 108-113. 1931.

Translation of German summary of article in Japanese.

Lindfors, T.

Almöden [Dutch elm disease]. Lustgården 12: 75-83. 1931.

Lutz, L.

Nouvelles expériences sur la spécificité des champignons hyménomycètes lignicoles vis-à-vis de leurs supports. Sur la spécificité du Corticium quercinum (New observations on the specificity of the ligneous hymenomycete fungi with respect to their hosts). Bull. Soc. Mycol. France 45: 271-263. Mr.30,1930.

Martínez, J. B.

Una grave micosis del pino observada por primera vez en España (A serious mycosis of the pine observed for the first time in Spain). Bol. Soc. Españ. Hist. Nat. 33: 25-30. F.20, 1933.

Massalongo, C.

A proposito di scopazzi osservati sopra un Ulmus campestris L. (Witches broom observed on a specimen of Ulmus campestris L.). Bull. Soc. Bot. Ital. 1924: 159-161. O.29, 1924.



Translations. (cont.)

Metz, O.

Ueber wachstum und farbstoffbildung einiger pilze unter dem einfluss von eisen, zink und kupfer (On the growth and coloring of certain fungi under the influence of iron, zinc and copper) Arch. Microbiol. 1: 197-251. 1930.

Millardet, A. & Gayon, U.

Traitement du mildiou par le mélange de sulfate de cuivre et de chaux (Control of mildew by mixture of sulfate of copper and lime). Journ. Agr. Prat. 49(2): 707-710. 1885.

Pape, H.

Ein massensterben von ulmen in Deutschland (Epidemic destruction of elms in Germany) Nachrichtenbl. Deut.Pflanzenschutzd. 4: 84-85. 1924.

Petersen, E.

Undersøgelser over bønnebakterioser i sommeren i 1931 (Investigation of a bacterial disease of the bean occurring in the summer of 1931) Tidsskr. Planteavl. 38: 826-856. 1932.

Priehäusser, G.

Ueber den zunderschwamm (Polyporus fomentarius) (On the tinder fungus (Polyporus fomentarius). Zeitschr. Pilzk. 15(n.s.10): 115-119. Ag.30, 1931.

Ribéreau-Gayon, J.

Sur le traitement du mildiou de la vigne par les cupriques (On the control of mildew of the vine by copper fungicides). Compt. Rend. Acad. Agr. France 20: 184-189. F.7, 1934.

Roepke, W.

Die bedeutung des Scolytus scolytus als überträger der sogenannten holländischen ulmenkrankheit (The significance of the Scolytus scolytus as a carrier of the so-called Dutch elm disease). Wanderversamml. Deut. Entomol. 4: 153-156. 1930.

Rünke, C. L. jr.

Saccharum-Erianthus bastaarden (Hybrids of Saccharum-Erianthus). Arch. Suikerind. Nederl. 1934, v.2 (Meded.7): 211-263. 1934.

Schaffnit, E. & Lüdtke, M.

Ueber die bildung von toxinen durch verschiedene pflanzenparasiten (Concerning the formation of toxins by various plant parasites). Ber. Deut. Bot. Ges 50: 444-463. 1932.



Translations. (cont.)

Sil'vestrov, A. D.

O zarazhenii gribnymi vrediteliami kruglogo lesa i pilomaterialov na skladakh Kuznetskogo raiona Sredne-Volzhskogo kraia (The infection of round timber and sawed materials by fungous pests in storage in the Kuznetzk region of the middle Volga district). Izv. Leningr. Inst. Bor. Vred. Sel.i Lesn. Khoz. (Bull. Leningr. Inst. Contr. Farm. & For. Pests) 3: 79-87. 1932.

Stapp, C.

Derzeitiger stand der erforschung des "ulmensterbens" (Present stage of the research work relating to the "elm die-back".) Mitt. Deut. Dendrol. Ges. 43: 334-342. 1931.

Stapp, C.

Ueber die ursache des ulmensterbens (Concerning the cause of elm-dying). Mitt. Deut. Dendrol. Ges. 40: 139-146. 1928.

Tubeuf, K. v.

Studien über symbiose und disposition sowie über vererbung pathologischer eigenschaften unserer holzpflanzen. IV. Disposition der fünfnadeligen Pinusarten, einerseits, und der verschiedenen Ribes-gattungen, arten, bastarde und gartenformen andererseits für den befall von Cronartium ribicola (Studies on relationship and susceptibility as well as heredity of pathological properties of our woody plants. IV. Susceptibility of the five-needle Pinus species on one side, and the various Ribes genera, species, hybrids and garden varieties on the other side, to infection with Cronartium ribicola). Zeitschr. Pflanzenkr. 43: 433-471. 1933.

(p.436-456 omitted)

Vanin, S. I.

K voprosu o vliianii sinevy na propitku drevesiny (The effect of blue stain impregnation of wood). Bolezni Rast. (Morbi Plant.) 15: 187-192. 1926.

Vanin, S. I.

Sineva drevesiny i mery bor'by neiü (Blue stain of timber and how to control it). Moskva, Leningrad, 1932.

Villedieu, G. & Villedieu, Mme.

De la non-toxicité du cuivre pour le mildiou. Compt. Rend. Acad. Sci. Paris 172: 335-336. F. 1921. no.6.

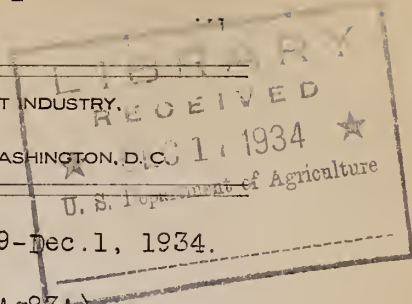


LC

# BOTANY

## CURRENT LITERATURE

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.



Vol. 16, no. 24.

Nov. 19-Dec. 1, 1934.

Agr. & Live-stock, India (Calcutta) (22Ag83A)

Luthra, J. C. & Sattar, A.

The loose smut disease of wheat (vernacular "Kangiari") and some new methods of its control. Agr. & Live-stock, India 4: 495-594. illus. S. 1934. no.5.

Pal, B. P.

Recent progress in plant breeding at Pusa. Agr. & Live-stock, India 4: 595-515. S.1934. no.5.

Agr. Journ. Brit. Guiana (Georgetown) (9.6B774)

Archer, W. A.

Fish poison plants of British Guiana. (A preliminary list). Agr. Journ. Brit. Guiana 5: 204-206. S. 1934. no.3.

Codd, L. E. W.

Vernalization - a recent development in agricultural research and its application to rice. Agr. Journ. Brit. Guiana 5: 212-213. S.1934. no.3.

Agron. Colon. (Paris) (26Ag312)

Dantzer, J. & Reehrich, O.

Etude de la filasse de "palle" de l'Oubangui-chari (*Securida* (sic) *longipedunculata* Fred.) Agron. Colon. 23(2): 110-113. illus. O. 1934. Securidaca.

Mallamaire, A.

L'année phytopathologique en Cote-d'Ivoire. Agron. Colon. 23(2):114-119. O. 1934. no.202. I. Entomologie. II. Maladies cryptogamiques.

Agronomia (Tartu, Esthonia) (20Ag87)

Rootsi, N.

Kaera juuremassist (Ueber die wurzelmasse des hafers). I-II. Agronomia 14:333-340, 386-391. S..O., 1934. no.9,10.

German summary: p.419-420.



- Amer. Bot. (Indianapolis, Ind.) (450Am33)  
Clute, W. N.  
    Marijuana. Amer. Bot. 40: 51-58. pl.  
Ap. 1934. no.2.  
    Drug from hemp, same as hashish.
- Clute, W. N.  
    The meaning of plant names. LVII-LX. Amer.  
Bot. 40: 20-25, 64-71, 112-118, 156-161. Ja., Ap.,  
Jl., O. 1934. no.1,2,3,4.  
    LVII, LVIII. The umbellifers (2). LIX. Teasels  
and bellworts. LX. Lobelias and valerians.
- Clute, W. N.  
    The passion-flower. Amer. Bot. 40: 99-102.  
pl. Jl. 1934. no.3.
- Clute, W. N.  
    Plants and sunlight. Amer. Bot. 40: 167-171.  
O 1934. no.4.
- Clute, W. N.  
    Seed dispersal in Oenothera. Amer. Bot. 40:  
173-174. O. 1934. no.4.
- Egerton, J. B.  
    The Gray memorial botanical association.  
Amer. Bot. 40: 198-200. O.1934. no.4.  
    The American botanist becomes its official  
organ.
- Greulich, V. A.  
    The secret of the seasons. Amer. Bot. 40:  
102-111. Jl. 1934. no.3.
- Hull, E. D.  
    Two plants new to Indiana. Amer. Bot. 40:  
177. O. 1934. no.4.  
    Glycyrrhiza lepidota, Tribulus terrestris.
- Jones, H. C. Rev.  
    The Yucca date. Amer. Bot. 40: 145-146.  
pl. O. 1934. no.4.  
    Y. baccata.
- Neff, I. J.  
    Hanging gardens of the Wabash. Amer. Bot. 40:  
5-8. Ja. 1934. no.1.



Amer. Bot. (cont.)

Schantz, O. M.

- An odd hybrid oak. Amer. Bot. 40: 3-5.  
pl. Ja. 1934. no.1.  
x *Quercus bebbiana orpheusi* Pepon & Trelease.

Stevens, O. A.

- The flower-of-an-hour. Amer. Bot. 40: 148-  
156. O. 1934. no.4.  
*Hibiscus trionum*.

Stevens, O. A.

- Why scientific names are changed. Amer. Bot.  
40: 8-16. Ja. 1934. no.1.

Wood, C. W.

- Some American gromwells. Amer. Bot. 40: 17-  
19. Ja. 1934. no.1.  
*Lithospermum*.

Amer. Midl. Nat. (Notre Dame, Ind.) (41OM58)

Berry, W.

- A fossil willow from Ohio. Amer. Midl. Nat.  
15: 781-783. illus. N. 1934. no.6.  
*Salix uva-ursi*.

Kindle, E. M.

- Concerning "lake balls", "Cladophora balls"  
and "coal balls". Amer. Midl. Nat. 15: 752-760.  
illus. N. 1934. no.6.

Lillick, L. C. & Lee, I. M.

- A check-list of Ohio algae with additions  
from the Cincinnati region. Amer. Midl. Nat.  
15: 713-751. N.1934. no.6.

Steere, W. C.

- The bryophytes of the Chase S. Osborn preserve  
of the University of Michigan, Sugar Island, Chippewa  
County, Michigan. Amer. Midl. Nat. 15: 761-  
769. N.1934. no.6.

Turner, L. M.

- Grassland in the floodplain of Illinois rivers.  
Amer. Midl. Nat. 15: 770-780. illus. N.1934.  
no.6.



Ann. Appl. Biol. (London) (442.8An72)

Ainsworth, G. C.

A comparison of certain English and Canadian potato viruses found infecting tomatoes. Ann. Appl. Biol. 21: 581-587. pl.xxviii. N.1934. no.4.

Ainsworth, G. C., Berkeley, G. H. & Caldwell, J.

A comparison of English and Canadian tomato virus diseases. Ann. Appl. Biol. 21: 566-580. pl.xxvi-xxvii. N.1934. no.4.

Lacey, M. S.

Studies in bacteriosis. XXI. An investigation of marsh spot of peas. Ann. Appl. Biol. 21: 621-640. pl. xxxii. N.1934. no.4.

With a note on the morphological structure by Brian J. Grieve.

Macdonald, J. A.

The life history and cultural characteristics of *Typhula gyrans* (Batsch) Fries. Ann. Appl. Biol. 21: 590-613. illus., pl.xxix-xxx. N. 1934. no.4.

Martin, J. T. & Tattersfield, F.

The effect of environmental conditions upon pyrethrum (*Chrysanthemum cinerariaefolium*). I-II. Ann. Appl. Biol. 21: 670-681, 682-690. pl. xxxiii-xxxv. N. 1934. no.4.

Storey, H. H.

The photodynamic action of methylene blue on the virus of a plant disease. Ann. Appl. Biol. 21: 588-589. N.1934. no.4.

Thorold, C. A.

Production of an artificial epidemic of wheat stem rust in Kenya Colony. Ann. Appl. Biol. 21: 614-620. pl. xxxi. N. 1934. no.4.

Worsley, R. R. LeG.

The insecticidal properties of some East African plants. I- Ann. Appl. Biol. 21: 649-669. N. 1934. no.4.



Ann. Rep. Dept. Agr. Cyprus (21C99)

Nattrass, R. M.

Annual report of the mycologist for the year 1933. Ann. Rep. Dept. Agr. Cyprus 1933: 48-58. illus. 1934.

Citrus spp.: p.50-55 (Form of *Fusarium lateritium* on orange; slow rot of lemon fruit caused by undetermined fungus, "something between *Macrophomina* and *Dothoriella*").

Ann. Rep. Dept. Agr. New Zealand. (23N48)

Cunningham, G. H.

Mycology section. Ann. Rep. Dept. Agr. New Zeal. 1933/34: 39-42. 1934.

Ann. Rep. Dept. Agr. Uganda Prot. (Kampala) (24Ug12)

Hansford, C. G.

Annual report of the mycologist, 1933. Ann. Rep. Dept. Agr. Uganda Prot. 1932/33(pt.2): 48-51. 1934.

Arb. Hess. Bauernkammer (Darmstadt) (18D25)

Ihne, E.

Phaenologische mitteilungen jahrgang 1932  
Arb. Hess. Bauernkammer no.51. 36 p. 1933.

Ber. Deut. Bot. Ges. (Berlin) (451D48)

Burgeff, H.

Pflanzliche avitaminose und ihre behebung durch vitaminzufuhr. Ber. Deut. Bot. Ges. 52: 384-390. pl. ix. 0.25, 1934. no.7.  
Vorläufige mitteilung.

Ross, H.

Reinkulturen pilzlicher symbionten von insektenlarven. Ber. Deut. Bot. Ges. 52: 391-406. illus. 0.25, 1934. no.7.

Vorläufige mitteilung.

Schaede, R.

Proteolytische enzyme in pflanzen. Ber. Deut. Bot. Ges. 52: 378-383. 0.25, 1934. no.7.

Veh, R. v.

Ueber fruchtbarkeit und unfruchtbarkeit bei höheren pflanzen. Ber. Deut. Bot. Ges. 52: 407-416. illus. 0,25, 1934. no.7.



Biol. Gen. (Vienna) (442.8B525)

Hafekost, G.

Zur frage der obstunterlagenzüchtung. Biol.  
Gen. 10: 607-614. 1934. no.2.

Lohwag, H.

Mykologische studien. X. Pleurotus calyptratus  
Fr. Ein beitrag zur histologisch-biologischen char-  
akterisierung der ringhüllen. Biol. Gen. 10:  
457-468. pl.xii. 1934. no.17.

Schussnig, B.

Die determinierung des geschlechtes bei  
Cladophora und die phylogenie des generations-  
wechsels. Biol. Gen. 10: 301-340. illus.  
1934. no.2.

Werner, O.

Leitbahnen und gesamtgestaltung der pflanze.  
Biol. Gen. 10: 417-424. 1934. no.2.

Ziegenspeck, H.

Die physikalische chemie der schwer benetzbaren  
sporen und sägespanförmigen samen. Ein beitrag zu  
deren biologie und der differenzierung der "epider-  
malen korksubstanzen". Biol. Gen. 10: 615-656.  
1934. no.2.

Blumen u. Pflanzenb. Vereinigt Gartenw. (Berlin) (80G196)

Noack, E.

Blattfallkrankheit der schnittrosen unter glas.  
Blumen u. Pflanzenb. Vereinigt Gartenw. 38: 555.  
illus. N.1934. no.44.

Schultz, H.

Ueber das auftreten der echten mehltaupilze.  
Blumen u. Pflanzenb. Vereinigt Gartenw. 38: 553-  
554. illus. N.1934. no.44.

Sommer, H.

Antirrhinum-rost jetzt auch in Deutschland.  
Blumen u. Pflanzenb. Vereinigt Gartenw. 38: 558.  
Illus. N. 1934. no.44.

Bol. Soc. Españ. Hist. Nat. (Madrid) (506M263B)

Unamuno, L. M.

Notas micológicas. VIII. Bol. Soc. Españ.  
Hist. Nat. 34: 249-259. illus. Jl.15, 1934.  
no.4/5.



- Bull. Dept. Agr. Feder. Malay States (22.5B31Bg)  
Thompson, A.  
Annual report of the year 1933. Division of  
mycology. Bull. Dept. Agr. Feder. Malay States  
Gen. Ser. no.19: 55-62. 1934.
- Bull. Sci. Pharm. (Paris) (396.8B872)  
Martin-Sans, E. & Lh6ritier, G.  
La racine de salsepareille indig6ne. Bull.  
Sci. Pharm. 41: 524-533. illus. O. 1934. no.10.
- Bull. Soc. Centr. For. Belgique (99.9B83)  
Poskin, A.  
Feuilleaison et d6feuilleaison du chene p6doncul6  
et du chene rouvre en Belgique. Bull. Soc.  
Centr. For. Belgique 1934: 420+429. O. 1934. no.10.
- Cactus & Succ. Journ. (Los Angeles) (451C11)  
Baxter, E. M.  
California cacti. XVI. Opuntia echinocarpa.  
Cactus & Succ. Journ. 6: 71-72. illus. N.1934.  
no.5.
- Croizat, L.  
Euphorbia ramipressa. Cactus & Succ. Journ.  
6: 78-79. N.1934. no.5.
- Hertrich, W.  
Two yuccas not often cultivated. Cactus &  
Succ. Journ. 6: 67-78. illus. N.1934. no.5.  
Y. australis, Y. valida.
- Poindexter, R. W.  
New garden species. IV. Cactus & Succ. Journ.  
6: 74-75. illus. N.1934. no.5.
- Weimer, H. A.  
Edibility of cactus. Cactus & Succ. Journ.  
6: 69-71. N.1934. no.5.
- Canad. Journ. Res. (Ottawa) (330.9C16C)  
Johnson, T. & Johnson, O.  
Studies on the nature of disease resistance in  
cereals. II. The relationship between sugar content and  
reaction to stem rust of mature and immature tissues  
of the wheat plant. Canad. Journ. Res. 11: 582-  
588. N. 1934. no.5.

(1944) (1944) (1944)

The following information was obtained from the records of the Department of the Interior, Bureau of Land Management, regarding the land in question.

(1944) (1944) (1944)

The land in question was acquired by the United States Government in 1944, and was subsequently transferred to the Bureau of Land Management.

(1944) (1944) (1944)

The land in question was acquired by the United States Government in 1944, and was subsequently transferred to the Bureau of Land Management.

(1944) (1944) (1944)

The land in question was acquired by the United States Government in 1944, and was subsequently transferred to the Bureau of Land Management.

(1944) (1944) (1944)

The land in question was acquired by the United States Government in 1944, and was subsequently transferred to the Bureau of Land Management.

(1944) (1944) (1944)

The land in question was acquired by the United States Government in 1944, and was subsequently transferred to the Bureau of Land Management.

(1944) (1944) (1944)

The land in question was acquired by the United States Government in 1944, and was subsequently transferred to the Bureau of Land Management.

(1944) (1944) (1944)

(1944) (1944) (1944)

The land in question was acquired by the United States Government in 1944, and was subsequently transferred to the Bureau of Land Management.

(1944) (1944) (1944)

Canad. Journ. Res. (cont.)

Newton, M. & Brown, A. M.

Studies on the nature of disease resistance in cereals. I. The reaction to rust of mature and immature tissues. Canad. Journ. Res. 11: 564-581. pl. i. N. 1934. no.5.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)

Fron, G.

Observations sur l'influence de la pluviosité sur le développement de la maladie du coeur de la betterave. Compt. Rend. Acad. Agr. France 20: 883-888. N.7, 1934. no.27.

Viennot-Bourgin, F.

De l'influence des facteurs climatiques de 1933 et 1934 sur le développement de quelques parasites cryptogames. Compt. Rend. Acad. Agr. France 20: 839-843. 0.31, 1934. no.26.

Zacharewicz, E.

Traitement pour combattre en même temps la brunissure et la chlorose de la vigne. (cont.) Compt. Rend. Acad. Agr. France 20: 897-900. N.7, 1934. no.27.

Compt. Rend. Acad. Sci. Paris (505P21)

Beauverie, J.

Sur les causes de la résistance individuelle de cellules de microorganismes de même espèce soumises à l'action des rayons ultraviolets. Compt. Rend. Acad. Sci. Paris 199: 881-883. 0.29, 1934. no.18.

Experiments with *Saccharomyces cerevisiae*.

Colin, H.

Sur l'anidone des floridées. Compt. Rend. Acad. Sci. Paris 199: 968-970. N.5, 1934. no.19.

Daniel, L.

Les graines déficientes du topinambour greffé. Compt. Rend. Acad. Sci. Paris 199: 914-917. N.5, 1934. no.19.

Hédin, L.

Hérédité d'un maïs anormal. Compt. Rend. Acad. Sci. Paris 199: 1062-1064. N.12, 1934. no.20.



Compt. Rend. Acad. Sci. Paris (cont.)

Junelle, H.

Les Plectaneaia, apocynacées de Madagascar.  
Compt. Rend. Acad. Sci. Paris 199: 995-997.  
N.12, 1934. no.20.

Lallemand, S.

Sur la faculté et l'énergie germinative de  
graines sèches irradiées. Compt. Rend. Acad.  
Sci. Paris 199: 1064-1066. N.12, 1934. no.20.

Lesage, P.

Sur l'hérédité de la précocité acquise dans le  
*Lepidium sativum*. Compt. Rend. Acad. Sci. Paris  
199: 971-973. N.5, 1934. no.19.

Molliard, M.

Bruyères et mycorhizes. Compt. Rend. Acad.  
Sci. Paris 199: 900-902 N.5, 1934. no.19.

Moreau, F. & Moruzi, C.

La bipolarité sexuelle entre ascomycètes  
d'espèces différentes. Compt. Rend. Acad. Sci.  
Paris 199: 1061-1062. N.12, 1934. no.20.  
*Neurospora tetrasperma*.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Dangeard, P.

Les chromocentres du noyau et leurs relations  
avec les nucléoles. Compt. Rend. Soc. Biol. Paris  
117: 375-376. 1934. no.30.

Experiments with *Lathræa clandestina*.

Dufrenoy, J.

Effets d'un bactériophage sur l'appareil  
vacuolaire du *Bacterium tabacum*. Compt. Rend. Soc.  
Biol. Paris 117: 373-374. illus. 1934. no.30.

Dufrenoy, J.

Un virus des renonculacées transmissible au  
*Nicotiana tabacum*. Compt. Rend. Soc. Biol. Paris  
117: 346-348. illus. 1934. no.30.

Eichhorn, A. & Franquet, R.

A propos de la réaction nucléale de Feulgen.  
Compt. Rend. Soc. Biol. Paris 117: 326-328. 1934.  
no.30.



Current Science (Bangalore) (475Sci23)

Bhat, S. S.

The origin of the Santra orange. Current  
Science 3: 151-152. O. 1934. no.4.

Maheshwari, P. & Singh, B.

A preliminary note on the morphology of the  
aerial and underground flowers of *Commelina*  
*benghalensis*, Linn. Current Science 3: 158-160.  
illus. O. 1934. no.4.

Sastri, B. N. & Sreenivasaya, M.

Study of plant tissue fluids. (cont.)  
Current Science 3: 150-151. O. 1934. no.4.

Cytologia (Tokyo) (442.8C99)

Dusseau, A.

Etude cytologique d'un hybride de deux *Triticum*  
*vulgare* Host, à phénotype de *T.durum* Desf.  
Cytologia (Tokyo) 5: 491-497. illus. O.1934.  
no.4.

Janaki Ammal, E. K.

Polyploidy in *Solanum melongena* Linn.  
Cytologia (Tokyo) 5: 453-459. illus. O.1934.  
no.4.

Kisser, J.

Ueber die erweichung harter pflanzlicher  
materialien mittels karbolsäure. Cytologia  
(Tokyo) 5: 520-525. O. 1934. no.4.

Olmo, H. P.

Prophase association in triploid *Nicotiana*  
*tabacum*. Cytologia (Tokyo) 5: 417-431. illus.  
O. 1934. no.4.

Vakar, B. A. & Krot, E. G.

A cytological study of constant wheat-rye  
hybrids. Cytologia (Tokyo) 5: 395-416. illus.  
O. 1934. no.4.

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (511P444)

Tserling, V. V. & Chepikova, A. R.

K voprosu o tipe protsessy *yarovizatsii* II (On  
the question of the type of the process of *yarovization*).

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS)  
n.s., 3: 539-543. S.1, 1934. no.7.

Russian with English summary.

1945 (1945) (1945)

1945

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945

1945

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945

1945 (1945) (1945)

1945 (1945) (1945)

1945

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

1945 (1945) (1945)

Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) (cont.)  
Vasil'ev, I. M.

O faktorakh yarovizatsii ozimnykh restenii (On factors of vernalization of winter varieties). Dokl. Akad. Nauk SSSR (Compt. Rend. Acad. Sci. URSS) n.s., 3: 533-539. S.1, 1934. no.7.

Russian with English summary. Winter wheats.

Entom. & Phytopath. Hangchow, China. (C423.92En8)

Wang, C.

Notes on the diseases of economic plants in Hangchow, April 1934. Entom. & Phytopath.

Hangchow, China 2: 576-580. O.11, 1934. no.29.

Faserforsch. (Leipzig) 73.8F26)

Fleischmann, R.

Beiträge zur Hanfzüchtung. Faserforsch.

11: 156-161. illus. N.8, 1934. no.3.

Gard. Bull. Straits Settlement. (Singapore)

Alston, A. H. G.

The genus *Selaginella* in the Malay Peninsula.

Gard. Bull. Straits Settlement. 8: 41-62. O.10, 1934. no.1.

Baker, J. A.

Notes on the biology of *Macaranga* spp.

Gard. Bull. Straits Settlement. 8: 63-68. pl. xi-xv. O.10, 1934. no.1.

Synington, C. F.

Notes on Malayan Dipterocarpaceae. II.

Gard. Bull. Straits Settlement. 8: 1-40. pl. i-x. O.10, 1934. no.1.

Gard. Chron. (London) 80G162)

Pancroft, H.

Notes on the status and nomenclature of the British elms. VI. The common or English elm.

Gard. Chron III,96: 334-335. illus. N.10, 1934. no.2498.

Hay, T.

*Nuttallia* (*Bartonia*) *decapetala*, Greene.

Gard. Chron. III,96: 316. illus. N.3, 1934. no.2497.



Gard. Chron. (cont.)

Nelmes, W.

Three shrubby salvias. Gard. Chron. III,  
96: 316. N.3,1934. no.2497.

*S. grahamii*, *S. gregii*, *S. neurepia*.

Ward, F. K.

Mr. F. Kingdon Ward's twelfth expedition in  
Asia. VII. The Great Snow Range. Gard. Chron.  
III, 96: 318-319. illus. N.3, 1934. no.2497-.

Gartenschoheit. (Berlin) (80G199)

Geier, M.

Fruchtende wildrosenschönheit. Gartenschön-  
heit 15: 220-227. illus. O.1934. no.10.

Genetics (442.8G28)

Jones, D. F.

Unisexual maize plants and their bearing on  
sex differentiation in other plants and in animals.  
Genetics 18: 552-567. illus. N.1934. no.6.

Showalter, F. K.

Self flower-color inheritance and mutation in  
*Mirabilis Jalapa* L. Genetics 19: 568-580.  
illus. N. 1934. no.6.

House and Gard. (Greenwich, Conn.) (80H81)

Gabrielson, I. N.

Plants of the Appalachians. House and Gard.  
66(6): 54-55, 78,82,87. illus. D.1934.

Ital. Agr. (Milan) (16I61)

Goidanich, A. & Goidanich, G.

*M<sub>o</sub>ria degli olmi e scolitidi*. Ital. Agr.  
71: 941-948. illus. O.1934. no.10.

Izv. Akad. Nauk SSSR (Bull. Acad. Sci. URSS) (Leningrad) (511Sa2B)

Zalessky, M. D.

Observations sur les végétaux nouveaux du terrain  
permien du bassin de Kousnetzk. II. Izv. Akad. Nauk  
SSSR (Bull. Acad. Sci. URSS VII, Cl. Sci. Math. et  
Nat.) 1934: 743-766. illus., pl. no.5.



Journ. Agr. Res. (Washington, D. C.) (1Ag84J)

Kendrick, J. B.

Bacterial blight of carrot. Journ. Agr. Res.  
49: 493-510. illus. S.15, 1934(Rec'd N.16) no.6.  
*Pseudomonas carotae* n.sp.

McNamara, H. C., Wester, R.E. & Gunn, K. C.

Persistent strands of the cotton root-rot  
fungus in Texas. Journ. Agr. Res. 49: 531-538.  
illus. S.15,1934(Rec'd N.16). no.6.

Neal, D.C., Wester, R.E. & Gunn, K. C.

Morphology and life history of the cotton  
root-rot fungus in Texas. Journ. Agr. Res.  
49: 539-548. illus., 11 pl. S.15, 1934(Rec'd  
N.16). no.6.

Woodroof, J. G. & Woodroof, N. C.

Pecan root growth and development. Journ.  
Agr. Res. 49: 511-530. illus. S.15, 1934 (Rec'd  
N.16) no.6.

Yarwood, C. E.

Effect of mildew and rust infection on dry  
weight and respiration of excised clover leaflets.  
Journ. Agr. Res. 49: 549-558. illus. S.15,1934.  
(Rec'd N.16) no.6.

Young, P. A.

Penetration, distribution, and effect of  
petroleum oils in apple. Journ. Agr. Res.  
49: 559-571. 2 pl. S.15, 1934(Rec'd N.16) no.6.

Journ. Amer. Soc. Agron. (Geneva, N.Y.) (4Am34P)

Adair, C. R.

Studies on blooming in rice. Journ. Amer. Soc.  
Agron. 26: 965-973. N.1934. no.11.

Florell, V. H. & Faulkner, B.

Growth of wheat during the heading period.  
Journ. Amer. Soc. Agron. 26: 954-964. N.1934. no.11.

Melchers, L. E. & Brunson, A. M.

Effect of chemical treatments of seed corn on  
stand and yield in Kansas. Journ. Amer. Soc. Agron.  
26: 909-17. N.1934. no.11.



Journ. Amer. Soc. Agron. (cont.)

Tysdal, E. M. & Pieters, A. J.

Cold resistance of three species of Lespedeza compared to that of alfalfa, red clover, and crown vetch. Journ. Amer. Soc. Agron. 26: 923-928 N.1934. no.11.

Journ. Bot. (London) (450J82)

Exell, A. W.

Three new species of Grewia from Tanganyika Territory. Journ. Bot. 72: 314-316. N.1934. no.863.

*G. burttii*, *G. dumicola*, *G. utilis* n.spp.

Fendle, A. B.

*Convolvulus arvensis* L. with quinquepartite corolla. Journ. Bot. 72: 319-320. N.1934. no.863.

Tutin, T. G.

New species from British Guiana, Cambridge university expedition, 1933. Journ. Bot. 72: 306-314. illus. N.1934. no.863.

Mr. John Gossweiler's plants from Angola and Portuguese Congo. Pteridophyta. [By A.E.G. Alston] (concl.) Journ. Bot. Suppl. v.72, p.9-11. N.1934. no.863.

Journ. Chem. Soc. London. (382L84J)

Heilbron, I., Phipers, R.F. & Wright, H. R.

The chemistry of the algae. I. The algal sterol fucosterol. Journ. Chem. Soc. London 1934: 1572-1576. O.1934.

Journ. Gen. Physiol. (Baltimore) (447.8J822)

French, C. S., Kahn, H. I. & Tang, P. S.

Temperature characteristics for the metabolism of *Chlorella*. II-III. Journ. Gen. Physiol. 18: 193-207, 209-213. N.20, 1934. no.2.

II. The rate of respiration of cultures of *Chlorella pyrenoidosa* as a function of time and of temperature. III. The catalytic decomposition of hydrogen peroxide by *Chlorella pyrenoidosa*.

Oster, R. H.

Results of irradiating *Saccharomyces* with monochromatic ultra-violet light. I-III. Journ. Gen. Physiol. 18: 71-88, 243-250, 251-254. S.20, N.20, 1934. no.1,2.



Journ. Gen. Physiol. (cont.)

Osterhout, W.J.V.

Nature of the action current in *Nitella*. I.

Journ. Gen. Physiol. 18: 215-227. illus.

N.20, 1934. no.2.

Journ. Genetics (London) (442.8J823)

Goodspeed, T. H. & Avery, P.

The cytogenetics of fourteen types derived from a single x-rayed sex cell of *Nicotiana tabacum*.

Journ. Genetics 29: 327-353. illus., pl.xxiv-

xxix. O.1934. no.3.

Lammerts, W. E.

Derivative types obtained by back-crossing *Nicotiana rustica-paniculata* to *N. paniculata*.

Journ. Genetics 29: 355-366. pl.xxx-xxxii.

O. 1934. no.3.

Lunden, A. P. & Jørstad, I.

Investigations on the inheritance of immunity to wart disease (*Synchytrium endobioticum* [Schilb.]

Perc.) in the potato. Journ. Genetics 29: 375-

385. O. 1934. no.3.

Saunders, E. R.

The history, origin and characters of certain interspecific hybrids in *Nolana* and their relation

to *Nolana paradoxa*. Journ. Genetics 29: 387-419.

col. pl. xxxiii-xxxvi. O. 1934. no.3.

Journ. Hered. (Washington) (442.8Am3)

Darrow, G.M., Waldo, G.F., Schuster, C.E. & Pickett, B.S.

Twelve years of strawberry breeding. II. From 170,000 seedlings, seven named varieties; A summary

of the crosses made and an evaluation of their effectiveness as breeding material.. Journ. Hered.

25: 451-462. illus. N.1934. no.11.

Stewart, G.

Abnormalities in inbred alfalfa and sugar-beets. Journ. Hered. 25: 449. illus. N.

1934. no.11.

Journ. Japanese Bot. (450J8223)

Akiyama, S.

Notes on some Japanese carices. I-II.

Journ. Japanese Bot. 9: 536-539. illus. D.1933;

10: 329-333. illus. My. 1934. no.8; 5.

Japanese.



Journ. Japanese Bot. (cont.)

Asahina, Y

Aufzählung von Cetraria-arten aus Japan. I-II.  
Journ. Japanese Bot. 10: 414-423, 474-486. illus.  
Jl., Ag. 1934. no.7,8.

Japanese with comments in German.

Asahina, Y.

Lichenologische notizen. I-V. Journ.  
Japanese Bot. 9: 64-67, 138-141. illus., My., Je.  
1933; 10: 8-16, 299-304, 352-357. illus.  
Ja., My., Je. 1934. no.1,2; 1,5,6.

Japanese with Latin diagnosis of new species  
and varieties and German comments or summary (Der-  
matocarpon myogiense, Heterocarpon simodense, Bom-  
biliospora domingensis var. boninensis.)

Emoto, Y.

Myxomyceten des südlichen forstgebietes des  
berges Fuji, II. Journ. Japanese Bot. 10: 372-  
377. Je. 1934. no.6.

Japanese with German summary.

Fujisawa, R.

Desmidiaceae in Ina district and Yashimagaike  
of Shinano Province. Journ. Japanese Bot. 10:  
438-445. illus. Jl. 1934. no.7.

Japanese.

Fujita, N.

Sogenannte Althaea-wurzel stammt von Althaea  
rosea. Journ. Japanese Bot. 10: 663-664. illus.  
C. 1934. no.10.

Japanese.

Hara, F.

Flora of Karuizawa. I-XIII. Journ. Japanese  
Bot. 9: 120-129, 132-191, 250-255, 308-313, 432-438,  
illus. Je.-S., N. 1933; 10: 22-28, 83-91, 167-171,  
319-325, 362-371, 430-437, 515-526, 623-630, illus.  
Ja., Mr., My.-Ag., O. 1934. no.2,3,4,5,7; 1,2,3,5,6,  
7,8,10.

Hara, H.

Observationes ad plantas Asiae Orientalis  
I-III. Journ. Japanese Bot. 9: 512-522. illus.  
D. 1933; 10: 227-237, 586-602, illus. Ap., S.  
1934. no.8, 4,9.

Salix hidakamontana, Pleuropteropyrum nakaii,  
Filipendula yezoensis, Circaea kitagawae n.spp.



Journ. Japanese Bot. (cont.)

Harada, K.

Diagnosis of minute seeds by means of impressions upon celluloid-membrane ("gump"-figures). Journ. Japanese Bot. 10: 238-250. illus. Ap. 1934. no.4.

Japanese.

Hattori, H.

Icones of Japanese Mycetozoa. IX. Journ. Japanese Bot. 10: 61-69. illus. F.1934. no.2. Japanese.

Hino, I.

Ascospore of *Chaetosphaeria fusispora* (Kawamura). Journ. Japanese Bot. 10: 527-528. illus. Ag.1934. no.8.

Japanese.

Hino, I.

Teratological ferns caused by virus disease. Journ. Japanese Bot. 10: 377-380. illus. Je. 1934. no.6.

Japanese.

Hiratsuka, N.

Notes on Japanese rust fungi. I-V. Journ. Japanese Bot. 10: 1-8, 129-136, 220-227, 469-473, 617-623. illus. Ja., Mr., Ap., Ag., O.1934. no. 1,3,4,8,10.

Japanese with Latin diagnosis of new species (*Puccinia tottoriensis*).

Hisauchi, K.

Distribution of *Aucuba japonica* Th. var. *ovoides* Koidz. Journ. Japanese Bot. 10: 540-541. illus. Ag.1934. no.3.

Japanese.

Hisauchi, K.

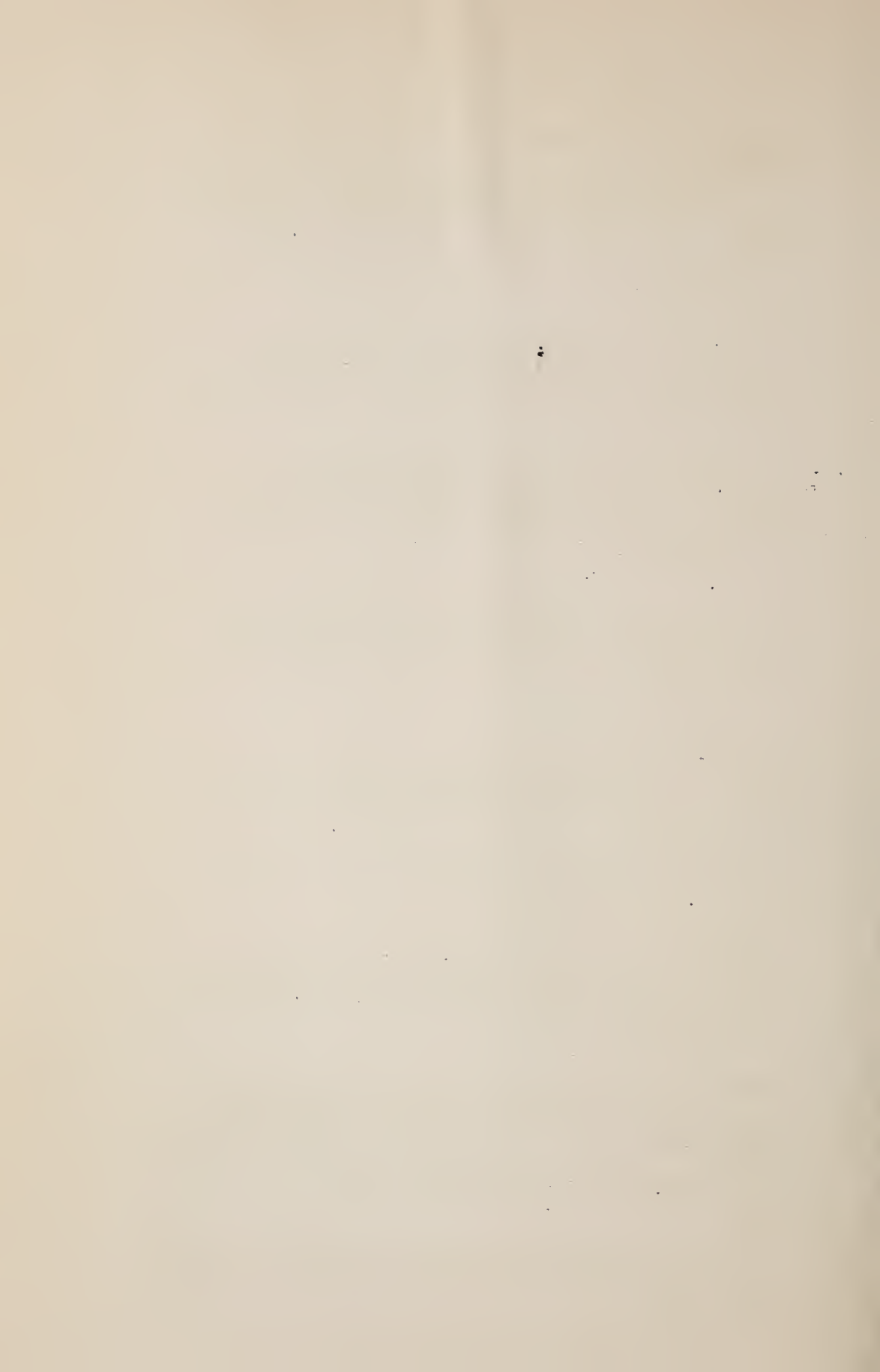
A group of *Crepidiastrum* Nakai (Compositae). Journ. Japanese Bot. 10: 660-662. illus. O.1934. no.10.

*C. keiskeana* f. *pinnatiloba* f. nov.

Hisauchi, K.

*Populus sieboldii* Miq. with branching aments. Journ. Japanese Bot. 10: 381-382. illus. Je. 1934. no.6.

English summary.



Journ. Japanese Bot. (cont.)

Fisauchi, F.

Some varieties of *Acer mono* Maxim. and their tendency of bearing pedatifid leaves. Journ. Japanese Bot. 10: 102-105. illus. F.1934. no.2. Japanese with English summary.

Hiyama, K.

A brief note on plants of Tanigawadake-range. Journ. Japanese Bot. 10: 91-101. illus. F.1934. no.2. Japanese.

Ito, F.

Nuntia ad Filices japonicae. I-II. Journ. Japanese Bot. 9: 54-59. illus. My.1934; 10: 450-451. illus. Jl. 1934. no.1; 7.

Japanese with Latin diagnoses of new species and varieties (*Dryopteris inuyamensis*, n.sp.; *Polystichum hololepis* var. *hikonense* n.var.)

Iwahashi, Y.

Eine tropische und alpen diatomeen im süßwasser von Yakushima. Journ. Japanese Bot. 10: 105-107. illus. F.1934. no.2.

Japanese with German summary. *Cymbella amphioxys*, *Achnanthes inflata*.

Iwahashi, Y.

On the vertical distribution of the freshwater-diatoms in Yakushima. Journ. Japanese Bot. 10: 446-449. illus. Jl.1934. no.7.

Japanese.

Kimura, Y.

Ueber die Japanische arznei-drogen, ihr anbau, ihr einsammlung und zubereitung etc. I-V.

Journ. Japanese Bot. 9: 439-445. illus. N.1933; 10: 46-50, 112-118, 187-192, 456-464. illus. Ja.-Mr. Jl.1934. no.7; 1,2,3,7.

Japanese.

T. Nagamachi joint author pt. V.

I. Ueber die rhizome von *Imperata arundinacea* Cyr. var. *koenigii* Hack. II. Ueber von *Pachyma hoelen* Rumphius. III. Ueber die rhizome von *Paeonia albiflora* Pall. IV. Ueber *Geranium nepalense* Sweet. V. Ueber Toki, wurzel von *Ligusticum acutilobum* Siebold et Zuccarini.



Journ. Japanese Bot. (cont.)

Kishida, M. & Matsuno, M.

On *Stemona ovata* Nakai and few other species of *Stemona* in Japan. I-IV. Journ. Japanese Bot. 9: 315-324, 381-389, 529-535. illus. S., O., D. 1933; 10: 296-299. illus. My. 1934, no.5,6,8; 5. Japanese.

Kitagawa, H.

On *Synurus diabolicus* Kitamura. Journ. Japanese Bot. 10: 80-83. illus. F.1934. no.2. Japanese. Synonym of *Olgaca lomonossowii*.

Kobayasi, Y & Watari, T.

Microphotographs of lower plants. I-V. Journ. Japanese Bot. 10: 174-181, 334-341, 392-402, 607, 615, 648-657, illus. Mr., My., Je., S., O. 1934. no.3,5,6,9,10. Japanese.

Koidzumi, H.

*Taraxacum* studies in Japan. I-V. Journ. Japanese Bot. 9: 491-500, D.1933; 10: 29-36, 69-77, 136-149, 305-318. illus. Ja.-Mr., My. 1934. no.8; 1,2,3,5. Japanese.

Kunishi, H.

On the determination of some species of the genus *Pinus*, by means of the anatomical characters of leaves. Journ. Japanese Bot. 10: 387-391. illus. Je.1934. no.6. Japanese.

Krokawa, F.

Japanese *Asaraceae*. I-VIII. Journ. Japanese Bot. 9: 39-49, 96-103, 174-181, 241-246, 281-285, 364-370, 505-512. illus. Je.-O., D. 1933; 10: 358-362, illus. Je. 1934. no.1,2,3,4,5,6,8; 6.

Japanese with Latin diagnoses of new species (*Heterotropa* (= *asarum*) *costata*, *H. dilitata*, *H. megacalyx*)

Masamune, G.

*Plantae vasculares* a Prof. I. Namikawa anno 1920 in Kamtschatka lectae, auctore Yushun Kudo. Journ. Japanese Bot. 10: 487-515. illus.(map) Ag. 1934. no.8.



Journ. Japanese Bot. (cont.)

Matsumura, Y.

The flora of the neighbourhood of Furukamappu, the Isl. Kunashiri. Journ. Japanese Bot. 10: 631-645. illus.(maps) O. 1934. no.10.

Nakai, T.

Bambusaceae in Japan Proper. I-VI. Journ. Japanese Bot. 9:5-34, 77-95, 150-168, 215-240. illus. My.-Ag.1933; 10: 197-219, 269-295, illus. Ap., 1y.1934. no.1,2,3,4; 4,5.

Japanese with Latin diagnoses of new species.

Nakai, T.

Novitates Bambusacearum in Imperio japonico recentissime detectae. I. Journ. Japanese Bot. 10: 547-581. S. 1934. no.9.

Leleba amakusensis, Sasamorpha igaensis n.spp. and new species in Sasa and Arundinaria.

Nakai, T.

Two kinds of cherries introduced from China. Journ. Japanese Bot. 10: 405-414. illus. Jl.1934. no.7.

English summary. Prunus pseudo-cerasus, P. pauciflora.

Noguchi, R.

Gyrocephalus rufus (Jacquin) Brefeld, new to the Japanese fungous flora. Journ. Japan. Bot. 10: 119-122. illus. F,1934. no.2.

Japanese.

Noguchi, R.

Lenzites abietina Fries and some of its allied species. Journ. Japanese Bot. 10: 531-539. illus. Ag.1934. no.8.

Japanese.

Ohki, K.

On the spodograms of the leaves of the genus Shibataea Makino. Journ. Japanese Bot. 10: 42-45. illus. Ja.1934. no.1.

Japanese.

Okamura, K.

Notes on the algae collected near Namariyama, Pref. Wakayama. Journ. Japanese Bot. 10: 149-166. Mr. 1934. no.3.

Japanese.



Journ. Japanese Bot. (cont.)

Okamura, K.

On *Nemalion japonicum* Yendo et Narita.  
Journ. Japanese Bot. 10: 582-585. illus.  
S.1934. no.9.  
Japanese.

Okuyama, H.

On staminodes of some species of genus *Achyranthes*. Journ. Japanese Bot. 10: 452-454.  
illus. Jl.1934. no.7.  
Japanese.

Okuyama, S.

*Achyranthes japonica* Nakai and *A. fauriei* Lev.  
et Vnt. Journ. Japanese Bot. 10: 261-266. illus.  
Ap.1934. no.4.  
Japanese.

Sasaoka, H.

Original descriptions of mosses collected in  
Japan. I-III. Journ. Japanese Bot. 9: 445-449.  
N.1933; 10: 171-174, 528-531, Mr., Ag.1934. no.7; 3,8.

Sata, T.

Systematic status of the genus *Ficus*. Journ.  
Japanese Bot. 10: 343-351. illus. Je.1934. no.6.

Satake, Y.

Icones of the Japanese Juncaceae. I-IV.  
Journ. Japanese Bot. 9: 286-297, 370-379, 417-424,  
illus. S.-N.1933; 10: 38-42, illus. Ja.1934. no.5,  
6,7; 1.  
Japanese.

Sato, M. M.

History of lichenology in Japan. I-II. Journ.  
Japanese Bot. 10: 107-112, 192-195. illus. F.,  
Mr.1934. no.2,3.  
Japanese.

Sato, M. M.

Studies on the lichens of Japan. I-II. Journ.  
Japanese Bot. 10: 17-22, 424-430. illus. Ja., Jl.  
1934. no.1,7.  
*Coenogonium bonenense*, *Alectoria satoana*, n.spp.

Sawada, T.

*Orchis chondradenia* Makino pro synonymo novo.  
Journ. Japanese Bot. 10: 77-79. illus. F.1934. no.2.  
Japanese. *O. fauriei*.



Journ. Japanese Bot. (cont.)

Sekimoto, H.

A list of plants new to Simotuke. Journ.  
Japanese Bot. 10: 465-468. Jl.1934. no.7.  
Japanese.

Sekimoto, H.

Some noteworthy plants of Totigi-prefecture.  
Journ. Japanese Bot. 10: 54-58. Ja.1934. no.1.  
Japanese.

Suto, T.

On the *Chrysosplenium* localized in Nikko and  
its vicinities. Journ. Japanese Bot. 10: 252-  
261. illus. Ap.1934. no.4.

Japanese with Latin diagnosis of new species  
(*C. microphyllum*)

Takenaka, Y.

*Rhododendron mucronulatum* Turcz. var. *siliatum*  
Nakai without petals. Journ. Japanese Bot. 10:  
51-54. illus. Ja.1934. no.1.

Japanese.

Uyemura, T.

On a novel moss, *Theriotia lorifolia* Card.  
from Japan. Journ. Japanese Bot. 10: 332-387.  
illus. Je.1934. no.6.

Japanese.

Yamada, Y.

On *Plasinocladus* (sic) from Muroran. Journ.  
Japanese Bot. 10: 327-329. illus. My.1934. no.5.  
Japanese. *Prasinocladus*.

Yanagita, Y.

Two new varieties of *Shiia* with drooping  
branches. Journ. Japanese Bot. 10: 645-647.  
illus. O.1934. no.10.

Japanese with Latin diagnoses (*S. cuspidata*  
var. *muratai*, *S. sieboldi* var. *awanoi*)

Yoshino, Z.

Miscellaneous notes on the plants collected in  
Kinki District. I. Journ. Japanese Bot. 10:  
541-546. illus. Ag.1934. no.8.

Journ. Minn. Agr. Gt. Brit. (10G79J)

Caldwell, J.

The control of virus diseases of the tomato.  
Journ. Min. Agr. Gt. Brit. 41: 743-749. N.1934.  
no.8.



Journ. Sapporo Soc. Agr. & For. (J22.5Sol)

Tatewaki, M.

Taxonomical study of plants growing in the alpine belt in Yezo. Journ. Sapporo Soc. Agr. & For. 26: 241-285. O.1934. no.121.

Japanese.

Journ. Sci. Hiroshima Univ. Ser.B, Div.2(Botany) (451H61)

Horikawa, Y.

Monographia hepaticarum australi-japonicarum. Journ. Sci. Hiroshima Univ. Ser.B, Div.2(Botany) 2: 101-325. illus., pl.11-21. O.1934. no.2.

Journ. Tenn. Acad. Sci. (500T25A)

Jennison, H. M. & Cooley, L. M.

A schedule of simplified directions for the extraction and separation of the chlorophyll pigments. Journ. Tenn. Acad. Sci. 9: 274-277. O. 1934. no.4.

Meyer, S. L.

Further observations on deuterium oxide and Aspergillus. Journ. Tenn. Acad. Sci. 9: 295-297. O. 1934. no.4.

Journ. Washington Acad. Sci. (500W276J)

Bartram, E. B.

Additional Costa Rican mosses. III. Journ. Washington Acad. Sci. 24: 467-480. illus. N.15, 1934. no.11.

Syrrhopodon aculeo-ciliatus, Squamidium crispipilum, Lepidopilum apiculatum n.spp.

Hitchcock, A. S.

Two new grasses, one from Tennessee, one from Argentina. Journ. Washington Acad. Sci. 24: 480-481. N.15, 1934. no.11.

Calamagrostis cainii, Catabrosa burkartii.

Kakteenk. Deut.Kakteen-Ges. (451D482)

Gielsdorf, K.

Vier schöne fettpflanzen. Kakteenk. Deut. Kakteen-Ges. 1934: 208-210. illus. N.1934. no.11.

1. Pachyphytum oviferum J.A. Purpus. 2. Hoodia currori Decne. 3. Crassula columnaris L.f. Crassula tecta Thunbg.



Kakteenk. Deut.Kakteen-Ges. (cont.)

Herre, H.

Südafrikanische notizen. 1-5. Kakteenk.  
Deut. Kakteen-Ges. 1934: 210-217. illus. N.  
1934. no.11.

1. Zur kultur der hochsukkulenten Anacampseros  
(liebes röschen). 2. Zur kultur der hoodien, tava-  
resien und trichocaulon. 3. Cotyledon pygmaeum  
Barker spec.nov. 4. Othonna herrei Pillans spec.  
nov. 5. Von klumpfüssen und apukmenschen.

Roeder, W. v.

In welchen pflanzengattungen gibt es sukkulent-  
en? Kakteenk. Deut. Kakteen-Ges. 1934: 207-208.  
N. 1934. no.11.

Roeder, W.v.

Orostachys spinosus (L.) Berg. Kakteenk.  
Deut.Kakteen-Ges. 1934:218-219. illus. N.1934.  
no.11.

Socnik, H.

Die kultur sukkulenter euphorbien. Kakteenk.  
Deut. Kakteen-Ges. 1934: 204-207. illus. N.  
1934. no.11.

Landw. Jahrb. (Berlin) (18L23)

Könekamp, A.

Beitrag zur kenntnis des wurzelwachstums  
einiger klee- und gräserarten. Landw. Jahrb.  
80: 571-589. fold.pl. 1934. no.4.

Landw. Jahrb. Schweiz (Bern) (17L23)

Faes, H. & Aubert, P.

L'étude des prunes (1931-1933). Landw. Jahrb.  
Schweiz 48: 495-841. illus. 1934. no.7.  
Enquête fruitière en Suisse romande.

Kessler, H.

Die beeinflussung des keimling-wachstums  
durch reife äpfel. Landw. Jahrb. Schweiz  
48: 853-861. illus. 1934. no.7.

Kobel, F. & Steinegger, P.

Die befruchtungsverhältnisse von äpfel- und  
birnsorten und der nachweis von intersterilität  
bei denselben. Landw. Jahrb. Schweiz 48: 741-  
768. 1934. no.7.



Madroño (San Francisco) (450M26)

Adams, J. E.

Some observations on two species of *Arctostaphylos*. Madroño 2: 147-152. illus. O.1934. no.17.

*A. myrtifolia*, *A. viscida*.

Constance, L.

Critical notes on *Eriophyllum* Lag. II.

Madroño 2: 154-156. O.1934. no.17.

Copeland, H. F.

The structure of the flower of *Newberrya*.

Madroño 2: 137-142. pl. O.1934. no.17.

Jepson, W. L.

The botanical explorers of California. XI.

George W. Dunn. Madroño 2: 156-157. port. O. 1934. no.17.

Jepson, W. L.

Marcus Eugene Jones. Madroño 2: 152-154.

O.1934. no.17.

Jepson, W. L.

The overland journey of Thomas Nuttall.

Madroño 2: 143-147. O.1934. no.17.

Jepson, W. L.

*Pinus insignis* and *Pinus radiata*. Madroño

2: 158-159. O. 1934. no.17.

Wheeler, L. C.

Two more Sierran plants in southern California.

Madroño 2: 158. O.1934. no.17.

*Glyceria pauciflora*, *Sambucus racemosa*.

Malayan Agr. Journ. (Juala Lumpur) (22.5F312)

Thompson, A.

A disease of the durian tree. Malayan Agr. Journ. 22: 369-371. Ag.1934. no.8.

Similar to *Phytophthora palmivora* on *Durio zibethinus*,

Also in Trop. Agr. 83: 177-179. S.1934.



Malayan For. (99.8M292)

Desch, H. E.

Notes on Malayan timbers. III. Malayan For.  
3: 191-202. pl. O.1934. no.4.

Missouri Bot. Gard. Bull. (St. Louis) (89M69B)

Cutak, L.

The passing of the saguaro (*Carnegiea gigantea*)  
at the garden. Missouri Bot. Gard. Bull. 22: 185-  
186. pl.53. N.1934. no.9.

The effect of the heat and drought on plants  
and trees cultivated at the garden and arboretum.  
Missouri Bot. Gard. Bull. 22: 188-195. N.1934. no.9.

Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)

Richter, H.

Die ausbreitung des ulmensterbens in Nord-  
amerika. Nachrichtenbl. Deut. Pflanzenschutzd.  
14: 105-106. N.1934. no.11.

Nature (London) (472N21)

Blackburn, K. B.

Wasting disease of *Zostera marina*. Nature  
134: 738. illus. N.10, 1934. no.3393.

Hurst, C. C.

Miss E.A. Willmott. Nature 134: 726.  
N.10, 1934. no.3393.

Joyce, T. A.

Use and origin of yerba maté. Nature 134:  
722-724. N.10, 1934. no.3393.

Weiss, F. E.

Prof. O.V. Darbishire. Nature 134: 1726.  
N.10, 1934. no.3393.

Naturwissensch. (Berlin) (474N213)

Meissner, O.

Die mittlere anzahl der blütenblätter von  
*Ficaria ranunculoides* L. Naturwissensch. 22:  
464. J1.6, 1934. no.27.

Reitz, O. & Bonhoeffer, K. F.

Ueber den einbau von schwerem wasserstoff in  
wachsende organismen. Naturwissensch. 22: 744.  
N.2, 1934. no.44.



New Zeal. Journ. Agr. (Wellington) (23N48J)  
Chamberlain, E. E.

A virus disease of strawberries in New Zealand.  
New Zeal. Journ. Agr. 49: 226-231. illus. 0.20,  
1934. no.4.

Chief symptoms, a marked stunting of the plant,  
development of small leaves with short petioles and  
yellowing of foliage. The disease is spread by the  
strawberry aphid (*Capitophorus fragariae*).

Nuovo Giorn. Bot. Ital. (Firenze) (450N92)  
Elisei, F. G.

Un caso di identità tra fasci conduttori  
alterni radicali e fasci conduttori sovrapposti  
cotiledonari. Nuovo Giorn. Bot. Ital. 41: 674-  
692. illus. 1934. no.3.

Experiments with *Veronica longifolia*.

Gavioli, O.

Ricerche sulla distribuzione altimetrica  
della vegetazione in Italia. II. Limiti altimetrici  
delle formazioni vegetali in alcuni dell'Appennino  
Lucano. Nuovo Giorn. Bot. Ital. 41: 558-573.  
1934. no.3.

Tonzig, S.

Studi sulla fisiologia del tegumento seminale.  
I. La permeabilità. Nuovo Giorn. Bot. Ital. 41:  
453-557. 1934. no.3.

Obst- u. Gemüseb. (Berlin) (80P7750)  
Reusrath, Th.

Die durch den Erreger "*Olpidiaster radicus*" in  
der Gurkenfrühtreiberei hervorgerufene Blattwelke  
und deren Bekämpfung. Obst- u. Gemüseb. 80: 152.  
0.15, 1934. no.10.

Orchid Rev. (Richmond, Engl.) (800r15)  
Gilbert, P. A.

Orchids and temperature. Orchid Rev. 42:  
333-336. N. 1934. no.497.

Read, B. I. W.

Orchid breeding. Orchid Rev. 42: 338-341.  
N.1934. no.497.

Orchidee (Bandoeng) (800r18)  
Chevalier, L.

Nieuwe *Dendrobium* hybride. (*Dendrobium veratri-*  
*folium* x *Dendr. phalaenopsis*). Orchidee (Bandoeng)  
3: 252-253. illus. 0.1934. no.10.



Orchidee (cont.)

Schmidt, K.

Een succesvolle orchideeënjacht in de  
Philippijnen. IV. Orchidee (Bandoeng) 3: 253-  
257. illus. O. 1934. no.10.

Phytopath. Zeitschr. (Berlin) (464.8P562)

Gassner, G. & Kirchhoff, H.

Einige versuche zum nachweis biologischer  
rassen innerhalb des roggendraupestes, *Puccinia*  
*dispersa* Erikss. und Henn. Phytopath. Zeitschr.  
7: 479-486. 1934. no.5.

Gassner, G. & Kirchhoff, H.

Zur frage der beeinflussung des flugbrandbe-  
falls durch umweltfaktoren und chemische beizmittel.  
Phytopath. Zeitschr. 7: 487-503. 1934. no.5.

Krohn, V.

Kurzer bericht über *Cuscuta halophyta* Fr.  
Phytopath. Zeitschr. 7: 505-514. illus. 1934.  
no.5.

Schönleber, K.

Ueber zwangsverbänderungen an wurzeln.  
Phytopath. Zeitschr. 7: 515-519. illus. 1934.  
no.5.

Straib, W.

Untersuchungen zur genetik der gelbrostresistenz  
des weizens. Phytopath. Zeitschr. 7: 427-477.  
1934. no.5.

Phytopath. (464.8P56)

Bourne, B. A.

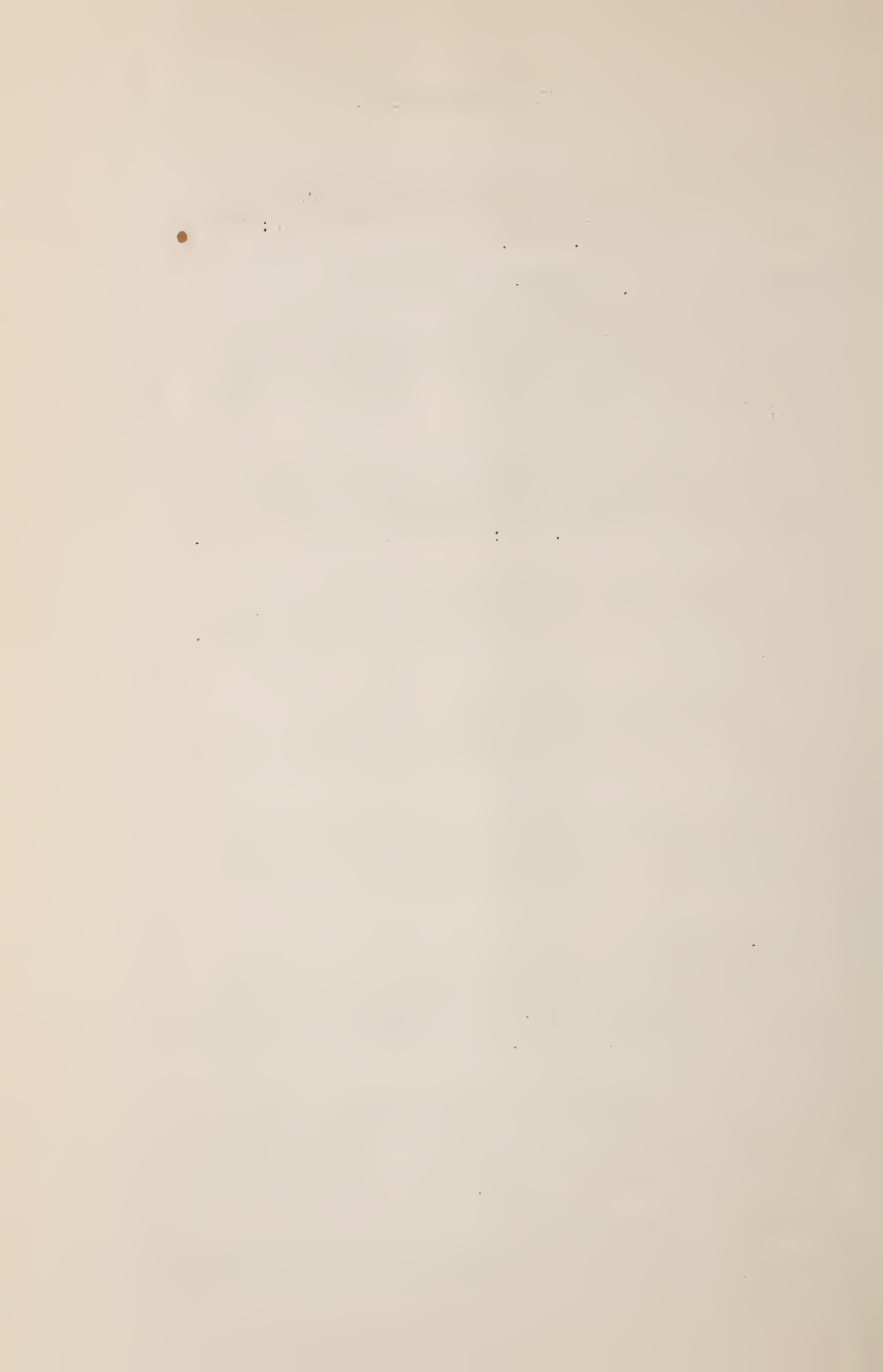
Some pathological observations on sugar cane x  
sorghum hybrids in Florida. Phytopath. 24: 1314-  
1316. N.1934. no.11.

Chester, K. S.

Specific quantitative neutralization of the  
viruses of tobacco mosaic, tobacco ring spot, and  
cucumber mosaic by immune sera. Phytopath. 24:  
1180-1202. N.1934. no.11.

Hendry, G. W. & Hensen, H.N.

The antiquity of *Puccinia graminis* and *Ustilago*  
*tritici* in California. Phytopath. 24: 1313-1314.  
N.1934. no.11.



Phytopath. (cont.)

Howard, F. L.

*Felicia amelloides* Voss, an unreported host  
for *Erysiphe cichoracearum* DC. Phytopath.

24: 1315. N.1934. no.11.

Jagger, I. C. & Chandler, N.

Big vein, a disease of lettuce. Phytopath.

24: 1253-1256. illus. N.1934. no.11.

Probably distinct from brown blight; a soil-  
borne disease, may be similar to soil-borne mosaic  
of wheat.

Kadow, K. J.

Seed transmission of *Verticillium* wilt of  
eggplants and tomatoes. Phytopath. 24: 1265-

1268. illus. N.1934. no.11.

Kendrick, J. B. & Schroeder, F. R.

Inoculation tests with *verticillium* wilt of  
muskmelons. Phytopath. 24: 1250-1252. N.1932.  
no.11.

Lanphere, W. M.

Enzymes of the rhizomorphs of *Armillaria*  
*mellea*. Phytopath. 24: 1244-1249. N.1934. no.11.

Mains, E. B.

Inheritance of resistance to powdery mildew,  
*Erysiphe graminis tritici*, in wheat. Phytopath.

24: 1257-1261. N.1934. no.11.

Melchers, L. E.

Investigations on physiologic specialization  
of *Tilletia laevis* in Kansas. Phytopath. 24:

1203-1226. illus. N.1934. no.11.

Miles, L. E.

Treatment of sweet-potato plants for the control  
of black rot. Phytopath. 24: 1227-1236. N.1934.

no.11.

Mundkur, B. B.

Some preliminary feeding experiments with  
scabby barley. Phytopath. 24: 1237-1243.

N. 1934. no.11.

Porte, W. S.

Notes on the control of transit and storage  
decays of tomatoes by the use of chemical washes.

Phytopath. 24: 1304-1312. N.1934. no.11.



Phytopath. (cont.)

Stanley, W. M.

Chemical studies on the virus of tobacco mosaic.  
II. The proteolytic action of pepsin. Phytopath.  
24: 1269-1289. N.1934. no.11.

Verrall, A. F.

The resistance of saplings and certain seedlings  
of *Pinus palustris* to *Septoria acicola*. Phytopath.  
24: 1262-1264. N.1934. no.11.

Voorhees, R. K.

Sclerotial rot of corn caused by *Rhizoctonia*  
*zeae*, n.sp. Phytopath. 24: 1290-1303. illus.  
N.1934. no.11.

Weindling, R.

Studies on a lethal principle effective in the  
parasitic action of *Trichoderma lignorum* on *Rhizoc-*  
*tonia solani* and other soil fungi. Phytopath.  
24: 1153-1179. illus. N.1934. no.11.

Plant Physiology (450P692)

Anderson, A. K. & Emmart, K.

Relation of certain amino acids to carbon  
dioxide and mycelium production of *Fusarium oxy-*  
*sporum*. Plant Physiology 9: 823-829. O.1934. no.4.

Clements, F. E. & Long, F. L.

Factors in elongation and expansion under re-  
duced light intensity. Plant Physiology 9: 767-  
781. illus. O.1934. no.4.

Colby, H. L.

A note on fruiting apple spur phyllotaxy.  
Plant Physiology 9: 858-859. O.1934. no.4.

Davidson, O. W., Clark, H.E. & Shive, J. W.

Preparation of aqueous extracts of soluble  
nitrogen from plant tissues. Plant Physiology 9:  
817-822. O. 1934. no.4.

Dexter, S. T.

Respiratory rate and enzyme activity as re-  
lated to the hardened condition of plants. Plant  
Physiology 9: 831-837. O.1934. no.4.

Experiments with cabbage and winter wheat.



Plant Physiology (cont.)

Doneen, L. D.

Method for the preparation of green plant material for the extraction of juices. *Plant Physiology* 9: 839-843. O.1934. no.4.

Duncan, G. H.

Losses to the corn crop caused by leaf injury. *Plant Physiology* 9: 749-766. illus. O.1934. no.4.

Gunderson, M.F. & Skinner, C.E.

Production of vitamins by a pure culture of *Chlorococcum* grown in darkness on a synthetic medium. *Plant Physiology* 9: 807-815. illus. O. 1934. no.4.

Hungate, R. E.

The cohesion theory of transpiration. *Plant Physiology* 9: 783-794. illus. O. 1934. no.4.

Lehman, B. & Andrews, F. M.

Nuclear division in *Tradescantia virginiana*. *Plant Physiology* 9: 845-849. O.1934. no.4.

Noé, A. C.

Gottlieb Haberlandt. 1854. *Plant Physiology* 9: 851-855. illus., port. O.1934. no.4.  
Celebrated 80th birthday Nov.28th.

Rohrbaugh, P. W.

Penetration and accumulation of petroleum spray oils in the leaves, twigs, and fruit of citrus trees. *Plant Physiology* 9: 699-730. illus. O. 1934. no.4.

Runyon, E. V.

Demonstration of some of the mechanisms involved in the ascent of sap in plants. *Plant Physiology* 9: 856-858. illus. O.1934. no.4.

Talley, P. J.

Carbohydrate-nitrogen ratios with respect to the sexual expression of hemp. *Plant Physiology* 9: 731-748. O.1934. no.4.

Young, P. A.

Freezing phenomena in creosap emulsions of petroleum oils. *Plant Physiology* 9: 795-804. illus. pl.ii. O.1934. no.4.



Planter (Kuala Lumpur) (78.8P69)

Napper, R. P. N.

Modern methods of root disease control and their applications. Planter (Kuala Lumpur)

15: 407-410. 0.1934. no.10.

In Hevea.

Priroda Akad. Nauk SSSR (410P933)

Iakovlev, P.I.

I.V. Michurin, rekonstruktor flory [remaker of plants] Priroda Akad. Nauk SSSR 1934(9): 44-

55. illus.

Russian.

Rall, Iu.M.

Kumarchik [Agriophyllum arenarium] Priroda Akad. Nauk SSSR 1934(9): 64-66. illus.

Russian.

Sapegin, A. A.

Rentgenomutatsii, kak istochnik novykh sortov s.-kh. rastenii (X rays as source of new kinds of agricultural plants). Priroda Akad. Nauk SSSR 1934(9): 28-31. illus.

Russian.

Vel'tishchev, P. A. & Vel'tishcheva, L. Ia.

Novyi kauchukonos Srednei Azii, Scorzonera acanthoclada Franch. (teke sagyz) [New rubber yielding plant from Central Asia, Scorzonera acanthoclada Franch.] Priroda Akad. Nauk SSSR 1934(9): 62-

64. illus.

Russian.

Proc. Missouri State Hort. Soc. (81M692)

Anderson, H. W.

Blister canker of apple trees. Proc. Missouri State Hort. Soc. 1930/32: 78-83. 1933

Rosen, H. R.

Relation of fire blight to honey bees. Proc. Missouri State Hort. Soc. 1930/32: 67-77. 1933

Progr. Agr. & Vitic. (Montpellier) (14P94)

Dubaquié, J.

Sur le mode d'action des bouillies cupriques.

Progr. Agr. & Vitic. 102: 449-451. N.4, 1934. no.44.

Puerto Rico Sugar Manual (65.8P96)

Cook, M. T.

Diseases of sugar cane new to the West Indies.

In The Puerto Rico sugar manual 1934: 49-51.



Puerto Rico sugar Manual (cont.)

Kuntz, P. R.

Progress report on experimental tests of new varieties of sugar cane in Puerto Rico. In The Puerto Rico Sugar manual 1934: 27-35.

Rev. Bot. Appl. (Paris) (26R323)

Chevalier, A.

Monographie de l'arachide. VII. Conditions édaphiques et climatiques, distribution géographique et production des différentes contrées. Rev. Bot. Appl. 14: 833-864. pl.xxxiii-xxxiv. O.1934. no.158.

Chevalier, A.

Nouvelles observations sur quelques acacias de l'Afrique Occidentale. Rev. Bot. Appl. 14:875-884. pl.xxxv. O.1934. no.158.

Faidherbia gen.nov. F. albida (A. albida Delile)

Chevalier, A.

Sur une fougère produisant des lanières employées pour la fabrication des nasses et des collets à gibier. Rev. Bot. Appl. 14: 893-894. O. 1934. no.158.

Lygodium smithianum.

Science (470Sci2)

Buchholtz, W. J.

The role of damping-off disease in relation to failures of alfalfa stands on some acid soils. Science 80: 503. N.30, 1934. no.2083.

Scott. Nat. (410Sco3)

Smith, E. P.

The natural history of south Rona. III. The vegetation of south Rona. Scott. Nat. 210: 149-163. illus.(maps) pl.iv-viii. N.10,1934.

Trans. & Proc. Roy. Soc. New Zeal. (514W46)

Logan, M. C. & Holloway, J. E.

Plant succession on the Oreti river sand dunes. Trans. & Proc. Roy. Soc. New Zeal. 64: 122-139. illus., pl.15-19. S.1934. no.2.

Stevenson, G. B.

The life history of the New Zealand species of the parasitic genus Korthalsella. Trans. & Proc. Roy. Soc. New Zeal. 64: 175-190. pl.24-31. S.1934. no.2.



Trav. Office Nat. Mat. Prem. Vég. France (77.9F84)

Mas y Guindal, J.

Notes sur la flore de Tetouan et de ses environs. Trav. Off. Nat. Mat. Prem. Vég. France no.37. 46 p. 1932.

Extrait de la revue L'Hygiène sociale no. 77, 10 mai, 1932.

Trop. Agr. (26T751)

Park, M.

Some notes on the effects of drought on the yield of coconut palms. Trop. Agr. 83: 141-150. S. 1934. no.3.

Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci.

URSS Ser.III, Geobotanica) (451Sa21G)

Avrorin, N. A.

Rastitel'nost raznovozrastnykh zalezheĭ Kamennoi stepi (Die wiederherstellung der steppenvegetation nach beackerung in der Kamennaja Step des vorm. gouvernement Woronesh) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.III, Geobotanical) 1: 187-194. map. 1934.

Russian with German summary.

Borisova, A. G.

Nekotorye dannye o dube na severo-zapade Leningradskoi oblasti... (Einige angaben über die verbreitung der eiche im nordwestlichen teil des Leningrad-gebiets...) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. SSSR Ser.III, Geobotanical) 1: 179-186. illus. (map) 1934.

Russian with German summary.

Korovin, E. P. & Kashkarov, D. N.

Tipy pustyn Turkestana (The desert types of Turkestan). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.III, Geobotanica) 1: 301-331. illus.(incl. map), map. 1934.

Russian with English summary.

Larin, I. V.

Metodika izucheniia pastbish po neposredstvennym opytam so skotom (Methodik der erforschung von weiden durch unmittelbare versuche mit vieh). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS (Ser.III, Geobotanica) 1: 7-27. illus. 1934.

Russian with German summary.



Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.III, Geobotanica) (cont.)

Poliakov, P. S.

Kratkii ocherk rastitel'nosti severovostochnykh otrogov Kholzun'skogo khrebtâ na Altae (Kurze Übersicht der vegetation der nordöstlichen ausläufer des Cholsunsk bergriechen im Altai) Trudy Bot. Inst. Acad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.III, Geobotanica) 1: 251-272. illus. (incl. map) 1934.

Russian with German summary.

Poplavskaiâ, G.I.

Nekotorye dannye po izucheniiu gornykh lugob v geobotanicheskom i kornovom otnosheniiaakh (Einige ergebnisse der erforschung von bergwiesen in geobotanischer hinsicht und auf ihren futterwert). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.III, Geobotanica) 1: 195-249. illus. map. 1934.

Russian with German summary. Iaila Mts., Crimea.

Rodin, L. E.

Materialy k poznaniiu lesov Tian-Shaniâ. El'niki severnogo sklona Dzhungarskogo Alatav (Materialien zur kenntnis der wälder des Tian-Schan. Die fichtenwälder des nordabhanges im Dzhungarischen Alatau) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.III, Geobotanica) 1: 273-300. illus. 1934.

Russian with German summary.

Sambuk, F. V. & Dedov, A. A.

Podzony pripechoskikh tundr (Die unterzonen der Petschora-tundren) Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS Ser.III, Geobotanica) 1: 29-52. 1934.

Russian with German summary.

Schennikov, A.F. & Kondrat'eva, E.A.

Pastbishcha Kholmogorskogo raiona (Die weiden des Cholmogory bezirks). Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci. URSS) Ser. III, Geobotanica) 1: 99-178. 1934.

Russian with German summary. Veränderung in der vegetation der wiesen infolge von beweidung durch vich.



Trudy Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci.  
URSS Ser.III, Geobotanica) (cont.)

Solonevich, K. I.

Geobotanicheskiĭ ocherk raiona zapadnoi chasti  
Kem-Ukhtinskogo trakta (Kareliiā) (Geobotanische  
übersicht des gebietes längs dem westlichen teil  
der Kem-Uchtinsk strasse (Karelien) Trudy Bot.  
Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad. Sci.  
URSS Ser.III, Geobotanica) 1: 53-85. map. 1934.  
Russian with German summary.

Zinserling, I. D.

O severozapadnoi granitse Sibirskoi listvennitsy  
(Larix Sibirica Ledb.) (Ueber die nordwestgrenze der  
Sibirischen lärche (Larix sibirica Ledbr.) Trudy  
Bot. Inst. Akad. Nauk SSSR (Acta Inst. Bot. Acad.  
Sci. URSS Ser.III, Geobotanica) 1: 87-97. illus.,  
map. 1934.

Russian with German summary.

Die Umschau (Frankfurt) (474Um7)

Merkenschlager, F.

Die vergrünung der weisskleeblüte. Eine  
studie zur sexualpathologie der pflanze. Die  
Umschau 38: 894-897. illus. N.4, 1934. no.45.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Daná, B. F.

Occurrence of curly top in the Pacific north-  
west in 1934. U.S. Dept. Agr. Plant Dis. Rep.  
18: 168-173. N.15, 1934. no.14.

Foster, A. C.

Blackheart disease of celery. U.S. Dept. Agr.  
Plant Dis. Rep. 18: 177-185. N.15, 1934. no.14.

U.S. Dept. Agr. Techn. Bull. (1Ag84To)

Jordan, H.V., Dawson, P.R., Skinner, J.J. & Hunter, J.H.

The relation of fertilizers to the control of  
cotton root rot in Texas. U.S. Dept. Agr. Techn.  
Bull. 426. 75 p. illus. Ag.1934. (Rec'd Nov.)

Univ. Kansas Sci. Bull. (500K132S)

Bates, J. C.

Comparative anatomical research within the  
genus Ribes. Univ. Kansas Sci. Bull. 21: 369-  
398. illus., pl.xliii-xlvii. Mr.1933. no.11.

Booth, W. E.

Comparative anatomy of Mentzelia oligosperma  
and M. decapetala. Univ. Kansas Sci. Bull.  
21: 439-461. pl. lvi-lix. Mr.1933. no.14.



Univ. Kansas Sci. Bull. (cont.)

Payne, M. A., Sister

Morphology and anatomy of *Mollugo verticillata*

L. Univ. Kansas Sci. Bull. 21: 399-419. pl.  
xlviii-li. Mr.1933. no.12.

Spann, L.

Morphology and anatomy of *Lygodesmia juncea*

(Pursh) D. Don. Univ. Kansas Sci. Bull. 21: 421-  
438. pl.lii-lv. Mr.1933. no.13.

Univ. Wyoming Publ. Sci. (450W99)

Giles, G. H.

Algae of the Medicine Bow Mountains, Wyoming,  
in the vicinity of the University of Wyoming summer  
camp. Univ. Wyoming Publ. Sci. 1: 187-218.  
vi pl. Ag.15, 1934. no.7.

Hanna, L. A.

The major plant communities of the headwater  
area of the Little Laramie River, Wyoming. Univ.  
Wyoming Publ. Sci. 1: 243-266. illus. Ag.15, 1934.  
no.10.

Porter, C. L.

The moss genus *Brachythecium* in Wyoming.

Univ. Wyoming Publ. Sci. 1: 235-241. Ag.15, 1934.  
no.9.

Solheim, W. G.

*Mycoflora saximontanensis exsiccata centum I.*

Univ. Wyoming Publ. Sci. 1: 219-232. Ag.15, 1934.  
no.8.

*Marsonia galii* n.sp.

Vestník Českosl. Akad. Zeměd. (Prague) (19.50332)

Neoral, K. & Blaha, J.

Oplozování u ovocných stromů. (The pollination  
of fruit trees). I. Merunký a broskvoně. (Apricots  
and peaches). Věstník Českosl. Akad. Zeměd.  
10: 590-595. illus. 1934. no.8/9.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. (Leipzig) (442.8Z34)

Beisser, E.

Zytologisch- genetische untersuchungen an den  
bastarden *Nicotiana tabacum* x *N. rusbyi* und ihren  
rückkreuzungen zu *N. rusbyi* und *N. silvestris*. II.

Zeitschr. Indukt. Abstamm. u. Vererbungsl. 68: 1-21.  
illus. 1934. no.1.



Zeitschr. Indukt. Abstamm. u. Vererbungslehre. (cont.)

Berg, K. H. v.

Cytologische untersuchungen an den  
bastarden des *Triticum turgidovillosum* und an  
einer F<sub>1</sub> *Triticum turgidum* x *villosum*. Weitere  
studien am fertilen konstanten artbastard  
*Triticum turgidovillosum* und seinen verwandten. III.  
Zeitschr. Indukt. Abstamm. u. Vererbungslehre. 68:  
94-126. illus. 1934. no.1.

Oelkrug, K.

Genetische und zytologische untersuchungen an  
eu-oenotheren. Die zytologie der komplexverbindun-  
gen zwischen *Oe. berteriana* und *Oe. mollissima* und  
die frage der homozygoten-eliminierung bei den eu-  
oenotheren. Zeitschr. Indukt. Abstamm. u.  
Vererbungslehre. 68: 22-93. illus. 1934. no.1.

Zeitschr. Pflanzenkr. (Stuttgart) (464.8Z3)

Reinmuth, E.

Tomatenfruchtfäule durch *Cladosporium fulvum*  
Cooke. Zeitschr. Pflanzenkr. 44: 558-560.  
illus. 1934. no.11.

Zeitschr. Ver. Deut. Zuck.-Ind. (Berlin) (66.8Z33)

Krüger, W., Wimmer, G. & Lüdecke, H.

Beitrag zur frage der bekämpfung der herz-  
und trockenfäule der zuckerrüben. Feldversuche.  
Zeitschr. Ver. Deut. Zuck.-Ind. 84: 507-536.  
illus. Ag.1934.

Wimmer, G. & Lüdecke, H.

Ist bormangel die ursache der herz- und  
trockenfäule der zuckerrüben? Zeitschr. Ver.  
Deut. Zuck.-Ind. 84: 149-666. illus. S.1934.

Der Züchter (Berlin) (442.8Z8)

Isenbeck, K.

Züchtung auf feldresistenz beim gelbrost des  
weizens. Der Züchter 6: 221-228. illus. O.  
1934. no.10.

Medwedewa, G.

Cytologische studien über ramie (*Boehmeria  
nivea* L.) Der Züchter 6: 228-234. illus.  
O. 1934. no.10.



Der Züchter (cont.)

Moritz, O.

Ueber serologische verwandtschaftsforschung.  
Der Züchter 6: 217-221. illus. O.1934. no.10.

Scheibe, A.

Ueber vorkommen und nutzungsweise der wilderbse  
(*Pisum elatius* Stev.) und der wildbohne (*Vicia*  
*narbonensis* var. *intermedia* Strobl) in Anatolien.  
Der Züchter 6: 234-240. illus. O.1934. no.10.

Exp. Stat. Publ.

Emmert, E. M.

Tests for phosphate, nitrate and soluble  
nitrogen in conducting tissue of tomato and lettuce  
plants, as indicators of availability and yield.  
Kentucky Agr. Exp. Stat. Circ. 43: 25-40. S.1934.  
(100K41)

Johnston, S.

The cultivation of the highbush blueberry,  
*Vaccinium corymbosum*. Michigan Agr. Exp. Stat.  
Spec. Bull. 252. 52 p. illus. O.1934. (100M58S)

Wilson, J. D. & Runnels, H. A.

Transpiration response of various plants to  
Bordeaux mixture. Ohio Agr. Exp. Stat. Bimonth.  
Bull. 19: 198-202. N./D.1934. (1000h3S)

State Publications.

Blood, H. L.

The control of tomato bacterial canker  
(*Aplanobacter michiganense* E.F.S.) by fruit-pulp  
fermentation in the seed-extraction process.  
Month. Bull. Dept. Agr. Calif. 23: 259-263. O./N.  
1934. no.10/11.

Richards, B. L.

Bacterial wilt of alfalfa. Month. Bull.  
Dept. Agr. Calif. 23: 256-259. O./N.1934. no.10/11.

Robbins, W. W.

Weed investigations in California. Month.  
Bull. Dept. Agr. Calif. 23: 307-312. O./N.1934.  
no.10/11.

Wyckoff, S.N.

The white pine blister rust situation.  
Month. Bull. Dept. Agr. Calif. 23: 296-298.  
O./N. 1934. no.10/11.



State Publications. (cont.)

Zeller, S. M.

Recent observations of strawberry diseases.  
Month. Bull. Dept. Agr. Calif. 23: 314-320.  
O./N.1934. no.10/11.

Curtis, R. W. & De France, J. A.

Lawns, their construction and maintenance.  
Cornell Ext. Bull. 296. 52 pi illus. Je.1934.  
Weeds by W.C. Muenscher: p.33; Diseases by L.M.  
Massey: p.47.

New Books

Chandra Sên, B.

Sur les graines oléagineuses de l'Inde (Pro-  
duction agricole et commerce). Paris, Les presses  
universitaires de France, 1933. (77Se52)

Hauman, L.

Catalogue des ptéridophytes et phanérogames de  
la flore belge. Énumération mise à jour et révisée  
au point du vue systématique et synonymique des  
espèces et de leurs variétés. Gembloux, J. Duclot,  
1934. (Suppl. au t.LXVI du Bulletin de la  
Société royale de botanique de Belgique) (459.4H29)

Krüger, O.

Die gramineenflora im nordamerikanischen und  
südamerikanischen trockenengebiet. Berlin, 1934.  
Inaug.-diss. Berlin.

Swallen, J. R.

The grasses of the Yucatan Peninsula. Reprinted  
from Carnegie Inst. Washington Publ. 436, p.323-355.  
illus. O.1934 (456.1Sw1)

Correction.

v.16, no.22, p.42.

Tidsskr. Planteavl. vol. should be 40, the no., 2.



LC

# BOTANY

## CURRENT LITERATURE

LIBRARY  
RECEIVED

★ 1-11-34

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 25.

Dec. 3-15, 1934.

Agr. Gaz. N.S.W. (Sydney) (23N472)

Bartlett, H.

Frost injury to wheat. Agr. Gaz. N.S.W.

45:611-612. N.1, 1934. no.11.

May be mistaken for disease.

Seddon, H. R.

Poisonous plants. Circumstances under which losses  
may occur. (concl.) Agr. Gaz. N.S.W. 45:629-632.

illus. N.1, 1934. no.11.

Angew. Bot. (Berlin) (450An4)

Bremer, H.

Was sind gemüsepflanzen? Angew. Bot. 16: 377-

395. S./O. 1934. no.5.

Hoffmann, W.

Ueber das auswachsen des getreides, speziell  
der gerste. Angew. Bot. 16: 396-424. S./O. 1934.  
no.5.

Snell, K.

Beobachtungen über vererbung morphologischer  
merkmale bei der kartoffel. Angew. Bot. 16:

425-429. S./O. 1934. no.5.

Ann. Ist. Sup. Agr. e For. Firenze. (99.9F66)

Philippis, A. de.

Alcune ricerche di fitoimmunità. Ann. Ist.

Sup. Agr. e For. Firenze II, 4: 117-135. illus.  
1934.

Ann. Bot. (London) (450An7)

Archbold, H. K. & Barter, A. M.

Chemical studies in the physiology of apples.  
XV. The relation of carbon dioxide output to the  
loss of sugar and acid in Bramley's seedling apples  
during storage. Ann. Bot. 48: 957-966. O.  
1934. no.192.



Ann. Bot. (cont.)

Bannan, M. W.

Seasonal wounding and resin-cyst production in the hemlock, *Tsuga canadensis* (L.) Carr. Ann. Bot. 48: 857-868. illus., pl.xix. O.1934. no.192.

Blackman, G. E.

The ecological and physiological action of ammonium salts on the clover content of turf. Ann. Bot. 48: 975-1001. O.1934. no.192.

Crowther, F.

Studies on growth analysis of the cotton plant under irrigation in the Sudan. I. The effects of different combinations of nitrogen applications and water-supply. Ann. Bot. 48: 877-913. O.1934. no.192.

Dastur, R. H. & Gunjekar, L. K.

Effect of elliptically-polarized light on the formation of carbohydrates in leaves. Ann. Bot. 48: 1003-1012. illus. O. 1934. no.192.

Experiments with tobacco, radish, nasturtium and onion.

Emmett, H.E.G. & Ashby, E.

Some observations on the relation between the hydrogen-ion concentration of the soil and plant distribution. Ann. Bot. 48: 869-876. O.1934. no.192.

Ernest, E. C. M.

The effect of intercellular pressure on the suction pressure of cells. Ann. Bot. 48: 915-918. O. 1934. no.192.

Joshi, A. C.

Morphology of the styler canal in angiosperms. Ann. Bot. 48: 967-974. illus. O.1934. no.192.

Karling, J. S.

A preliminary contribution to the structure and development of *Coccoloba linkii*. Ann. Bot. 48: 823-855. illus., pl.xvi-xviii. O.1934. no.192.

Passmore, S. F.

Hybrid vigour in reciprocal crosses in *Cucurbita pepo*. Ann. Bot. 48: 1029-1030. O. 1934. no.192.



Ann. Bot. (cont.)

Portsmouth, G. B.

The effect of ionized air on the respiration of green plants. Ann. Bot. 48: 1013-1027.  
illus. O.1934. no.192.

Purvis, O. N.

An analysis of the influence of temperature during germination on the subsequent development of certain winter cereals and its relation to the effect of the length of day. Ann. Bot. 48: 919-955. illus., pl.xx. O.1934. no.192.

Ann. Rep. Gezira (Sudan) Agr. Res. Serv. (245u232)

Massey, R. E.

Section of botany and plant pathology, G.A.R.S.  
Final report on experimental work in 1932/33:  
Ann. Rep. Gezira (Sudan) Agr. Res. Serv. 1933: 126-146. diags. 1934  
Mimeographed.

Ann. Rep. Imp. For. Inst. Univ. Oxford (99.080x23)

Oxford. University. Imperial forestry institute.

Forest pathology. In its Ann. Rep.

10: 1921. 1934.

W.R. Day in charge.

Arch. Pharm. & Ber. Deut. Pharm. Ges. (Berlin) (396.8Ar2A)

Jaretsky, R. & Ulbrich, H.

Die intraplasmatischen vorgänge bei der schleimbildung in den samen von *Linum usitatissimum* L. und in den wurzeln von *Althaea officinalis* L.

Arch. Pharm. & Ber. Deut. Pharm. Ges. 272: 796-811. 2 pl. N.1934. no.8.

Beih. Bot. Centralbl. Abt.A. (Dresden) (450B65B)

Babicka, J.

Analyse der aus pflanzlichen organen exosmo-dierenden stoffe. Beih. Bot. Centralbl. Abt.A, 52: 485-505. illus. O.1934. no.3.

Babicka, J.

Die wuchsstoffe. Beih. Bot. Centralbl. Abt. A, 52: 449-484. O. 1934. no.3.

Engmann, K. F.

Studien über die leistungsfähigkeit der wasser-gewebe sukkulenter pflanzen. Beih. Bot. Central-bl. Abt.A, 52: 381-414. illus. O. 1934. no.3.

1. The first part of the document is a list of names and addresses.

2. The second part of the document is a list of names and addresses.

3. The third part of the document is a list of names and addresses.

4. The fourth part of the document is a list of names and addresses.

5. The fifth part of the document is a list of names and addresses.

6. The sixth part of the document is a list of names and addresses.

7. The seventh part of the document is a list of names and addresses.

8. The eighth part of the document is a list of names and addresses.

9. The ninth part of the document is a list of names and addresses.

Beih. Bot. Centralbl. Abt.A. (cont.)

Godward, M. B.

An investigation of the causal distribution of algal epiphytes. Beih.Bot. Centralbl. Abt.A, 52: 506-539. illus. O.1934. no.3.

Hermann, S. & Neiger, R.

Beeinflussung der keimfähigkeit von weizen durch beizung mit salizylsäure und salizylsäureverbindungen. Beih. Bot. Centralbl. Abt.A, 52: 577-583. O. 1934. no.3.

Nold, R. H.

Die funktion der blase von *Utricularia vulgaris* (Ein beitrage zur elektrophysiologie der drüsenfunktion) Beih. Bot. Centralbl. Abt.A, 52: 415-448. O. 1934. no.3.

Pohl, F.

Kleiner beitrage zur kenntnis der blattwirtelbildung. (*Veronica longifolia* L., *Eupatorium ageratum* L., *Galium boreale* L.) Beih. Bot. Centralbl. Abt.A, 52: 566-576. illus. O.1934. no.3.

Schmucker, T. & Drude, G.

Ueber verbreitungsgesetze bei pflanzen, insbesondere *Allium ursinum*. Beih. Bot. Centralbl. Abt.A, 52: 540-565. illus. O.1934. no.3.

Ber. Deut. Chem. Ges. (Berlin) (384B45)

Asahina, &. & Fuzikawa, F.

Untersuchungen über flechtenstoffe. XLIV-XLV. Ber. Deut. Chem. Ges. 67: 1789-1792, 1793-1795. 1934. no.11.

XLIV. Ueber salazininsäure und nor-stictininsäure. XLV. Ueber die identität der coccellsäure mit der barbaminsäure.

Biochem. Zeitschr. (Berlin) (384B522)

Chrzaszcz, T. & Janicki, J.

Wirkung von trypsin und amylokinase auf die menge der amylase verscheidener getreidearten. Biochem. Zeitschr. 274: 274-284. N.14, 1934. no.3/4.

Biull. Gosud. Nikitsk. Bot. Sad. (Bull. Gov. Bot. Gard. Nikita) (Ialta) (106Ia5B)

Anisimova, A. I.

Veernaia pal'ma v Krymu (Fan palm in the Crimea . (*Trachycarpus excelsus* H. Wendl.) Biull. Gosud. Nikitsk. Bot. Sad.(Bull. Gov. Bot. Gard. Nikita) no.15. 47 p. illus. 1934.

Russian.



Biull. Gosud. Nikitsk. Bot. Sad. (Bull. Gov. Bot. Gard. Nikita)  
(cont.)

Eggers, E. V.

Zemlianichmoe derevo v Krymu Strawberry tree  
in the Crimea (Arbutus andrachme L.) Biull.  
Gosud. Nikitsk. Bot. Sad. (Bull. Gov. Bot. Gard.  
Nikita) no.15. 39 p. illus. 1934.  
Russian.

Boll. R. Staz. Patol. Veg. Roma. (Firenze) (464.9R662)  
Biraghi, A.

Intumescenze di origine interna su foglie di  
Agave. Boll. R. Staz. Patol. Veg. Roma n.s.,  
14: 389-396. illus. 1934. no.3.  
Brief English summary.

Gigante, R.

Un caso di elevata recettività per le malattie  
da virus presentato da piante di patata provenienti  
da riproduzione sessuale. Boll. R. Staz. Patol.  
Veg. Roma n.s., 14: 334-338. 1934. no.3.  
English summary: p.338.

Potatoes of variety Bianca di Como show in  
plants from seed a greater susceptibility to virus  
diseases than in plants obtained from tubers.

Goidànich, G.

Ricerche sul "deperimento" dei susini.  
Boll. R. Staz. Patol. Veg. Roma n.s., 14: 339-381.  
illus. 1934. no.3.  
English summary.

Similar to "apoplexy" of which it would form a  
particular type. Author proposes to call; "non  
parasitic leptonecrosis".

Petri. L.

Degenerazione e necrosi del cambio dei peri  
e dei meli nel Trentino e in Alto Adige. Boll.  
R. Staz. Patol. Veg. Roma n.s., 14: 281-326.  
illus. 1934. no.3.

Sibilia, C.

Relazione sulla esperienze di lotta diretta  
contro le ruggini del grano. Boll. R. Staz.  
Patol. Veg. Roma n.s., 14: 327-333. illus. 1934.  
no.3.

Boll. Sez. Ital. Soc. Intern. Microbiol. (Milano) (448.3Sol)  
Arnaudi, C. & Castellani, E.

Sur le bacteriophage du Rhizobium radiculicola.  
Boll. Sez. Ital. Soc. Intern. Microbiol. 6: 317-  
321. S. 1934. no.9.



Boll. Sez. Ital. Soc. Intern. Microbiol. (cont.)

Curzi, M.

Complexité spécifique de la Dermatophora glomerata, Viala. Boll. Sez. Ital. Soc. Intern. Microbiol. 6: 321-325. S. 1934. no.9.

Vialaella glomerata n.gen. et n.sp.

Bot. Mag. Tokyo (450B651)

Chizaki, Y.

Another new haploid plant in Triticum monococcum L. Bot. Mag. Tokyo 48: 621-628. illus. S. 1934. no.573.

Emoto, Y.

Die myxomyceten Japans VI-VII. Bot. Mag. Tokyo 48: 636-642, 737-749. illus. S., O. 1934. no.573-574.

Japanese with brief German résumé.

Hara, H.

Preliminary report on the flora of southern Hidaka, Hokkaido (Yezo) I. Bot. Mag. Tokyo 48: 685-707. illus. O.1934. no.574.

Horikawa, Y.

Symbolae florae Bryophytae Orientali-Asiae. II-III. Bot. Mag. Tokyo 48: 599-609, 708-719. illus. S., O. 1934. no.573-574.

Kanehira, R.

New or noteworthy trees from Micronesia. VII. Bot. Mag. Tokyo 48: 730-736. illus. O.1934. no.574.

Kitagawa, M.

Contributio ad cognitionem florae manshuricae. IV. Bot. Mag. Tokyo 48: 610-620. illus. S. 1934. no.573.

Koidzumi, H.

Taraxacum novum Orientali-Asiaticum. II-III. Bot. Mag. Tokyo 48: 587-598, 667-684. S., O. 1934. no. 573-574.

Shimotomai, N. & Kimura, K.

Geschlechtschromosomen bei zwei laubmoosen. Bot. Mag. Tokyo 48: 629-635. illus. S.1934. no.573. Japanese with very brief German summary. Polytichum attentuatum, Ceratodon purpureus.



Bot. Mag. Tokyo (cont.)

Sinōto, Y. & Uyasa, A.

Studies in the cytology of reproductive cells.

I. On the planocytes in five forms of Myxomycetes. Bot. Mag. Tokyo 48: 720-729. illus.

O. 1934. no.574.

Bull. Misc. Inform. Kew (London) (451K51B)

Hill, A. W.

Dr. Leonard Cockayne, F.R.S. Bull. Misc.

Inform. Kew 1934: 313-317. no.8.

Richards, P. W.

Musci collected by the Oxford expedition to British Guiana in 1929. Bull. Misc. Inform. Kew 1934: 317-337. illus. no.8.

Bull. Soc. Chim. Biol. (Paris) (383Sol)

Berthelot, A., Deinse, F. van & Amoureux, G.

Sur l'emploi des crosnes dans la préparation des milieux de culture. Bull. Soc. Chim. Biol. 16: 1568-1570. N.1934. no.9.

Berthelot, A. & Amoureux, G.

Sur la préparation des milieux de culture à base de peptone pepsique de tourteau d'arachide. Bull. Soc. Chim. Biol. 16: 1561-1564. N.1934. no.9.

Berthelet, A., Amoureux, G. & Deinse, F. van

Sur les avantages de la peptone pepsique de tourteau de soya pour la préparation des milieux de culture. Bull. Soc. Chim. Biol. 16: 1565-1567. N. 1934. no.9.

Berthelot, A. & Amoureux, G.

Sur quelques milieux synthétiques propres à l'étude de *B. tumefaciens*. Bull. Soc. Chim. Biol. 16: 1558-1560. N. 1934. no.9.

Bull. Soc. Hist. Nat. Afr. Nord (Alger) (410.9Sol25)

Henry, A.

Note préliminaire sur le grain d'amidon du caryopse dans le genre *Triticum*. Bull. Soc. Hist. Nat. Afr. Nord 25: 266-285. illus. J1.1934. no.7.



Bull. Soc. Hist. Nat. Afr. Nord. (cont.)

Laumont, P. & Murat, M.

Observations sur la moucheture et la mauvaise germination de quelques blés en 1933. Bull. Soc. Hist. Nat. Afr. Nord. 25: 253-265. pl.xxviii. Jl. 1934. no.7.

Maire, R.

Contributions à l'étude de la flore de l'Afrique du nord. fasc.22. Bull. Soc. Hist. Nat. Afr. Nord 25: 286-326. Jl. 1934. no.7.

Bull. Torr. Club (451T63B)

Fulling, E. H.

Identification, by leaf structure, of the species of *Abies* cultivated in the United States. Bull. Torr. Club 61: 497-524. pl.26-32. D.1934. no.9.

Humphrey, E.

A study of pollen-tube behavior in *Lilium regale* Wil. Bull. Torr. Club 61: 491-495. D. 1934. no.9.

Keener, P. D.

Biological specialization in *Darluca filum*. Bull. Torr. Club 61: 475-490. pl.25. D.1934. no.9.

Bull. Utsunomiya Agr. Coll. Japan (107.6Ut72)

Watanabe, T.

Studies on the physiologic specialization in *Fusarium* sp. causing stem rot of sweet potatoes II. The influence of hydrogen-ion concentration of media upon the mycelial growth. Bull. Utsunomiya Agr. Coll. Japan Sect. A, Agr. Sci. & For. 2: 1-17. ii pl. S.1934. no.1.

Japanese with English summary.

Cactus Journ. Gt. Brit. (London) (450C113)

Backeberg, C.

What is a *Borzicactus*? Cactus Journ. Gt. Brit. 3: 24-26. illus. D.1934. no.2.  
Translated from the Dutch.

Farden, R. S.

Succulents other than Cactaceae and Mesembryanthemae. (cont.) Cactus Journ. Gt. Brit. 3: 27-29. D. 1934. no.2.



Cactus Journ. Gt. Brit. (cont.)

Karsten, M. C.

The Karoo garden at Whitehill near Matjesfontein. Cactus Journ. Gt. Brit. 3: 21-23. illus. D. 1934. no.2.

Schweickerdt, H. G.

A short account of the succulent flora of the Transvaal. Cactus Journ. Gt. Brit. 3: 30-31. D.1934. no.2.

Canad. Hort. (Peterboro, Ont.) (80016)

Strong, W. J.

Recent developments in small fruits. Canad. Hort. 57: 261-262. D.1934. no.12.

Cane Grow. Quart. Bull. Queensl. (65.9030)

Bell, A. F.

Results of disease resistance trials with sugar cane varieties. Cane Grow. Quart. Bull. Queensl. 2: 44-46. O.1, 1934. no.2.

Chimie et Industr. Spec. no. (3830420)

Pastac, I.

La constitution des phénols et leur action anti-cryptogamique. Chimie et Industr. Spec. No. Ap. 1934. p. 1027-1032.

Truffaut, G.

La bouillie bordelaise, son mode rationnel de préparation et son emploi. Chimie et Industr. Spec. no., Ap. 1934. p.1020-1026. illus.

Compt. Rend. Acad. Agr. France (Paris) (14P2153c)

Capus, J. & Dubacquié, J.

Sur le mode d'action des bouillies cupriques contre le mildiou. Compt. Rend. Acad. Agr. France 20: 944-946. N.14, 1934. no.28.

Foex, E. & Burgevin, H.

Observations sur la maladie du coeur de la betterave. Compt. Rend. Acad. Agr. France 20: 978-983. N. 1934. no.29.



Compt. Rend. Acad. Sci. Paris (505P21)

Bouget, J.

Culture de pommes de terre issues de graines,  
à Bagnères-de-Bigorre (560m). Compt. Rend. Acad.  
Sci. Paris 199: 1154-1156. N.21, 1934. no.21.

Chevalier, A.

Premier aperçu sur la végétation de l'Archipel  
des Iles du Cap Vert. Compt. Rend. Acad. Sci.  
Paris 199: 1152-1154. N.19, 1934. no.21.

Jhillet, A. & Zitti, R.

Variations saisonnières de l'acide cyanhydrique  
chez le *Monilia caerulea* Moench. Compt. Rend. Acad.  
Sci. Paris 199: 1150-1152. N.19, 1934. no.21.

Lemée, G.

Sur l'alliance du hêtre, ou fagion, dans le  
Perche et le nord-ouest de la France. Compt. Rend.  
Acad. Sci. Paris 199: 1157-1159. N.19, 1934. no.21.

Molliard, M. & Crépin, A.

Caractères présentes par les plantes vertes  
qui se développent dans de l'air enrichi en gaz car-  
bonique. Compt. Rend. Acad. Sci. Paris 199: 1077-  
1080. illus. N.19, 1934. no.21.

Smith, K. & Dufrenoy, J.

Sur le virus Y des solanées. Compt. Rend. Acad.  
Sci. Paris 199:1147-1150. illus. N.19, 1934. no.21.

Compt. Rend. Soc. Biol. Paris. (442.9P21)

Gratia, A.

Différenciation sérologique des virus X et Y  
de la pomme de terre chez les plantes infectées  
ou porteuses de ces virus. Compt. Rend. Soc. Biol.  
Paris 117: 490-492. 1934. no.31.

Contr. Dudley Herb. Stanford Univ. (451L53)

Wiggins, I. L.

A report on several species of *Lycium* from the  
southwestern deserts. Contr. Dudley Herb. Stanford  
Univ. 1: 197-206. pl.18-19. 1934. no.6.

*L. densifolium*, *L. disperrum* n.spp.

D. N. C. Rev. Dept. Nac. Café Rio de Janeiro.

Friere, C. V.

Contribuição ao histológico dos cafeeiros  
no Brasil. IV. Estrutura da folha. D. N. C. Rev.  
Dep. Nac. Café Rio de Janeiro 2: 559-560. illus.  
O. 1934. no.16.



Dansk Bot. Ark. (København) (450D23)

Skovsted, A.

Cytological studies in the tribe Saxifrageae.

Dansk Bot. Ark. v.8, no.5. 52 p. illus. 1934.

K. Danske Vidensk. Selsk. Skrift. Naturf. Math. Afd. (502C79)

Lund, A.

Studies on Danish freshwater Phycomycetes and notes on their occurrence, particularly relative to the hydrogen ion concentration of the water.

K. Danske Vidensk. Selsk. Skrift. Naturv. Math. Afd. IX,6: 1-97. illus. 1934. no.1.

Desert (Pasadena) (450D45)

Herre, H.

Two beautiful but unknown Namaqualand pelargoniums. Desert (Pasadena) 6:117. illus.

D. 1934. no.8.

*Pelargonium incrassatum*, *P. oblongatum*.

Deut. Landw. Presse (Berlin) (18D482)

Hoffmann,

Bekämpfung der fusskrankheiten des weizens.

I. Die halmschwärze... *Ophiobolus*. Deut. Landw.

Presse 61: 570. N.17, 1934. no.46.

Empire Journ. Exp. Agr. (Oxford) (10Em7)

Davies, R. O. & Chippindale, H. G.

The response of grasses and clover to treatment on acidic upland soils, and the effect of herbage plants on the reaction of acidic soils.

Empire Journ. Exp. Agr. 2: 324-336. O. 1934. no.8.

Hill, A. G.

A review of recent methods and results in sugar-cane breeding. Empire Journ. Exp. Agr.

2: 285-292. pl.6-7. O.1934. no.8.

Nutman, F. J.

The root-system of *Coffea arabica*. III. The spatial distribution of the absorbing area of the root. Empire Journ. Exp. Agr. 2: 293-302. pl.

8-10. O.1934. no.8.

Flow. Grow. (Calcium, N.Y.) (80M72)

House, H. D.

Photographing wild flowers. Flow. Grow. 21:

518-519. illus. D.1934. no.12.



Gard. Chron. (London) (80G162)

Balls, E. K.

*Campanula tridentata*, Schreb., and var. *stenophylla*, Boiss. Gard. Chron. III, 96: 271, illus. N.24, 1934. no.2500

Bancroft, H.

Notes on the status and nomenclature of the British elms. VII. Conclusion. Gard. Chron. III, 96: 372-373. N.24, 1934. no.2500.

Chittenden, F. J.

*Antirrhinum rust*: a plea. Gard. Chron. III, 96: 357. N.17, 1934. no.2499.

Hornibrook, M.

Two interesting dwarf conifers. Gard. Chron. III, 96: 373-374. N.24, 1934. no.2500

*Cupressus lawsoniana* var. *caudata*, *Picea abies* var. *brevifolia*.

Orpet, E. O.

*Lepachys columaris*. Gard. Chron. III, 96: 370. N.24, 1934. no.2500

Refers to F. G. Windelmere's article on *Epachys* (sic) *columaris*.

Ward, F. K.

Mr. F. Kingdon Ward's twelfth expedition in Asia. VIII. Chutong. Gard. Chron. III, 96: 354-355. illus. N.17, 1934. no.2499.

Elm disease in Great Britain. Gard. Chron. III, 96: 365. N.24, 1934. no.2499.

*Plantae Willmottianae*. Gard. Chron. III, 96: 365. N.24, 1934. no.2500.

Plant named for Miss Willmott.

Gard Chron. Amer. (80G1632)

Bissell, E. B.

The Island trail in the Blaksley botanic garden. Gard. Chron. Amer. 38: 353-354. illus. D.1934. no.12.

English, C. S. jr. & English, E. F.

A new *Talinum* from Washington. Gard. Chron. Amer. 38: 355. illus. D.1934. no.12.

*T. okanoganense*.



Gartenschönheit (Berlin) (80G199)

Schneider, C

Gehölze; die wir brauchen. V. Gartenschönheit  
15: 252-253. illus. N.1934. no.11.

Hedwigia (Dresden) (450H35)

Lamb, I.

Entwicklungsgeschichtliche untersuchung einer  
morphologisch abweichenden Puccinia-art (Pucc. son-  
chi Rob.) Hedwigia 74: 181-194. illus.  
N. 12, 1934. no.5.

Loeske, L.

Ueber Tayloria splachnoides und Dicranium  
blyttii im norddeutschen tieflande und über  
Cynodontium limprichtianum. Hedwigia 74;  
214-223. N.12, 1934. no.5.

Rensch, I.

Farne und bär-lappe der Sunda-expedition Rensch.  
Hedwigia 74: 224-256. pl.vii. N.12, 1934. no.5.  
Unter einbeziehung einer aufsammlung G. Steins  
von Timor.

Zahlbruckner, A.

Nachträge zur flechtenflora Chinas. Hedwigia  
74: 195-213. illus. N.12, 1934. no.5.

Intern. Bull. Plant Prot. (464.8in8)

Marchionatto, J. B.

Argentine Republic: Eradication of Aleppo  
grass by sodium chlorate. Intern. Bull. Plant  
Prot. 8: 242-243. N. 1934. no.11.

Marchionatto, J. B.

Argentine Republic: Plant diseases observed  
in the country. Intern. Bull. Plant Prot. 8:  
241. N.1934. no.11.

Journ. Agr. Res. (Washington, D. C.) (Ag84J)

Dunegan, J. C.

A disease of the English Morello cherry  
caused by Bacterium Pruni. Journ. Agr. Res. 49:  
745-754. O.15, 1934 (Rec'd D.7) no.8.

Stewart, G.

Effects of inbreeding on variability in alfal-  
fa. Journ. Agr. Res. 49: 669-694. illus. O.15,  
1934 (Rec'd D.7) no.8.

Worzella, W. W.

The inheritance of quality in Trumbull and  
Michikof varieties of winter wheat. Journ. Agr.  
Res. 49: 705-714. O.15, 1934 (Rec'd) D.7) no.8.



Journ. Dept. Agr. So. Australia (Adelaide) (23So84)

Hutton, E. M.

The important pasture plants of South Australia, considered as to their identification and characteristics. B. The clovers and clover like plants (cont.) Journ. Dept. Agr. So. Australia 38: 336-344. illus. O. 1934. no.3.

Journ. Dept. Agr. West. Austral. (Perth) (23W52J)

Gardner, C. A.

Mulla Mulla. (*Trichinium alopecuroideum*, Lindl.) Journ. Dept. Agr. West. Austral. II, 11: 530-531. illus. S.1934. no.3.

A native forage plant.

Gardner, C. A.

The oleander (*Nerium oleander*, Linn.) Journ. Dept. Agr. West. Austral. II, 11: 534-535. illus. S. 1934. no.3.

Munn, W. M.

Some new ideas on nitrogen nutrition of plants. Journ. Dept. Agr. West. Austral. II, 11: 511-512. S. 1934. no.3.

Pittman, H. A.

Powdery mildew of roses. Journ. Dept. Agr. West. Austral. II, 11: 468-469. S.1934. no.3.

Pittman, H. A.

Some important fungal diseases of grape vines and fruit trees in Western Australia and their control. Journ. Dept. Agr. West. Austral. II, 11: 488-506. illus. S.1934. no.3.

Journ. For. (Washington, D. C.) (99.8F768)

Welch, D. S.

The range and importance of *Nectria* canker on hardwood in the northwest. Journ. For. 32: 997-1002. illus. D.1934. no.9.

Journ. Hered. (Washington) (442.8Am3)

Beasley, J. O.

Soda straws in hybridizing cotton. Journ. Hered. 25: 502. D.1934. no.12.

Condit, I, J.

Anomalous fig trees. Plants showing chimaeral differences in flower form of value in throwing light on the origin of edible figs. Journ. Hered. 25: 497. illus. (p.496) D.1934. no.12.



Journ. Hered. (cont.)

Presley, J. W.

Offshoots on the Florida silver palm. Reproductive habit of Florida species unique among North American palms, of possible evolutionary interest. Journ. Hered. 25: 485-488. illus. D. 1934. no.12.

*Coccothrinax garberi*.

Journ. Indian Bot. Soc. (Madras) (450J821)

Almeida, J. F. R. d'

Ferns of Waziristan. Collected by J. Fernandez and E. Blatter. Journ. Indian Bot. Soc. 13: 149-152. Ap.1934. no.2.

Joshi, A. C.

An abnormal specimen of *Opuntia dillenii* Haw. Journ. Indian Bot. Soc. 13: 187. pl. Ap.1934. no.2.

Joshi, A. C. & Rama Rao, V. S.

Vascular anatomy of the flowers of four Nyctaginaceae. Journ. Indian Bot. Soc. 13: 169-186. illus. Ap.1934. no.2.

*Boerhaavia diffusa*, *B. repanda*, *Mirabilis jalapa*, *Bougainvillea spectabilis*.

Ramiah, K., Parthasarathi, N. & Ramanujam, S.

A haploid plant in rice. Journ. Indian Bot. Soc. 13: 153-164. illus., pl. Ap.1934. no.2.

Rangasamy, K.

Contribution to the life history of *Vallisneria spiralis* L. Journ. Indian Bot. Soc. 13: 129-148. vi. pl. Ap. 1934. no.2

Journ. Japanese Bot. (450J8223)

Asahina, Y.

Key to the Japanese *Lobaria*. Journ. Japanese Bot. 9: 269-271. illus. Ag.1933. no.4.

Japanese.

Asahina, Y.

*Lobaria*-arten aus Japan. I-III. Journ. Japanese Bot. 9: 333-339, 398-406, 449-462. illus. S., O., N. 1933. no.5,6,7.

Japanese with Latin diagnoses and comments in German.



Journ. Japanese Bot. (cont.)

Fujita, N.

On enclosed crystals. Journ. Japanese Bot.  
9: 130-133. illus. Je. 1933. no.2.  
Japanese.

Hiratsuka, N.

*Calyptospora geoppertiana* Kühn a parasite of  
*Vitis-idaea*. Journ. Japanese Bot. 9: 276-277.  
illus. Ag. 1934. no.4.  
Japanese.

Hisauchi, K.

*Clematis chinensis* Retzius. Journ. Japanese Bot.  
9: 49-52. illus. My. 1933. no.1.  
Japanese.

Hisauchi, K.

Dr. G. Koidzumi on *Clematis chinensis* Retz.  
Journ. Japanese Bot. 9: 168-169. illus. Jl. 1933.  
no.3.  
Japanese.

Hisauchi, K.

A form of *Pinus thunbergii* Parl. Journ. Japanese  
Bot. 9: 391-393. illus. O. 1933. no.6.  
Japanese with Latin diagnosis and comments in  
English. *Pinus thunbergii* f. *multiconifera*.

Hisauchi, K.

*Rubus yatabei* Focke and *R. medius* O. Kuntze.  
Journ. Japanese Bot. 9: 170-174. illus. Jl. 1933.  
no.3.  
Japanese.

Hisauchi, K.

Some hybridized *Dactylobati-rubi* in the  
eastern coast of Japan. Journ. Japanese Bot. 9:  
297-308. illus. S. 1933. no.5.  
Japanese with Latin diagnoses of new species (x  
*R. manazurensis*) & x *R. koidzumii* nom. nov., also  
comments in English.

Hisauchi, K.

A story of *Ephippianthus schmidtii* Reich. fil.  
Journ. Japanese Bot. 9: 523-527. illus. D. 1933.  
no.8.  
Japanese with French summary.

1. 1914  
2. 1914  
3. 1914

4. 1914  
5. 1914  
6. 1914

7. 1914  
8. 1914  
9. 1914

10. 1914  
11. 1914  
12. 1914

13. 1914  
14. 1914  
15. 1914

16. 1914  
17. 1914  
18. 1914

19. 1914  
20. 1914  
21. 1914

22. 1914  
23. 1914  
24. 1914

25. 1914  
26. 1914  
27. 1914

28. 1914  
29. 1914  
30. 1914

31. 1914  
32. 1914  
33. 1914

34. 1914  
35. 1914  
36. 1914

37. 1914  
38. 1914  
39. 1914  
40. 1914

Journ. Japanese Bot. (cont.)

Honda, M.

A new species of *Anaphalis*. Journ. Japanese Bot. 9: 279-280. illus. S.1933. no.15.

Japanese with Latin diagnosis (*A. viscosissima*)

Honda, M.

On two new species of *Calamagrostis* from the Prov. Simotuke. Journ. Japanese Bot. 9: 35-38. illus. My. 1933. no.1.

*C. scaberrima*, *C. sekimotoi*.

Ibuka, K.

On the spores of Japanese Lycopodia. Journ. Japanese Bot. 9: 327-333. illus. S.1933. no.5. Japanese.

Inokuma, T.

*Kirengeshoma palmata* Yatabe new to the flora of Korea. Journ. Japanese Bot. 9: 527-529. illus. D.1933. no.8.

Japanese.

Kariyone, T.

On the characteristic discoloration of the dried botanical specimens. Journ. Japanese Bot. 9: 313-315. S.1933. no.5.

Kitagawa, M.

A new *Iris* from South Manchuria. Journ. Japanese Bot. 9: 246-250. illus. Ag. 1933. no.4.

Japanese with Latin diagnosis. *Iris kobayashii*.

Kitagawa, M.

On the vegetation of Isl. Mang-tao, South Manchuria. Journ. Japanese Bot. 9: 103-120. illus. Je. 1933. no.2.

Japanese with Latin diagnoses of new species (*Brachypodium manshuricum*, *Phragmites hirsuta*, *Aster mangtaoensis*)

Kobayasi, Y.

Notes on *Lasiosphaera* Reich. I-II. Journ. Japanese Bot. 9: 468-480, 546-556. illus. N., D.1933. no.7,8.

Japanese.

Koidzumi, H.

*Taraxacum novum Japonicum*. I. Journ. Japanese Bot. 9: 349-364. O.1933. no.6.

The following is a list of the  
names of the members of the  
committee appointed to study  
the proposed changes in the  
constitution of the State.

Chairman: \_\_\_\_\_  
Members: \_\_\_\_\_  
Secretary: \_\_\_\_\_  
Treasurer: \_\_\_\_\_

Witness my hand and seal  
this \_\_\_\_\_ day of \_\_\_\_\_

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

Journ. Japanese Bot. (cont.)

Momiyama, Y.

Notes on the genus Benzoin. I. Journ. Japanese Bot. 9: 379-380. O.1933. no.6.  
Japanese.

Momiyama, Y.

On the bud of *Lespedeza buergeri* Miq.  
Journ. Japanese Bot. 9: 129-130. illus. Je. 1933. no.2.  
Japanese.

Noguchi, R.

On the growth of *Dictyophora phalloidea* Desv.  
Journ. Japanese Bot. 9: 207-211. illus. Jl.1933. no.3.  
Japanese.

Ogata, M.

On *Polypodium asahinae* M. Ogata. Journ. Japanese Bot. 9: 266-268. illus. Ag.1933. no.4.  
Japanese.

Ohki, K.

A new variety of *Buckleya joan* Makino.  
Journ. Japanese Bot. 9: 389-390. illus. O. 1933. no.6.  
Japanese, English summary & Latin diagnosis.  
*Buckleya joan* var. *tanigawaensis*.

Okamura, K.

Notes on the algae collected at various districts of Japan. Journ. Japanese Bot. 9: 481-489. N.1933. no. 7.  
Japanese.

Rokuya, M.

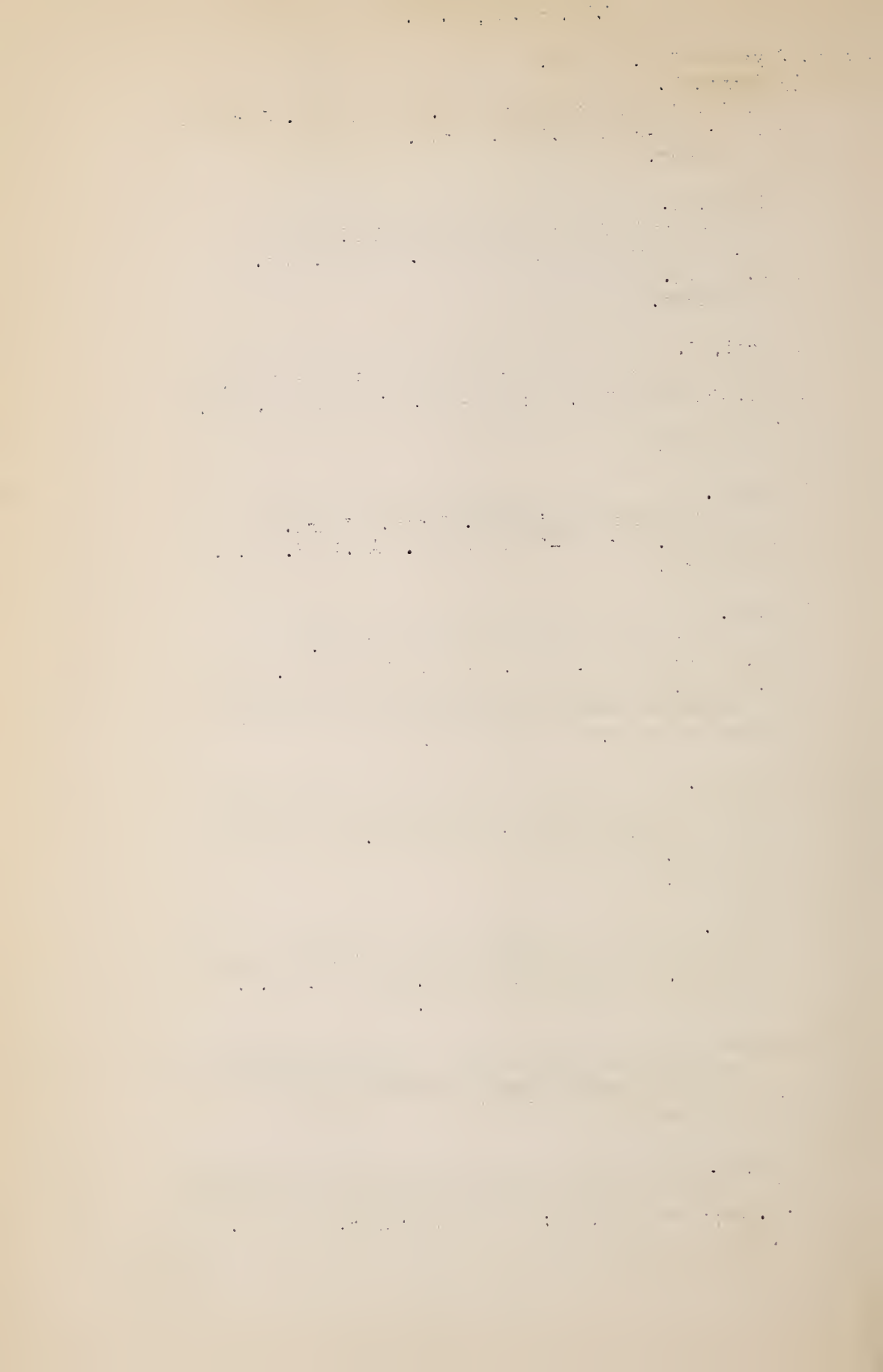
On *Polyporus dispansus* Lloyd. Journ. Japanese Bot. 9: 556-561. illus. D.1933. no.8.  
Japanese with English summary.

Satake, Y.

On *Rubus kisoensis* Nakai. Journ. Japanese Bot. 9: 501-505. illus. D.1933. no.8.  
Japanese.

Satari, S.

Notes on some anomalous leaves of Leguminosae.  
Journ. Japanese Bot. 9: 424-432. illus. N.1933. no.7.  
Japanese.



Journ. Japanese Bot. (cont.)

Sato, M. M.

Notes on some Japanese lichens determined by Dr. Edv. A. Wainio. I-V. Journ. Japanese Bot. 9: 67-74, 142-144, 211-214, 271-275, 339-343, illus. My.-S. 1933. no.2,3,4,5, Japanese.

Sato, M. M.

Recollections of excursion to Saghalien. I-III. Journ. Japanese Bot. 9:406-413, 462-468, 539-546. illus. O., N., D. 1933. no.6,7,8. Japanese.

Yamadori, K.

On heliotropism of Helianthus annuus. Journ. Japanese Bot. 9: 204-206. illus. J1.1933. no.3. Japanese.

Journ. New Zeal. Inst. Hort. (87M485J)

Allan, H. H.

Leonard Cockayne 1855-1934. Journ. New Zeal. Inst. Hort. 4(3): 11-15. port. O. 1934.

Hall, N.

A key to the species of Eucalyptus growing in New Zealand. Journ. New Zeal. Inst. Hort. 4(3): 5-9. O. 1934.

Kranke Pflanze (Dresden) (464.8K86)

Laubert, R.

Der löwenmaulrost, ein musterbeispiel sich rasch ausbreitender eingeschleppter pflanzenkrankheiten. Kranke Pflanze 11: 142-143. N. 1934. no.11.

Scheibe, K.

Undrautbekämpfung im herbste. Kranke Pflanze 11: 135-137. N.1934. no.11.

Kühn-Arch. (Berlin) (105.8H15Ku)

Calniceanu, C.

Beiträge zur resistenzzüchtung gegen Puccinia triticina Erikss. Kühn-Arch. 37: 59-90. 1934.

Schattenberg, H.

Untersuchungen über das verhalten von sorten, kreuzungsnachkommenschaften und kreuzungspopulationen gegenüber verschiedenen herkünften von haferflugbranden. Kühn-Arch. 37: 409-449. 1934.



Kühn-Arch. (cont.)

Wanner, E.

Untersuchungen über die keimfähigkeit des  
pollens der weinrebe (*Vitis*). Kühn-Arch. 37:  
317-365. illus. 1934.

Leafl. West. Bot. (San Francisco) (450L47)

Baker, M. S.

Pitkin marsh, a floral island at Vine Hill,  
Sonoma County, California. Leafl. West. Bot. 1:  
103. My.15, 1934. no.10.

Crum, E.

Oregonian variants in two species of *Potentilla*.  
Leafl. West. Bot. 1: 100-101. My.15, 1934. no.10.  
*P. douglasii*, *P. caruifolia*.

Eastwood, A.

New species of *Fremontia*. Leafl. West. Bot.  
1: 139-141. N.13, 1934. no.12.  
*F. crassifolia*, *F. napensis*, *F. obispoensis*.

Eastwood A.

A new species of *Solanum*. Leafl. West. Bot.  
1: 104. My.15, 1934. no.10.  
*S. obispoense*.

Eastwood, A.

A new species of *Talinum* from British Columbia.  
Leafl. West. Bot. 1: 139. N.13, 1934. no.12.  
*T. wayae*.

Eastwood, A.

A revision of *Arctostaphylos* with key and  
descriptions. Leafl. West. Bot. 1: 105-127.  
Ag.16, 1934. no.11.

Eastwood, A.

A revision of the genera formerly included in  
*Arctostaphylos*. Leafl. West. Bot. 1: 97-100.  
My.15, 1934. no.10.  
*Schizococcus* gen. nov. (*S. myrtifolius* (Gray),  
*S. mummularia* (Gray)).

Hilend, M. & Howell, J. T.

Preliminary studies in the genus *Galium* in  
Southern California. Leafl. West. Bot. 1: 134-  
137. N.13, 1934. no.12.

*G. munzi*, *G. jepsoni*, n. spp.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities. It emphasizes that proper record-keeping is essential for transparency and accountability, particularly in financial matters. The text suggests that organizations should implement robust systems to track and report on their operations, ensuring that all data is up-to-date and easily accessible.

2. The second section focuses on the role of leadership in fostering a culture of integrity and ethical behavior. It argues that leaders must set a clear example and communicate the organization's values consistently. By promoting a strong ethical framework, leaders can ensure that all employees understand the expected standards of conduct and are held accountable for their actions. This approach is crucial for building trust and maintaining the long-term success of the organization.

3. The third part of the document addresses the challenges of managing a diverse workforce. It highlights the need for effective communication and collaboration across different cultural and linguistic backgrounds. Organizations should invest in training and development programs to enhance cross-cultural understanding and teamwork. Additionally, it stresses the importance of creating an inclusive environment where all employees feel valued and have the opportunity to contribute their unique perspectives and skills.

4. The final section discusses the impact of technology on modern business operations. It notes that while technology offers significant advantages in terms of efficiency and data analysis, it also presents new challenges, such as data security and privacy concerns. Organizations must stay vigilant and implement strong cybersecurity measures to protect their sensitive information. Furthermore, they should embrace digital transformation to stay competitive in a rapidly changing market.

Leafl. West. Bot. (cont.)

Howell, J. T.

Cyperus difformis L. in California. Leafl.  
West. Bot. 1: 104. My.15, 1934. no.10.

Howell, J. T.

A name for a weed. Leafl. West. Bot. 1:  
142-144. N.13, 1934. no.12.

Several botanists have determined it as Poly-  
gonum aviculare, P. prolificum, P. ramosissimum,  
P. bellardi, P. pulchellum. Mrs. Bellue of Calif.  
Dept. Agr. and author conclude the proper name  
to be P. argyrocoleon.

Howell, J. T.

On the type of Galium multiflorum Kell.  
Leafl. West. Bot. 1: 138. N.13, 1934. no.12.

Mathias, M. E.

A new species of Leptotaenia. Leafl. West.  
Bot. 1: 101-102. My.15, 1934. no.10.  
L. bradshawii Rose.

Stacey, J. W.

Notes on Carex. I. Leafl. West. Bot. 1:  
141-142. N.13, 1934. no.12.

Wheeler, L. C.

Euphorbia on Guadalupe Island. Leafl. West.  
Bot. 1: 128. Ag.16, 1934. no.11.

Williams, L.

Notes on Rocky Mountain plants. I. Leafl.  
West. Bot. 1: 129-133. N.13, 1934. no.12.

Matières Grass. (Paris) (307.8M42)

Adriaens, L.

Contribution à l'étude chimique de quelques  
plantes oléagineuses du Congo Belge. I. Pentadesma  
butyracea Sabine. ~~Matières~~ Grass. 26: 10321-  
10323. N.15, 1934.

Medd. Norsk. Skogforsøks. (99.9N833)

Ording, A.

Orienterende pollenanalyser fra norske kyst-  
distrikter. Medd. Norske Skogforsøksv. 5: 349-  
404. illus. (incl.map) 1934. no.3(18)  
English summary.



Mem. Soc. Nat. Sci. Nat. & Math. Cherbourg (505042)

Favier, L.

Effets du froid pendant les hivers 1927-1929 et 1928-1929 sur certains végétaux introduits dans la région de Cherbourg. Mém. Soc. Nat. Sci. Nat. et Math. Cherbourg 41(V,1): 241-255. [1934?]

Frémy, P.

Cyanophycées des côtes d'Europe. Mém. Soc. Nat. Sci. Nat. et Math. Cherbourg. 41(V,1): 1-234. 66 pl. [1934?]

Mycologia (450M99)

Hahn, G. G. & Ayers, T. T.

Dasyscyphae on conifers in North America. III. Dasyscypha pini. Mycologia 26: 479-501. pl. 52-53. N./D. 1934. no.6.

Karling, J. S.

A saprophytic species of Catenaria isolated from roots of Panicum variegatum. Mycologia 26: 528-543. illus., pl.57-58. N./D. 1934. no.6.

No specific name given, "strikingly similar to C. anguillulae" when grown on artificial media.

Latham, D. H.

Life history of a Cercospora leaf spot fungus of cowpea. Mycologia 26: 516-527. illus., pl. 56. N./D. 1934. no.6.

Overholts, L. O.

Mycological notes for 1933. Mycologia 26: 502-515. illus., pl.54-55. N./D. 1934. no.6.

Corticium fenestratum, nom. nov.; Peniophora delectans and P. dissoluta n.spp.

Zeller, S. M. & Togashi, K.

The American and Japanese matsutakes. Mycologia 26: 544-558. illus. N./D. 1934. no.6. Armillaria ponderosa and A. matsutake.

Naturaliste Canad. (Quebec) (410N216)

Rousseau, J.

Essai de bibliographie botanique canadienne. (concl.). Naturaliste Canad. 61: 295-302. N. 1934. no.11.



Nature (London) (472N21)

Hopkins, J. C. F

Parasitism of *Rhizoctonia lamellifera*, Small.

Nature 134:812-813. N.24, 1934. no.3395.

*R. lamellifera* distinct from members of the *bataticola*.

Naturwissensch. (Berlin) (474N213)

Stubbe, H.

Die bedeutung der mutationen für die theoretische und angewandte genetik. Naturwissensch.

22: 781-787. illus. N.23, 1934. no.47.

Notice Centre Doc. Techn. et Econ. Plant. Méd., Arom. et Simil.

Paris (77.9F84)

Perrot, E.

Le dattier dans les Oasis des Zibans et de l'Oued Rhir (Biskra-Touggourt), Notice Centre Doc. Techn. et Econ. Plant. Méd., Arom. et Simil. no.41. 70 p. illus. Mr.1934.

Obst- u. Gemüseb. (Berlin) (80P7750)

Kromer, K.

Ueber die ernährungsorgane der gemüsepflanze and ihre leistungen. I. Die wurzel als bodenernährungsapparat. Obst- u. Gemüseb. 80: 165-169. illus. N.15, 1934. no.11.

Pacific Hop Grow. (Mt. Angel, Oreg.) (77.8P11)

Hoerner, G. R.

The use of calcium cyanamid in hop downy mildew control; in the solution of the "dormant hill" problem and as a fertilizer for hops. Pacific Hop Grow. 2(8): 4,6,7. D.1934.

Parfums France (Grasse) (308.8P21)

Duvernoy, M.

Les odeurs des champignons. Parfums France 12: 268-270. O. 1934. no.140.

Pflanzenbau (Berlin) (18P48)

Heuser, W., Boekholt, K. & Ulich, G.

Der gehalt der samen von *Lupinus albus* an eiweiss, fett und alkaloiden im vergelich zu anderen lupinenarten und unter dem einfluss äusserer bedingungen. Pflanzenbau 11: 129-138. O.1934. no.4.



Pflanzenbau (cont.)

Ullmann, W.

Die züchtung der kleeartigen futterpflanzen ausserhalb des Deutsches reiches. IV. Vereinigte Sowjetrepubliken, Türkei, Palästina, Mandschurei, Japan, Uruguay, Argentinien, Paraguay, Chile, Brasilien. Pflanzenbau 11: 156-159. O. 1934. no.4.

Philipp, Agr. (Laguna) (25P542)

Crisostomo, F. E.

Chemical analysis of some important varieties of tobacco grown in the Philippines. Philipp. Agr. 23: 516-525. N. 1934. no.6.

Phosphorsäure (57.8P562)

Schmid, K.

Untersuchungen an böden und pflanzen von erkrankten sisalbeständen in Ostafrika. Phosphorsäure 4: 676-685. illus. 1934. no.11.

Las Polski (Publ. Union Forest. Polgne) (99.8L33)

Karpinski, J. J.

Próby zastosowania nowej walki mykologicznej z pedrakiem chrabaszczka majowego (*Melolontha melolontha* L.) (Essais d'application d'une nouvelle méthode mycologique dans la butte (sic) contre les vers blancs du hanneton). Las Polski 14: 267-273. illus. S./O. 1934. no.9/10.  
French résumé: p.272-273. *Beauveria densa*.

Proc. Birmingham Nat. Hist. & Phil. Soc. (501B53)

Smith, M. M. H.

Ecological survey of the phanerogomaes of Hartlebury Common, in 1932 and 1933. Proc. Birmingham Nat. Hist. & Phil. Soc. 16: 101-129. S.1934. no.5.  
Near Stourport, Worcestershire, England.

Proc. Imp. Acad. Tokyo (513T576)

Kuroda, C. & Wada, M.

The colouring matter of "Adzuki bean". Proc. Imp. Acad. Tokyo 10: 472-474. O. 1934. no.8.

Shikata, M. & Watanabe, M.

Chemical researches on bog-moss. I. Chemical composition of *Sphagnum fimbriatum*, Wils (*Himemizogoke*)  
Proc. Imp. Acad. Tokyo 10: 470-471. O.1934. no.8.

Watanabe, K.

Entwicklung der blüte von *Mitrastemon yamamotoi*  
Proc. Imp. Acad. Tokyo 10: 503-506. illus. O. 1934. no.8.



Proc. Imp. Acad. Tokyo (cont.)

Watanabe, K.

Ueber die flüssigkeitsabsonderung der blüten  
von *Mitrastemon yamamotoi*. Proc. Imp. Acad.  
Tokyo 10: 507-508. illus. O. 1934. no.8.

Proc. K. Akad. Wetensch. Amsterdam (503Am8P)

Eijk, M. v.

Versuche über den einfluss der kochsalzgehalts  
in der nährlösung auf die entwicklung von *Salicor-  
nea herbacea* und auf die zussammensetzung der  
salze in zellinnern dieser pflanze. Proc. K.  
Akad. Wetensch. Amsterdam 37: 556-561. fold.pl.  
S. 1934. no.8.

Went, F. W.

On the pea test method for auxin, the plant  
hormone. Proc. K. Akad. Wetensch. Amsterdam  
37: 547-555. illus. S. 1934. no.8.

Repert. Spec. Nov. Fedde (Berlin) (450R29)

Burret, M.

*Goethalsia Pitt.* doch eine tiliacee, keine  
flacourtiacee. Repert. Spec. Nov. Fedde 36: 195.  
N.5, 1934. no.12/15.

Burret, M.

Die palmengattung *Desmoncus* Mart. Repert.  
Spec. Nov. Fedde 36: 197-221. N.5, 1934. no.12/15.

Görz, R.

Die gattung *Salix* in Kaukasien. Repert. Spec.  
Nov. Fedde 36(Repert. Europe. & Med. 4,19): 225-  
239. N.5, 1934. no.12/15.

Hopkinson,

*Plantae novae Sinicae. I.* Repert. Spec. Nov.  
Fedde 36: 222-224. N.5, 1934. no.12/15.

*Cistanche feddeana*, *Plumbago spinosa*, *Pod-  
phyllum hispidum*, *Epimedium rotundatum*, *Cymbaria  
linearifolia*, n.spp.

Hopkinson,

Three new species in China. Repert. Spec. Nov.  
Fedde 36: 196-197. N.5, 1934. no.12/15.

*Calligonum dielsianum*, *Acer pedunculatum*,  
*Ephedra minima*.



Repert. Spec. Nov. Fedde (cont.)

Nessel, H.

Neue lycopodien, die von allen schon bekannten arten durch ihren habitus ganz besonders abweichend und auffallend sind. Repert. Spec. Nov. Fedde 36:177-193. pl.clxx-clxxvi. N.5, 1934. no.12/15.

Species of Urostachys and Lycopodium.

Poellnitz, K.v.

Eine neue Echeveria-art. Repert. Spec. Nov. Fedde 36: 193-194. N.5, 1934. no.12/15. E. buchtienii.

Repert. Spec. Nov. Beih. (Berlin) (45OR29B)

Epling, C.

Preliminary revision of American Stachys. Repert. Spec. Nov. Beih. v.80. 75 p. N.5, 1934.

Jonas, Fr.

Die entwicklung der hochmoore am Nordhümmling. 2 band. Repert. Spec. Nov. Beih. v.78. 88 p. 24 pl. O.1, 1934.

Rev. Agr. Cuba (Habana) (8Ag88Re)

Bruner, S. C.

La enfermedad antracnosis de los mangos. Rev. Agr. Cuba 15(5): 23-25. illus. Ag.1934. Colletotrichum gloeosporioides.

Rev. de Agr. (Piracicaba) (9.2R324)

Bertoni, A.de W. & Schouten, G. B.

Fungo hyphomiceto. Fusarium riarti n.sp. Rev. de Agr. (Piracicaba) 9: 447-452. illus. S./O. 1934. no.9/10. On Citrus amara.

Rhodesia Agr. Journ. (Salisbury) (24R34)

Brain, C.K.

The weeds and poisonous plants of southern Rhodesia. I. Rhodesia Agr. Journ. 31: 779-791. illus. N.1934. no.11.

Timson, S. D.

Witchweed. Rhodesia Agr. Journ. 31: 792-801. 3 pl. N. 1934. no.11.

Rhodora (Boston) (45OR34)

Blake, S. F.

Carex divisa, Teesdalia nudicaulis and Thlaspi perfoliatum in Maryland. Rhodora 36: 412-414. D. 1934. no.432.



Rhodora (cont.)

Blake, S. F.

Two introduced grasses new to Virginia. Rhodora 36: 420. D. 1934. no.432.

*Eriochloa contracta*, *Eulalia viminea*.

Fernald, M. L.

*Agropyron trachycaulum* versus *A. pauciflorum*. Rhodora 36: 417-420. D.1934. no.432.

Goodman, G. J.

*Calopogon pulchellus* from Oklahoma. Rhodora 36: 420-421. D. 1934. no.432.

Hermann, F. J.

A new *Cardamine* from the Uinta Mountains, Utah. Rhodora 36: 409-412. pl. 322. D.1934. no.432.

*C. uintahensis*.

Jeffrey, L. & Drouet, F.

The grass flora of Columbia, Missouri. Rhodora 36: 415-417. D. 1934. no.432.

Science (470Sci2)

Gortner, R. A.

Lake vegetation as a possible source of forage. Science 80: 531-533. D.7, 1934. no.2084.

New York botanic garden recipient of bequest from will of Kenneth E. Mackenzie. Science 80: 525. D.7, 1934. no.2084.

Plant specimens and nearly 1000 drawings made by H. C. Creutzberg.

Sci. Rep. Agr. Res. Inst. Pusa (107.597R)

McRae, W.

Report of the imperial mycologist. Sci. Rep. Imp. Inst. Agr. Res. Pusa 1932/33: 134-160. 1934.

So. African Gard. (Johannesburg) (80So87)

Plants new or noteworthy. South African plants cultivated in the National botanic gardens, Kirstenbosch, and in our reader's gardens. (cont.) So. Afr. Gard. 24: 267-268. illus. N.1934. no.11.

*Aloe polyphylla* Schonland ex Pilans, *Babiana fourcadei* Lewis, n.spp.



Sovetsk. Botanika (450So8)

Janishevsky, D. E.

Iz zhizni tiul'panovvna nizhnei Volge (Sur les tulipes de la région du Volga inférieur). Sovetsk. Botanika 1934(3): 72-103. illus.

Russian.

Komarov, N. F.

Metodika izucheniia sornoï rastitel'nosti (Méthodique de l'étude de la flore des mauvaises herbes). Sovetsk. Botanika 1934(3): 110-126.

Russian.

Makarova, N. A.

Nekotorye ekologicheskie osobennosti v anatomicheskom stroenii i fiziologii u tiul'panov Iugovostoka (Quelques particularités dans la structure et physiologie des tulipes du sud-est). Sovetsk. Botanika 1934(3): 103-110. illus.

Russian.

Nogtev, V. P. & Kuklina, E. P.

Novyi pribor dlia vziatiia prob dlia issledovaniia zasorennosti pochv semenami sorniakov (Nouveau appareil pour étudier l'infection du sol par les graines de mauvaises herbes). Sovetsk. Botanika 1934(3): 157-162. illus.

Russian.

Tijdschr. Plantenz. (464.8T44)

Schreven, D. A. v.

Kalkgebrek als oorzaak van mergnecrose bij aardappelknollen. (Calcium deficiency as the cause of medullary necrosis of potato tubers). Tijdschr. Plantenz. 40: 225-255. pl.xvi-xviii. N.1934. no.11.

English summary: p.249-252.

Trans. Amer. Micros. Soc. (440.9Am33)

Transeau, E.N., Tiffany, L.H., Taft, C.E. & Li, L.C.

New species of Zygnemataceae. Trans. Amer. Micros. Soc. 53: 208-230. incl. pl.xvii-xxii. Jl. 1934.

Tropenpfl. (Berlin) (26T75)

Freise, F. W.

Brasilianische pflanzendrogen des welthandels. Tropenpfl. 37: 469-486. N. 1934. no.11.



- Trop. Agriculture West Indies (Trinidad) (26T754)  
Harland, S. C.  
Two cases of linkage in New World cottons.  
Trop. Agriculture West Indies 11: 316. D.  
1934. no.12.
- Pyke, E.E., Leonard, E.R. & Wardlaw, C.W.  
On the viability of cacao seeds after storage.  
Trop. Agriculture West Indies 11: 303-307. D.  
1934. no.12.
- Trop. Woods, Yale Univ. Sch. For. (New Haven) (99.08Y1Tr)  
Chalk, L. & Chattaway, M. M.  
Measuring the length of vessel members.  
Trop. Woods, Yale Univ. Sch. For. 40: 19-26.  
illus. D.1, 1934.
- Dugand, G. A.  
The transition forests of Atlántico, Colombia.  
Trop. Woods, Yale Univ. Sch. For. 40: 1-14. D.1,  
1934.  
Check list of common names: p.9-14.
- Kerr, T.  
Action of hydrofluoric acid in softening wood.  
Trop. Woods, Yale Univ. Sch. For. 40: 37-42.  
D.1, 1934.
- Record, S. J.  
Note on the classification of Goethalsia.  
Trop. Woods, Yale Univ. Sch. For. 40: 18. D.1,  
1934.  
Considers that it belongs to Tiliaceae and not  
to Flacourtiaceae to which family Gleason has pro-  
posed to transfer it (cf. Phytologia 1:112)
- Rendle, B. J. & Clarke, S.H.  
The diagnostic value of measurements in wood  
anatomy. Trop. Woods, Yale Univ. Sch. For. 40:  
27-37. D.1, 1934.
- Standley, P. C.  
The caobanillo tree of the Dominican Republic.  
Trop. Woods, Yale Univ. Sch. For. 40: 15-17.  
D.1, 1934.  
*Stahlia monosperma* var. *domingensis*.



Trop. Woods, Yale Univ. Sch. For. (cont.)

Standley, P. C.

A new *Coccoloba* from Colombia. Trop. Woods,  
Yale Univ. Sch. For. 40: 14-15. D.1, 1934.

*C. filipes*.

Trudy Gosud. Nikitsk. Bot. Sada (Krymgosizdat) (106Ia5Z)

Riabov, I.N. & others.

Voprosy opyleniia i plodonosheniia plodovykh  
derev'ev (Pollination and fruit of fruit trees).

pt.2. Trudy Gosud. Nikitsk. Bot. Sada. v.14,  
pt.2. 189 p. illus. 1934.

Russian with some English summaries. Deals with  
pear, plum, cherry, apple, almond, apricot  
peach & olive.

U.S. Dept. Agr. Plant Dis. Rep. (1.9P69P)

Beattie, R. K.

Dutch elm disease found at Norfolk, Virginia.

U.S. Dept. Agr. Plant Dis. Rep. 18: 191. D.1,  
1934. no.15.

Hoppe, P.E. & Holbert, J.R.

Some information on the incidence of corn ear  
rots in the 1933 crop. U.S. Dept. Agr. Plant Dis.  
Rep. 18: 186-189. D.1, 1934. no.15.

Stevens, N.E.

Keeping quality of Cape Cod cranberries of  
the 1934 crop. U.S. Dept. Agr. Plant Dis. Rep.  
18: 190. D.1, 1934. no.15.

U.S. Dept. Agr. Techn. Bull. (1Ag84Te)

Darrow, G.M. & Waldo, G.F.

Responses of strawberry varieties and species  
to duration of the daily light period. U.S. Dept.  
Agr. Techn. Bull. no.453. 31 p. illus. N.1,  
1934.

Ukrains'kii Agron. Vistnik (Rev. Agron. Ukrain.) (Lwow) (20R32)

Mazepa, I.

Do kharakteristiki tipiv travostanu na zakar-  
pats'kikh poloninakh (Zur charakteristik der wie-  
sentypen auf polenien (almen) der podkarpatska Rus)  
Ukrains'kii Agron. Vistnik (Rev. Agron. Ukrain.)  
1934: 246-261.

Ukrainian with brief German summary.



Univ. Calif. Publ. Bot. (Berkeley) (500C125B)  
Babcock, E. B.

Harvey Monroe Hall. Univ. Calif. Publ. Bot.  
17: 355-368. pl.66 (port.) 1934. no.12.

A list of the published writings of Harvey  
Monroe Hall: p.365-367.

Věda přírodní (Prague) (410V51)

Cejp, Karel

Nejnižší houby jako paraziti parazitů. Věda  
přírodní 15: 225-228. illus. 1934. no.8.

Jirásek, V.

*Poa sterilis* M. Bieb. a *Poa capillifolia*.  
Kalchbr. v Československu. Věda přírodní  
15: 205-206. 1934. no.6/7.

*P. sterilis* b.f. *macrospiculata* f.n., *p. capil-*  
*lifolia* b.f. *glaucescens* f.n.

Jirasek, V.

Zajímavá odrůda lipnice hajní (*P. nemoralis* L.)  
v Karpatech. Věda přírodní 15:207-208. illus.  
1934. no.6/7.

*Poa nemoralis* subsp. *carpatica*, subsp.nova.  
f. *typica* f.n.; f. *minoriformis* f.n.

Vict. Nat. (Melbourne) (410V66)

Goadby, M. T.

Growth of *Microtis parviflora* R.Br., from seed.  
Vict.Nat. 51: 171. N.1934. no.7.

Rupp, H. M. R.

The scented sun-orchid (*Thelymitra aristata*  
Lindl.) Discovery in northern New South Wales and  
Queensland. Vict. Nat. 51: 170-171. N.1934. no.7.

Willis, J. H.

Two remarkable fungi of the springtime. Vict.  
Nat. 51: 172-171. illus. N.1934. no.7.  
*Morchella conica*, *Gyromitra esculenta*.

Zeitschr. Zücht. A. Pflanzenzücht. (Berlin) (450Z36)

Frimmel, F. & Baranek, J.

Beitrag zur methodik der roggenzüchtung und des  
roggensaatgutbaues. Zeitschr. Zücht. A. Pflanzen-  
zücht. 20: 1-22. illus. N. 1934. no.1.



Zeitschr. Zücht. A. Pflanzenzücht. (cont.)

Löhlein, H.

Dreijährige vergleichende untersuchungen an 27 roggensorten. Ein beiträg zur sortenkunde des winterroggens. Zeitschr. Zucht. A. Pflanzenzücht. 20: 23-61. illus. N.1934. no.1.

Mudra, A.

Untersuchungen über zellsaftkonzentration beim weizen. Zeitschr. Zucht. A Pflanzenzücht. 20: 62-71. N. 1934. no.1.

Exp. Stat. Publ.

Spaeth, J. N.

A physiological study of dormancy in Tilia seed. Cornell Agr. Exp. Stat. Mem. 169. 78 p. iv pl. on 2. Je.1934 (100N48C)

Wilse, C.P. & Takahashi, M.

Napier grass (*Pennisetum purpureum*) a pasture and green fodder crop for Hawaii. Hawaii Agr. Exp. Stat. Bull. 72. 17 p. illus. Jl.1934 (Recd D.11)

State Publications.

New Jersey agricultural experiment station. Dept. of plant pathology.

Summary of our knowledge of rhododendron wilt. In its Nursery Dis. Notes 7: 18-22. N.1934. no.5.

New Books.

Good, R.

Plants and human economics. Cambridge, University press, 1933 (452.8G59)

Leningrad. Akademiia sel'skokhoziãistvennykh nauk imeni V.I. Lenina - Institut rastenievodstva

Ochnovy organizatsii i metody selektsii (Principles of the organization and methods of plant breeding) 2. v. Leningrad, 1934 (64L54)

Russian. 1. Grain crops. 2. Fruits and small fruits.

Parker, R. M.

Common Indian trees and how to know them. Delhi, 1933. (460.12P22C)



V.16, no.25, p.33.

New Books (cont.)

Rikli, M.

Marokko. In Karsten, G. Vegetationsbilder  
r.24, h.4/5. pl.19-30. 1934 (f<sup>o</sup>452.9K142)

Correction.

V.16, no.24, p.12.

The vol. no. of first article under Genetics  
should be 19.

Translations filed in Library of Bur. of Plant Industry.

Booberg, G.

Over het gebruik van gelestrepenzick plant-  
materiaal (On the use of yellow stripe diseased  
planting material). Arch. Suikerind. Nederl.  
Indië 1934(1): 319-331. My.16, 1934. no.10.

Broekhuizen, S.

Wondreactis van hout; het ontstaan van thyl-  
len en wondgom, in het bijzonder in verband met de  
iepenziekte (Wound reactions of wood. The origin  
of tyloses and wound gum especially in connection  
with the elm disease). Leiden, 1929.

Fawcett, G. L.

La impermeabilidad de las yemas de la caña  
a la solución de sal (On the impermeability  
of sugar cane buds to salt solutions). Rev.  
Industr. y Agr. Tucuman 16: 50-54. 1925.

Thung, T. H.

Smetstof en plantencel bij enkele virus-  
ziekten van de tabaksplant (On infectious ma-  
terial and the plant cell in the case of some  
virus diseases of the tobacco plants). Reprint-  
ed from Handel. Nederl.-Indisch. Natuurwetensch.  
congr. 6th, 1931, p.450-463.

Wollenweber, H.

Das ulmensterben und sein erreger, Graphium  
ulmi Schwarz. (Elm dying and its cause...)  
Zeitschr. Pilzk. 13(n.f.,8): 162-166. 1929.

Zade, A.

Neue untersuchungen über den latenten pilz-  
befall und seinen einfluss auf die kulturpflan-  
zen (New investigations on the latent attack  
of fungi and their influence upon cultivated  
plants). Fortschr. Landw. 7: 529-532. 1932.



# BOTANY

## CURRENT LITERATURE

LIBRARY RECEIVED  
★ JAN 14 1935  
U. S. Department of Agriculture

ADDITIONS TO THE BOTANICAL CATALOGUE, BUREAU OF PLANT INDUSTRY,  
COMPILED FROM PUBLICATIONS RECEIVED IN THE  
LIBRARY OF THE UNITED STATES DEPARTMENT OF AGRICULTURE, WASHINGTON, D. C.

Vol. 16, no. 26.

Dec. 17-29, 1934.

### NOTICE

This issue of Botany Current Literature is the last which will appear under that title. Beginning with January 1935 a new series will be started under the title Plant Science Literature, which will appear weekly. This new list will be sent to all addresses on the Botany Current Literature mailing list.

---

Acta Phytochim. (Tokyo) (451Ac8)

Asahina, Y.

Ueber die reaktion von flechten-thallus. Acta  
Phytochim. 8: 47-64. illus. Ag. 1934. no.1.

Asahina, Y.

Zur systematik der flechtenstoffe. Acta  
Phytochim. 8: 33-45. Ag. 1934. no.1.

Yamagata, S.

Ueber den einfluss der stickstoffquelle auf den  
gaswechsel des schimmelpilzes. Acta Phytochim.  
8: 117-155. Ag. 1934. no.1.

Beiträge zur physiologie der nitratassimilation I.  
Aspergillus oryzae.

Yamagata, S.

Ueber die elementare zusammensetzung des schim-  
melpilzkörpers. Acta Phytochim. 8: 107-116.  
Ag. 1934. no.1.

Aspergillus oryzae, A. niger, A. melleus.



Acta Phytochim. (cont.)

Yamagutchi, S.

Ueber die beeinflussung der sauerstoffatmung von verschiedenen bakterien durch blausäure und kohlenoxyd. Acta Phytochim. 8: 157-172. Ag. 1934.

Beiträge zur atmungsphysiologie der bakterien I.

Addisonia (450Ad2)

Addisonia v.18, no.4. col.pl. 601-608. O. 1934. (D.20)

Manfreda maculosa, Lycium halimifolium, Aspidistra elatior variegata, Tubiflora acuminata Geranium bicknellii, Solanum seafortianum, Epicladium boothianum, Rudbeckia speciosa.

Agric. Colon. (Firenze) (26Ag82)

Le dune demaniali di Biserta. Agric. Colon. 28: 597-602. N. 1934. no.11.

Russo, G.

Principali cause nemiche delle piantagioni di cotone nella Somalia italiana. Agric. Colon. 28: 561-572. illus. N. 1934. no.11.

Animadv. Syst. Herb. Univ. Tomsk. (451T59)

Krylov, P.N. & Sumnevich, G.

Novyi vid roda Astragalus L. iz iuzhnogo Altaia (Species nova austro-altaica generis Astragalus L.)

Animadv. Syst. Herb. Univ. Tomsk. 1933(1/2): 1-2.

Russian with Latin diagnosis (A. veresczagini)

Sergievskaja, L.

Novyi vid roda Glycyrrhiza L. iz Kazakstana (Species nova generis Glycyrrhizae L. e Kazakstania).

Animadv. Syst. Herb. Univ. Tomsk. 1933(1/2): 11.

Russian with Latin diagnosis (G. zaissanica).

Sergievskaja, L.

Novyi vid roda Oxytropis DC. iz Zabaikal'ia (Species nova generis Oxytropis DC. e Transbaicalia)

Animadv. Syst. Herb. Univ. Tomsk. 1933(1/2): 9-10. illus. (p.12)

Russian with Latin diagnosis (O. varlakovii).

Sergievskaja, L.

O nekotorykh sibirskikh vidakh roda Geranium L. (De speciebus novulis sibiricis generis geranii L.)

Animadv. Syst. Herb. Univ. Tomsk. 1934, no.1. 5 p.

Russian with Latin diagnoses. Geranium asiaticum, G. transbaicalicum with var. and forms.



Animadv. Syst. Herb. Univ. Tomsk. (cont.)

Sumnevich, G.

Novye vidy roda *Astragalus* L. iz tsentral'noi Azii  
(Species novae Asiae centralis generis *Astragalus* L.)

Animadv. Syst. Herb. Univ. Tomsk. 1933(1/2): 4-9.

Russian with Latin diagnosis (*A. balchaschensis*,  
*A. dshangartensis*, *A. duanensis*, *A. burtschumensis*,  
*A. baisensis*).

Sumnevich, G.

Novyi vid roda *Oxytropis* DC. iz iuzhnogo Altaia  
(Species nova austro-altaica generis *Oxytropis* DC)

Animadv. Syst. Herb. Univ. Tomsk. 1933(1/2): 3-4.

Russian with Latin diagnosis (*O. politovii*).

Ann. di Bot. (Roma) (450An71)

Bambacioni-Mezzetti, V.

Nuove ricerche sul geotropismo radicale: azione  
dei sali di uranio, di torio e dei raggi gamma.

Ann. di Bot. 20: 504-533. illus. Jl.31, 1934.  
no.3.

Cappelletti, C.

Ricerche sulla respirazione del legno. Ann. di  
Bot. 20: 470-503. illus. Jl.31, 1934. no.3.

Carano, E.

Un nuovo elemento della flora meridionale d'Italia:

*l'Arum nigrum* Schott var. *apulum*. Ann. di Bot.

20: 579-585. pl.xvii(col.) Jl.31, 1934. no.3.

Di Benedetto, M.

Contributo alla flora di Gubbio (Umbria).

Ann. di Bot. 20: 364-366. Jl. 31, 1934. no.3.

Dragone-Testi, G.

Esperienze sulla germinazione di embrione di  
frumento staccati della cariosside. Ann. di Bot.

20: 534-567. pl.xiii-xiv. Jl.31, 1934. no.3.

Flores, A.

Sul comportamento delle curvature geotropiche  
della radice in presenze di sali di bario, stronzio,  
rame. Ann. di Bot. 20: 412-417. Jl.31, 1934. no.3.

Experiments with *Vicia sativa*.

Lusina, G.

Le formazioni erbacee dell'isola di Veglia. I.

Ann. di Bot. 20: 418-469. Jl.31, 1934. no.3.



Animadv. Syst. Herb. Univ. Tomsk. (cont.)

Sumnevich, G.

Novye vidy roda *Astragalus* L. iz tsentral'noi Azii  
(Species novae Asiae centralis generis *Astragalus* L.)

Animadv. Syst. Herb. Univ. Tomsk. 1933(1/2): 4-9.

Russian with Latin diagnosis (*A. balchaschensis*,  
*A. dshangartensis*, *A. duanensis*, *A. burtschumensis*,  
*A. baisensis*).

Sumnevich, G.

Novyi vid roda *Oxytropis* DC. iz iuzhnogo Altaia  
(Species nova austro-altaica generis *Oxytropis* DC)

Animadv. Syst. Herb. Univ. Tomsk. 1933(1/2): 3-4.

Russian with Latin diagnosis (*O. politovii*).

Ann. di Bot. (Roma) (450An71)

Bambacioni-Mezzetti, V.

Nuove ricerche sul geotropismo radicale: azione  
dei sali di uranio, di torio e dei raggi gamma.

Ann. di Bot. 20: 504-533. illus. Jl.31, 1934.  
no.3.

Cappelletti, C.

Ricerche sulla respirazione del legno. Ann. di  
Bot. 20: 470-503. illus. Jl.31, 1934. no.3.

Carano, E.

Un nuovo elemento della flora meridionale d'Italia:

l'*Arum nigrum* Schott var. *apulum*. Ann. di Bot.

20: 579-585. pl.xvii(col.) Jl.31, 1934. no.3.

Di Benedetto, M.

Contributo alla flora di Gubbio (Umbria).

Ann. di Bot. 20: 364-366. Jl. 31, 1934. no.3.

Dragone-Testi, G.

Esperienze sulla germinazione di embrione di  
frumento staccati della cariosside. Ann. di Bot.

20: 534-567. pl.xiii-xiv. Jl.31, 1934. no.3.

Flores, A.

Sul comportamento delle curvature geotropiche  
della radice in presenze di sali di bario, stronzio,  
rame. Ann. di Bot. 20: 412-417. Jl.31, 1934. no.3.

Experiments with *Vicia sativa*.

Lusina, G.

Le formazioni erbacee dell'isola di Veglia. I.

Ann. di Bot. 20: 418-469. Jl.31, 1934. no.3.



Ann. di Bot. (cont.)

Pirovano, A.

Ortotropismo e tono chimico. Ann. di Bot.  
20: 367-383. Jl. 31, 1934. no.3.

Rabinovitz-Seroni, D.

Effetto di alcuni sali sull'attività della  
pectinasi prodotta dalla Botrytis cinerea. Ann.  
di Bot. 20: 349-363. Jl. 31, 1934. no.3.

Tirelli, M.

Influenza del contatto a terra sulla germina-  
zione del grano e del gelso. Ann. di Bot. 20:  
400-411. Jl. 1934. no.3.

Vaccaneo, R.

Le due specie beccariane di *Hydnora*: *H. johan-*  
*nis* Beccari (*H. abyssinica* A. Braun) ed *H. bogosen-*  
*sis* Beccari. Ann. di Bot. 20: 384-399. illus.,  
pl.xii. Jl.31, 1934. no.3.

Ventura, M.

Sulla poliembrionia di *Mallotus japonicus* Muell.  
Arg. Ann. di Bot. 20: 568-578. pl.xv+xvi.  
Jl.31, 1934. no.3.

Ann. Tecn. Agr. (Roma) (16An73)

Curzi, M.

Le malattie da virus delle piante. (concl.) Ann.  
Tecn. Agr. (Rome) 7: 423-442. N.1, 1934. no.4/5.

Jannone Lodispoto, G.

Studio botanico-agrario delle varietà di melo-  
grano coltivate in provincia di Bari. (cont.) Ann.  
Tecn. Agr. (Rome) 7: 471-486. pl.iv-v. N.1,  
1934. no.4/6.

Passalacqua, T.

Studi e problemi sull'Orobanche delle fave in  
Sicilia II. Ann. Tecn. Agr. (Rome) 7:487-496.  
N.1, 1934. no.4/6.

Ann. Missouri Bot. Gard. (St. Louis) (451M69)

Dodge, C. W. & Zeller, S.M.

*Hymenogaster* and related genera. Ann. Missouri  
Bot. Gard. 21: 625-703. illus., pl. N. 1934.  
no.4.

Other genera; *Reichoniella*, *Dendrogaster*,  
*Gautieria*.



Ann. Missouri Bot. Gard. (cont.)

Dodge, C. W.

Proposals for amendment of Article 20 of the International rules of nomenclature. Ann. Missouri Bot. Gard. 21: 709-712. N.1934. no.4.

Woodson, R. E. Jr.

New or otherwise noteworthy Apocynaceae of tropical America. IV. Ann. Missouri Bot. Gard. 21: 613-623. N. 1934. no.4.

Woodson, R. E. Jr.

Two new Asclepiads from Szechuan, China. Ann. Missouri Bot. Gard. 21: 609-611. N.1934. no.4.  
*Tylophora minutiflora*, *Marsdenia carnea*.

Arch. Protistenk. (Jena) (439.8Ar2)

Föyn, B.

Lebenszyklus, cytologie und sexualität der chlorophyceae *Cladophora subriana* Kützung. Arch. Protistenk. 83: 1-56. illus., 5 pl. 1934. no.1.

Föyn, B.

Lebenszyklus und sexualität der chlorophyceae *Ulva lactuca* L. Arch. Protistenk. 83: 154-177. illus. 1934. no.1.

Hämmerling, J.

Ueber die geschlechtsverhältnisse von *Acetabularia mediterranea* und *Acetabularia wettsteinii*. Arch. Protistenk. 83: 57-97. illus. 1934. no.1.

Hartmann, M.

Untersuchungen über die sexualität von *Ectocarpus siliculosus*. Arch. Protistenk. 83: 110-153. illus., tables (1 fold.) 1934. no.1.

Moewus, F.

Ueber dauermodifikationen bei chlamydomonaden. Arch. Protistenk. 83: 220-224. illus. 1934. no.1.  
*Chlamydomonas debaryana*.

Moewus, F.

Ueber subheterozie bei *Chlamydomonas eugametos*. Arch. Protistenk. 83: 98-109. 1934. no.1.



Biochem. Journ. (London) (382B52)

Gould, B. S. & Raistrick, H.

Studies in the biochemistry of micro-organisms  
XL. The crystalline pigments of species in the  
*Aspergillus glaucus* series. Biochem. Journ.  
28: 1640-1656. 1934. no.5.

Robinson, G. M. & Robinson, R.

A survey of anthocyanins. IV. Biochem.  
Journ. 28: 1712-1730. 1934. no.5.

Stockland, L. H.

Studies in the metabolism of the strict  
anaerobes (genus *Clostridium*). I. The chemical  
reactions by which *Cl. sporogenes* obtains its  
energy. Biochem. Journ. 28: 1146-1759. 1934.  
no.5.

Virtanen, A. I. & Nordlund, M.

Synthesis of sucrose in plant tissue. Biochem.  
Journ. 28: 1729-1732. 1934. no.5.

Biol. Bull. (Woods Hole, Mass.) (442.8B52)

Livingston, L. T. & Duggar, B.M.

Experimental procedures in a study of the  
location and concentration within the host cell  
of the virus of tobacco mosaic. Biol. Bull.  
67: 504-512. D. 1934. no.3.

Blumen u. Pflanzenb. Vereinigt Gartenw. (Berlin) (80G196)

Rupprecht, G.

Schwefel und schwefelverneblung gegen mehltau.  
Blumen u. Pflanzenb. Vereinigt Gartenw. 38: 613-614.  
D.7, 1934. no.49.

Bol. Min. Agr. Rep. Argentina (9E633)

Mutinelli, A.

La yerba mate Argentina, su composicion  
quimica y caracteristicas generales. Bol. Min.  
Agr. Rep. Argentina 36: 137-171. Ap./Je. 1934.  
no.2.

Bot. Gaz. (Chicago) (450B652)

Avery, G. S. jr.

Structural responses to the practice of topping  
tobacco plants: a study of cell size, cell  
number, leaf size, and veinage of leaves at dif-  
ferent levels on the stalk. Bot. Gaz. 96: 314-  
329. illus. D. 1934. no.2.



Bot. Gaz. (cont.)

Baldwin, H. I.

Effect of after-ripening treatment on germination of white pine seeds of different ages.

Bot. Gaz. 96: 372-376. D. 1934. no.2.

Bannan, M. W.

Origin and cellular character of xylem rays in gymnosperms. Bot. Gaz. 96: 260-281. illus.

D. 1934. no.2.

Benedict, H. M.

Effect of ultraviolet radiation on growth and on the calcium and phosphorus contents of plants.

Bot. Gaz. 96: 330-341. pl. ii. D. 1934. no.2.

Daughtery, L. H.

*Schilderia adamanica*: a new fossil wood from the petrified forests of Arizona. Bot. Gaz.

96: 363-366. pl.v. D. 1934. no.2.

Erlanson, E. W.

Experimental data for a revision of the North American wild roses. Bot. Gaz. 96: 197-259.

illus. D. 1934. no.2.

Ferguson, M. C. & Hunt, B.

Studies on *Petunia* VI. The origin and distribution of color in the anther and in the pollen of *Petunia*.

Bot. Gaz. 96: 342-352. pl.iii. D.1934. no.2.

Kaufmann, F. H. O.

Studies on the germination of the spores of certain Basidiomycetae. Bot. Gaz. 96: 282-297.

D. 1934. no.2.

Sax, K. & Humphrey, L. M.

Structure of meiotic chromosomes in microsporogenesis of *Tradescantia*. Bot. Gaz. 96: 353-

362. pl.iv. D. 1934. no.2.

Turner, L. M.

Anatomy of aerial roots of *Vitis rotundifolia*. Bot. Gaz. 96: 367-371. illus. D. 1934. no.2.

Voth, P. D.

A study of the vegetative phases of *Ephedra*. Bot. Gaz. 96: 298-313. illus. D. 1934. no.2.



Broteria Cienc. Nat. (Lisboa) (410B79C)

Rick, J.

Monographia thelephoracearum resupinatarum  
riograndensium. (concl.) Broteria Cienc. Nat.  
3: 151-173. N.1, 1934. no.4.

Rick, J.

Polypori riograndenses. I. Mesopodes aut  
pleuropodes. Broteria Cienc. Nat. 3: 180-  
189. N.1, 1934. no.4.

Pau, C.

Una visita a Mallorca II. Broteria Cienc. Nat.  
3:174-179. N.1, 1934. no.3.

Bull. Agence Econ. Colon. France. (Paris) (260C71B)

Grébert, R.

Les forêts de la Guadeloupe. Bull. Agence  
Econ. Colon. France 27: 639-702, 765-875. My.,  
Je. 1934. no.302, 303.

Louis, X. & Monod, T.

Notes botaniques sur la région nord de la sub-  
division d'Ati (Colonie du Tchad). Bull. Agence  
Econ. Colon. France 27: 593-737. plate. My.  
1934. no.302.

Bull. Inst. Agron. Stat. Rech. Gembloux (105.1G285)

Mañil, P.

Note sur les nécroses foliaires du tabac,  
dans les cultures de la vallée de la Semois,  
en 1934. Bull. Inst. Agron. Stat. Rech. Gem-  
bloux 3: 367-377. N. 1934. no.4.

Brief English summary: p.377.

Bull. Pop. Inform. Arnold Arb. (99.9Ar6B)

Arnold arboretum.

Winter hardiness of trees and shrubs growing  
in the Arnold arboretum. (concl.) Bull. Pop.  
Inform. Arnold Arb. IV, 2: 53-60. illus. D.11,  
1934. no.11.

Bull. Soc. Nat. Acclim. France (Paris) (410.9P21)

Scey-Montbéliard de Brun

Utilisation de l'Achyranthes aspera en Ethiopie.  
Histoire d'une plante tropicale et d'un gentil-  
homme breton [Marquis de la Guibougère] Bull.  
Soc. Nat. Acclim. France 81: 377-383. S.1934.  
no.9.



Bull. Soc. Sci. Nat. Maroc (Rabat) (515Sol)

Frémy, P. & Buroillet, P. A.

*Fugillus algarum maroccanarum*. Bull. Soc. Sci. Nat. Maroc 14: 156-158. Je.30, 1934. no.4/6.

Maire, R.

La végétation des montagnes des Glaoua.

Bull. Soc. Sci. Nat. Maroc 14: 140-146. Je.30, 1934. no.4/6.

Atlas Mts., Algeria.

Werner, R. G.

Contribution à la flore cryptogamique du Maroc. fasc. X. Lichenes et algae. Bull. Soc. Sci. Nat. Maroc 14: 147-155. Je.30, 1934. no.4/6.

Cactus & Succ. Journ. (Los Angeles) (451C11)

Baxter, E. M.

California cacti. XVII. *Bergerocactus emoryi*, Cactus & Succ. Journ. 6: 83-84. illus. D.1934. no.6.

Lahman, M. S.

Notes on Oklahoma cacti. III. The *Coryphanthas*. Cactus & Succ. Journ. 6: 90-91. illus. D.1934. no.6.

Poindexter, R. W.

New garden species V. Cactus & Succ. Journ. 6: 92-93. illus. D. 1934. no.6.

Canad. Field Nat. (Ottawa) (410.90t80)

Hempsey, H. C.

A rare lily found on the Island of Montreal.

Canad. Field Nat. 48: 145. D. 1934. no.9.

*Butomus umbellatus*.

Raymond, M.

Additional notes on the flora of Quebec.

Canad. Field Nat. 48: 138-139. D. 1934. no.9.

Cereal Chem. (59.8033)

Whiteside, A. G. C., Edgar, J. & Goulden, C. H.

The influence of environment on the carotenoid content of hard red spring wheat. Cereal Chem. 11: 615-625. illus. W. 1934. no.6.



Cereal Chem. (cont.)

Whymer, R. & Bradley, A.

Studies on the vitality of wheat. III. Vitality and the action of heat on wheat seeds. Cereal Chem. 11: 625-636. N. 1934. no.6.

Circ. Estac. Exp. Agr. La Molina (Lima) (102.5L622)  
Garcia Rada, G.

Tres enfermedades del manzano. Circ. Estac. Exp. Agr. La Molina no.25. 21 p. illus. Ag. 1934.

Physalospora cydoniae, P. malorum, Sphaeropsis malorum.

Compt. Rend. Acad. Agr. France (Paris) (14P215Bc)  
Lesage, P.

L'hérédité de la précocité acquise en 1934. Compt. Rend. Acad. Agr. France 20: 1033-1037. D.5, 1934. no.31.

Experiments with cress and peas.

Compt. Rend. Acad. Sci. Paris (505P21)

Bertrand, G. & Ghitescu, V.

Sur la composition élémentaire de quelques plantes cultivées. Compt. Rend. Acad. Sci. Paris 199: 1269-1273. D.3, 1934. no.23.

Experiments with Brassica napa var. oleifera, Medicago sativa, Polygonum fagopyrum, Avena sativa.

Bonnet, R. & Jacquot, R.

Influence des antioxygènes, du bleu de méthylène et du dinitrophénol sur la croissance, la composition et le rendement énergétique du Sterigmatocystis nigra. Compt. Rend. Acad. Sci. Paris 199: 1334-1336. D.3, 1934. no.23.

Chabanier, E.

Sur le pH limite de la croissance des végétaux dans les régions de steppes. Compt. Rend. Acad. Sci. Paris 199: 1332-1334. D.3, 1934. no.23.

Steppes of Argentine and Chile.

Costantin, J. & Miège, E.

La conservation en cave des tubercules de pomme de terre dans l'Atlas marocain et ses effets. Compt. Rend. Acad. Sci. Paris 199: 1265-1269. D.3, 1934. no.23.



Compt. Rend. Acad. Sci. Paris (cont.)

Dangeard, P.

Sur la structure et l'évolution des noyaux à chromocentres. Compt. Rend. Acad. Sci. Paris 199: 1444-1446. D. 1934. no.24.

In *Lathraea clandestina*.

Daniel, L.

Sur un cas de croisement fortuit de haricot. Compt. Rend. Acad. Sci. Paris. 199: 1170-1172. N.26, 1934. no.22.

Jaeger, P.

Nouveaux cas de gynodimorphisme chez les dip-sacées. Compt. Rend. Acad. Sci. Paris. 199: 1239-1241. N.26, 1934. no.22.

Compt. Rend. Soc. Biol. Paris (442.9P21)

Allain, A.

Cytologie de l'oeuf du *Phytophthora cambivora*. Compt. Rend. Soc. Biol. Paris 117: 778-780. illus. 1934. no.34.

Auger, A.

Courant d'action rythmique provoqué par le courant constant chez les characées. Compt. Rend. Soc. Biol. Paris 117: 685-688. 1934. no.33.

*Chara vulgaris*.

Eichhorn, A. & Franquet, R.

Sur le noyau du *Musa ensete* et sa division. Compt. Rend. Soc. Biol. Paris 117: 653-656. 1934. no.33.

Conçalves da Cunha, A. & Bensaude, M.

Sur l'existence d'une pythiacée sur le riz au Portugal. Compt. Rend. Soc. Biol. Paris 117: 733-734. 1934. no.33.

Quintanilha, A.

La descendance des copulations illégitimes chez les Lyménomycètes. Compt. Rend. Soc. Biol. Paris 117: 737-739. 1934. no.33.

Quintanilha, A.

Sur le pouvoir geminatif des spores de *Coprinus*. Compt. Rend. Soc. Biol. Paris 117: 739-741. 1934. no.33.

*C. fimetarius*.



Compt. Rend. Soc. Biol. Paris (cont.)

Rothlin, E. & Hamet, R.

Effets vasculaires de la sempervirine,  
alcaloïde sans oxygène du *Gelsemium sempervirens*  
Ait. Compt. Rend. Soc. Biol. Paris 117:  
754-756. 1934. no.34.

Skalinska, M.

Développement sélectif de types dans la  
descendance d'un hybride triploïde d'*Aquilegia*.  
Compt. Rend. Soc. Biol. Paris 117: 785-788.  
1934. no.34.

Contr. Boyce Thomp. Inst. Plant Res. (451B69)

Farr, W. K.

Cotton fibers. IV. Fiber abnormalities and  
density of the fiber mass within the boll.  
Contr. Boyce Thomp. Inst. Plant Res. 6: 471-478.  
O./D. 1934. no.4.

McCallan, S. E. A. & Wilcoxon, F.

Fungicidal action and the periodic system of the  
elements. Contr. Boyce Thomp. Inst. Plant Res. 6:  
479-500. illus. O./D. 1934. no.4.

Zimmerman, P. W. & Crocker, W.

Toxicity of air containing sulphur dioxide gas.  
Contr. Boyce Thomps. Inst. Plant Res. 6: 455-470.  
illus. O./D. 1934. no.4.

Current Science (Bangalore) (475Sci23)

Afzal, M.

A peculiar cotton plant. Current Science 3:  
206. N. 1934. no.5.

Mollisoni cotton (*G. indicum* var. *mollisoni*, Gammie)

Biswas, K.

Observations on some plant abnormalities in  
Bengal. Current Science 3: 189-193. illus.  
N. 1934. no.5.

Kashyap, S. R. & Mehra, P. N.

Dichotomous branching in the leaves of *Pleo-*  
*peltis simplex* Sw. Current Science 3: 203-205.  
illus. N. 1934. no.5.

Mitra, A.

Apple rot caused by *Fusarium moniliforme* Sheldon.  
Current Science 3: 202-203. illus. N.1934. no.5.



Current Science (cont.)

Seshagiriah, K. N.

Pollen sterility in *Zeuxine sulcata* (Lindley)

Current Science 3: 205-206. illus. N.1934.  
no.5.

..Sreenivasan, A.

The rôle of silicon in plant nutrition.

Current Science 3: 193-197. N. 1934. no.5.

Deut. Landw. Presse (Berlin) (18D482)

Hoffmann,

Bekämpfung der fusskrankheiten des weizens. 2.

Die lagerfusskrankheit. Deut. Landw. Presse 61:  
582. N.24, 1934. no.47.

Husemann, C.

Zur bekämpfung der kornblume (*Centaurea cyanus*)  
und des windhalms (*Apera spica venti*) in winter-  
roggen. Deut. Landw. Presse 61: 579, 591.

N.24, D.1, 1934. no.47,48.

Rademacher, B.

Krankheitsbild und verhalten der verschiedenen  
kulturpflanzen auf urbarmachungskranken böden.

Deut. Landw. Presse 61: 581,593. illus. N.24,  
D.1, 1934. no.47,48.

Econ. y Técn. Agr. (Spain) (Madrid) (15Ec7)

Alvarez-Laviada, M.

Le esterilidad en las plantas frutales. Econ.

y Técn. Agr. (Spain) 3: 446-448. illus. S./O. 1934.  
no.29/30.

Ernähr. Pflanze (Berlin) (57.8Er6)

Merkenschlager, F.

Die konstitution des hofpens. Ernähr. Pflanze

30: 393-399. illus. D.1, 1934. no.23.

Estate Mag. (10Es8)

Eradication of couch. Estate Mag. 34: 924-925.

D. 1934. no.12.

Report of experiments conducted by H.H. Corner,  
at Greenknow, with sodium chlorate.

Farming So. Africa (Pretoria) (24So842)

Du Plessis, S. J.

Botrytis rot of grapes and its control during

1933-34- [2] Farming So. Africa 9: 439-442.

N.1934. no.104.



Farming So. Africa (cont.)

Marloth, R. H.

The litchi. Farming So. Africa 9: 423-425,  
438. illus. N. 1934. no.104.

Reyneke, J.

Bitterpit of apples. Farming So. Africa 9:  
448-451. illus. N. 1934. no.104.

Flor. Exch. (N.Y.) (80F666)

Linz, C. L.

Elm disease fight to go on. Flor. Exch.  
83(24): 29. D.15, 1934.

Washington conference and new P.W.A. funds  
strengthen hope of eradication.

Flor. Rev. (Chicago) (80W41)

Massey, L. M.

Control of chrysanthemum diseases described  
in detail. Flor. Rev. 75(1933): 15-18. illus.  
D.13, 1934.

For. Leaves (99.8F763)

Cope, T. M. & Hawkins, A. S.

A preliminary survey of the flora and fauna of  
the east Tionesta virgin forest, Pennsylvania.

For. Leaves 24: 23-27. Apr./Oct.1934. no.2/4.

In Warren and McKean counties.

Fruit Flower & Veg. Trades Journ. (London) (80F946)

Mushroom culture. An instructive lecture by an  
American expert. [O.E. Gahn]. Fruit Flower &  
Veg. Trades Journ. 66: 790-791. D.8, 1934.  
no.23.

Gard. Chron. (London) (80G162)

Dr. N.E. Brown. Gard. Chron. III,96: 417.  
D.8, 1934. no.2502.

Notice of death on Nov.25, 1934.

Grey, C. H.

*Belaemanda flabellata*, Grey, sp.nov. Gard.  
Chron. III,96: 408. D.8, 1934. no.2502.

Grove, A.

Fruits of lilies VI. Gard. Chron. III,96: 407.  
illus. D.8, 1934. no.2502.



Gard. Chron. (cont.)

Redgrove, H. S.

Wild flower preservation. Gard. Chron. III,  
96: 390-391. D.1, 1934. no.2501.

Ward, F. K.

Mr. F. Kingdon Ward's twelfth expedition in Asia.  
IX. On the great snow range. Gard. Chron. III,  
96: 390-391. illus. D.1, 1934. no.2501.

Gartn.-Tid. (København) (80G192)

Buchwald, N. F.

Løvmundrust (*Puccinia antirrhini*) en ny  
svampesygdom i Danmark. Gartn.-Tid. 50: 656-  
657. D.11, 1934. no.50.

Hoppe-Seyl. Zeitschr. Phys. Chem. (Berlin)(384Z38)

Kiesel, A. & Schipitzina, G.

Untersuchungen über pflanzliche fortpflanzungs-  
zellen. IV. Beitrag zur kenntnis der chemischen bestand-  
teile der sporen von *Aspidium filix mas*. Hoppe-  
Seyl. Zeitschr. Phys. Chem. 229: 159. N.23, 1934.  
no.4/6.

Kiesel, A. & Belozersky, A.

Untersuchungen über protoplasma. V. Ueber die  
nucleinsäure und die nucleoproteide der erbsenkeime.  
Hoppe-Seyl. Zeitschr. Phys. Chem. 229: 160-166.  
N.23, 1934. no.4/6.

Indian Journ. Agr. Sci. (Calcutta) (22Ag831)

Dave, B. B.

Inheritance of characters in *Cajanus indicus*.  
Indian Journ. Agr. Sci. 4: 674-691. pl.xliii-  
xlvi (3 col.) Ag.1934. no.4.

Kheswalla, K. F.

Stem rot of tobacco caused by *Sclerotinia*  
*sclerotiorum* (Lib.) De Bary. Indian Journ. Agr.  
Sci. 4: 663-673. pl.xxxix-xlii. Ag. 1934. no.4.

McRae, W.

Foot-rot diseases of *Piper betle* L. in Bengal.  
Indian Journ. Agr. Sci. 4: 585-617. Ag. 1934. no.4.

Mitra, M.

A leaf spot disease of wheat caused by *Helmin-*  
*thosporium tritici-repentis* Died. Indian Journ.  
Agr. Sci. 4: 692-700. illus. Ag.1934. no.4.



Indian Journ. Agr. Sci. (cont.)

Mitra, M.

Wilt disease of *Crotalaria juncea* Linn. (sann-  
hemp). Indian Journ. Agr. Sci. 4: 701-714.  
Ag. 1934. no.4.

Mundkur, B. B.

Perfect stage of *Sclerotium rolfsii* Sacc. in  
culture. Indian Journ. Agr. Sci. 4: 779-781.  
pl.liv. Ag. 1934. no.4.

Preliminary announcement. Agrees with the descrip-  
tion of *Corticium rolfsii* and is tentatively placed in  
that species.

Mundkur, B. B.

A *Sclerotinia*-rot of *Hibiscus sabdariffa* Linn.  
Indian Journ. Agr. Sci. 4: 758-778. pl.li-liii.  
(1 col.) Ag. 1934. no.4.

Ram, K., Chetty, C. V. S.

The classification of the rices of Bihar and  
Orissa. Indian Journ. Agr. Sci. 4: 618-641.  
Ag. 1934. no.4.

Ram, K. & Chetty, C. V. S.

The development of pigments in the glumes and  
apiculus of rice varieties. Indian Journ. Agr. Sci.  
4: 642-655. pl. xxxvii-xxxviii. Ag. 1934. no.4.

Uppal, B. N.

The adsorption and elution of cucumber mosaic  
virus. Indian Journ. Agr. Sci. 4: 656-662.  
Ag. 1934. no.4.

Ital. Agr. (Milan) (16I61)

Goidanich, G.

La moria degli aceri. Ital. Agr. 71: 1043-  
1055. illus. N. 1934. no.11.

*Verticillium alboatrum*.

Manaresi, A. & Lanzoni, D.

Influenza dell'andamento della stagione  
sull'allegagione e sulla cascola dei frutti del  
pesco. Ital. Agr. 71: 1002-1008. N. 1934. no.11.

Morettini, A.

La fecondazione nel pesco. Ital. Agr. 71:  
1009-1027. illus. N. 1934. no.11.

Olivieri, O.

Sulla colatura fiorale della "ciminnita".  
Ital. Agr. 71: 1038-1042. illus. N.1934. no.11.



Jahrb. Wiss. Bot. (Leipzig) (450P93J)

Lorbeer, G.

Die zytologie der lebermoose mit besonderer  
berücksichtigung allgemeiner chromosomenfragen.

I. Jahrb. Wiss. Bot. 80: 567-817. illus.,  
pl. 1934. no.4/5.

Zehetner, H.

Untersuchungen über die alkoholpermeabilität  
des protoplasmas. Jahrb. Wiss. Bot. 80: 505-  
566. 1934. no.4/5.

Journ. Amer. Chem. Soc. (381Am33J)

Hill, G. A., Mattacotti, V. & Graham, W. D.

The toxic principle of the poison ivy. Journ.  
Amer. Chem. Soc. 56: 2736-2738. D.1934. no.12.  
Urushiol.

Waksman, S. A. & Allen, M. C.

Decomposition of polyuronides by fungi and bac-  
teria. II. Decomposition of alginic acid by bacteria  
and formation of the enzyme alginase. Journ. Amer.  
Chem. Soc. 56: 2701-2705. D.1934. no.12.

Journ. Bacteriol. (Baltimore) (448.3J82)

Hendrickson, A.A., Baldwin, I.L. & Riker, A.J.

Studies on certain physiological characters  
of *Phytomonas tumefaciens*, *Phytomonas rhizogenes*  
and *Bacillus radiobacter*. II. Journ. Bacteriol.  
28: 597-618. D. 1934. no.6.

Sagen, H. E., Riker, A.J. & Baldwin, I. L.

Studies on certain physiological characters of  
*Phytomonas tumefaciens*, *Phytomonas rhizogenes*,  
and *Bacillus radiobacter*. I. Journ. Bacteriol.  
28: 571-595. D. 1934. no.6.

Virtanen, A.

On the enzymes of bacteria and bacterial metabolism.  
Journ. Bacteriol. 28: 447-460. N. 1934. no.5.

Journ. Biol. Chem. (Baltimore) (381J824)

Marks, G. W.

Proportionality studies on catalase.  
Journ. Biol. Chem. 107: 623-627. D.1934. no.3.  
Experiments with *Amphiroa aspergillum* f.  
*nana*, *Corallina officinalis*, *Pikea californica*.



- Journ. Counc. Sci. & Industr. Res. Austral. (514Au72J) (Melbourne)  
Carne, W. M. & Martin, D.  
Apple investigations in Tasmania: miscellaneous notes. Journ. Counc. Sci. & Industr. Res. Austral. 7: 203-214. N. 1934. no.4.  
1. The virus theory of bitter pit. 2. Crinkle in apples. 3. Water-core breakdown. 4. The correlation of refractive index and freezing point depression.
- Dadswell, H. E. & Langlands, I.  
Brittle heart in Australian timbers: a preliminary study. Journ. Counc. Sci. & Industr. Res. Austral. 7: 190-196. N. 1934. no.4.  
Fungal hyphae present, undetermined in Eucalyptus.
- Journ. Econ. Entom. (Geneva, N.Y.) (421J822)  
Bartlett, K. A. & Lefebvre, C. L.  
Field experiments with *Beauveria bassiana* (Bals.) Vuill., a fungus attacking the European corn borer. Journ. Econ. Entom. 27: 1147-1157. D. 1934. no.6.
- Haseman, L. & Ezell, H. O.  
The eelworm *Rhabditis lambda*, a new pest of mushrooms. Journ. Econ. Entom. 27: 1189-1191. D. 1934. no.6.
- Journ. Elisha Mitchell Sci. Soc. (Chapel Hill, N.C.) (500E14)  
Lander, C.  
The development of the fruiting body of *Arachnion album*. Journ. Elisha Mitchell Sci. Soc. 50: 275-282. pl.23-26. D.1934. no.1/2.
- Smith, B. E.  
A taxonomic and morphological study of the genus *Cuscuta*, dodders, in North Carolina. Journ. Elisha Mitchell Sci. Soc. 50: 283-302. pl.27-31. D.1934. no.1/2.
- Thiel, A. F.  
Anatomy of the transition region of *Helianthus annuus*. Journ. Elisha Mitchell Sci. Soc. 50: 268-274. pl.18-22. D. 1934. no.1/2.



Journ. For. Suisse (Berne) (99.8J82)

Badoux, E.

La rouille corticole du pin sylvestre à Engelberg. Journ. For. Suisse 85: 269-273. pl. D. 1934. no.12.

Journ. Indian Bot. Soc. (Madras) (450J821)

Joshi, A. C. & Venkata Rao, C.

A contribution to the anatomy, morphology and cytology of the flower of *Digera arvensis* Forsk. Journ. Indian Bot. Soc. 13: 201-236. illus., iv.pl. S. 1934. no.3.

Joshi, A. C.

Some abnormal flowers of *Helianthus annuus* L. Journ. Indian Bot. Soc. 13: 237-239. illus. S. 1934. no.3.

Joshi, A. C.

Some peculiar cones of *Zamia*. Journ. Indian Bot. Soc. 13:241-242. pl. S. 1934. no.3.

Saran, A. B.

On some anatomical deformities in the root-tissue of *Hibiscus esculentus* Linn. brought about by the infection of eelworms and their bearing on the growth of the plant. Journ. Indian Bot. Soc. 13: 197-199. pl. S.1934. no.3.

Sud, S. R.

A preliminary note on the study of *Azolla pinnata*, R.Br. Journ. Indian Bot. Soc. 13: 189-196. illus., pl. S.1934. no.3.

Journ. Minn. Agr. Gt. Brit. (10G79J)

Beet sickness present in England. Journ. Min. Agr. Gt. Brit. 41: 825-827. D.1934. no.9.

Communication from F.R. Petherbridge, School of agriculture, Cambridge.

Petherbridge, G. H.

Marsh spot in pea suds. Journ. Min. Agr. Gt. Brit. 41: 833-849. 4 pl. on 2. D. 1934. no.9.

Journ. Washington Acad. Sci. (500W276J)

McClure, F. A.

The inflorescence in *Schizostachyum* Nees. Journ. Washington Acad. Sci. 24: 541-548. D.15, 1934. no.12.



Journ. Washington Acad. Sci. (cont.)

Maxon, W. R.

Pleuroderris, a new genus of Middle American ferns.

Journ. Washington Acad. Sci. 24: 549-557.

illus. D.15, 1934. no.12.

*P. michleriana* (Lindsaea).

Kakteenk. Deut. Kakteen-Ges. (451D482)

Bödeker, F.

Ueber *Neomammillaria confusa* Br. & Rose und  
*Mammillaria pyrrhocephala* Schiedw. Kakteenk.

Deut. Kakteen-Ges. 1934: 232-233. illus.

D. 1934. no.12.

Roeder, W. v.

Rote kakteenblüten in der photographie.

Kakteenk. Deut. Kakteen-Ges. 1934: 229-231.

illus. D. 1934. no.12.

Landbouwk. Tijdschr. Wageningen (105.20r3)

Hoek, S. v.

Enige waarnemingen omtrent jarowisatie.

Landbouwk. Tijdschr. Wageningen 46: 809-814.

D. 1934. no.567.

Experiments with wheat.

Landw. Jahrb. Schweiz (Bern) (17L23)

Faes, H.

Rapport annuel 1933. Station fédérale d'essais  
viticoles à Lausanne et domaine de Pully. Landw.

Jahrb. Schweiz. 48: 919-925. 1934. no.8.

Includes notes on plant diseases.

Lauksaimn. Menešr. (Riga) (20L362)

Eglits, H.

Limu slimības un linsēklu kodināšanas mēģinā-  
jumi 1929.-1932. g. (Les maladies du lin et essais

de traitement anticryptogamiques des semences de  
1929 à 1932.) Lauksaimn. Menešr. 1934: 561-

577. N.1934. no.11.

French summary: p.582-583.

Malayan Agr. Journ. (Malaya Lumpur) (22.5F312)

Jago, R. B.

Notes on the oil palm in Malaya with special  
references to floral morphology. Malayan Agr.

Journ. 22: 541-549. N.1934. no.11.



- Möller's Deut. Gärtn.-Zeit. (Erfurt) (80M73)  
Lamken, A.  
Was ist Rhododendron alstroemeroides?  
Möller's Deut. Gärtn.-Zeit. 49: 374. N.21,  
1934. no.32.
- Nachrichtenbl. Deut. Pflanzenschutzd. (Berlin) (464.9N11)  
Pape, H.  
Löwenmaulrost (*Puccinia antirrhini* Diet. et  
Holw.) eine für Deutschland neue krankheit an  
gartenlöwenmaul (*Antirrhinum majus* L.) Nach-  
richtenbl. Deut. Pflanzenschutzd. 14: 113-115.  
illus. D.1934. no.12.
- Nature (London) (472N21)  
Hall, A. D.  
Longevity of seeds. Nature 134: 932-933.  
D.15, 1934. no.3398.
- McLean, R. C. & Evans, M.  
The Mäule reaction and the systematic position  
of the Gnetales. Nature 134: 936-937. D.15,  
1934. no.3398.
- Salaman, R. N. & O'Connor, C.  
A new potato epidemic in Great Britain. Nature  
134: 932. illus. D.15, 1934. no.3398.  
*Alternaria solani*.
- Semmens, E. S.  
Bursting of cell by polarised sunlight.  
Nature 134: 813. illus. N.24, 1934. no.3395.  
Experiments with hyacinth.
- Naturwissensch. (Berlin) (474N213)  
Gruber, F.  
Die züchtung von beerenobst. Naturwissensch.  
22: 819-821. D.7, 1934. no.49.
- Neueh. Geb. Pflanzensch. (Wien) (464.9V672)  
Beran, F.  
Zur auswertung chemischer pflanzenanalysen  
für die beurteilung von rauchschäden. Neueh.  
Geb. Pflanzensch. 27: 139-140. D.1934. no.6.
- New Zeal. Journ. Agr. (Wellington) (23N48J)  
Chamberlain, E. E.  
Narrow-leaf - a virus disease of tomatoes.  
New Zeal. Journ. Agr. 49: 257-263. illus.  
N.20, 1934. no.5.  
Preliminary investigations.



Ohio Journ. Sci. (Columbus) (4100h3)

Camp, W. H.

Notes on certain Ohio oaks. Ohio Journ.  
Sci. 34: 421-422. N.1934. no.6.  
Corrections in nomenclature.

Liming, F. G.

A preliminary study of the lengths of the  
open vessels in the branches of the American elm.  
Ohio Journ. Sci. 34: 415-419. N.1934. no.6.

Transeau, E. N.

Notes on Zygnemataceae. Ohio Journ. Sci.  
34: 420. N.1934. no.6.

Orchidee (Bandoeng) (800r18)

Schmidt, K.

Een succesvolle orchideeënjacht in de Philip-  
pijnen. V. Orchidee (Bandoeng) 3: 295-297.  
N. 1934. no.11.

Pamphl. Counc. Sci. Industr. Res. Australia. (514Au72P)

Australia-Council for scientific and industrial  
research. Poison plants committee.

Some important poison plants of North Australia.  
Pamphl. Counc. Sci. Industr. Res. Australia no.49.  
44 p. illus. 1934.

Pflanzenbau (Berlin) (18P48)

Kar, J.

Regelung des wasserhaushaltes in vegetations-  
gefäßen. Pflanzenbau 11: 187-196. illus.  
N.1934. no.5.

Ullmann, W.

Die züchtung der kleeartigen futterpflanzen  
ausserhalb des Deutschen reiches. IV. Vereinigte Sowjet-  
republiken, Türkei, Palästina, Mandschurei, Japan, Uru-  
guay, Argentinien, Paraguay, Chile, Brasilien. (schluss)  
Pflanzenbau 11: 196-206. N.1934. no.5.

Philipp. Journ. Sci. (Manila) (475P53)

Juliano, J.B.

Origin of embryos in the strawberry mango.  
Philipp. Journ. Sci. 54: 553-559. 3 pl. Ag.1934.  
no.4.



Proc. K. Akad. Wetensch. Amsterdam (503Am8P)

Bakker, H. A.

Notes on the colloid chemistry of chlorophyll.  
Proc. K. Akad. Wetensch. Amsterdam 37: 688-694.  
N. 1934. no.9.

Bakker, H. A.

Purification of chlorophyll. Proc. K. Akad.  
Wetensch. Amsterdam 37: 679-684. N.1934. no.9.

Blaauw, A. H.

De grenzen der bloeibaarheid bij bol-irissen  
(Des limites de l'aptitude à former fleurs chez  
les Iris bulbeux). 1. ptie. Proc. K. Akad.  
Wetensch. Amsterdam 37: 632-643. N.1934. no.9.  
French summary: p.642-643.

Hubert, B.

Estimation of the band position of chlorophyll in  
different media. Proc. K. Akad. Wetensch. Amsterdam  
37: 694-699. N.1934. no.9.

Hubert, B.

On the photodecomposition of chlorophyll. Proc.  
K. Akad. Wetensch. Amsterdam 37: 684-688. N.1934.  
no.9.

Roelofsen, P. A.

On the metabolism of the purple sulphur bacteria.  
Proc. K. Akad. Wetensch. Amsterdam 37: 660-669.  
N.1934. no.9.

Schure, P. S. J.

On a damaging action of substances dissolved  
from glass in single-cell cultures. Proc. K. Akad.  
Wetensch. Amsterdam 37: 669-674. N.1934. no.9.  
Discovery made in effort to obtain pure cultures  
of Reticularia lycoperdon; damaging substance  
probably silica.

Proc. Roy. Soc. Ser. B. (London) (501L84B)

Bawden, F. C.

Studies on a virus causing foliar necrosis of  
the potato. Proc. Roy. Soc. Ser. B 116: 375-  
395. pl.21-22. D.1, 1934. no.799.

Protoplasma (Leipzig) (442.8p94)

Belitzer, W. A.

Ueber die beeinflussung der selbstgärung der  
hefezellen. Protoplasma 22: 17-21. S.1934.  
no.1.



Protoplasma (cont.)

Bonte, H.

Vergleichende permeabilitätsstudien an pflanzenzellen. Protoplasma 22: 209-242. illus., pl.v. O. 1934. no.2.

Experiments with *Hookeria lucens*, *Hydrodictyon utriculatum* and *Basidiobolus ranarum*.

Cholnoky, B. V.

Plasmolyse und lebensfärbung bei *Melosira*. Protoplasma 22: 161-192. illus. O. 1934. no.2.

Iljin, W. S.

Die veränderung des turgors der pflanzenzellen als ursache ihres todes. Protoplasma 22: 299-311. O. 1934. no.2.

Jírovec, O. & Vácha, K.

Photodynamische erscheinungen an grünen und farblosen stämmen von *Euglena gracilis*. Protoplasma 22: 203-208. O. 1934. no.2.

Menke, W.

Chloroplasten-studien. 2. Protoplasma 22: 56-62. illus. S. 1934. no.1.

Pfeiffer, H.

Vom lichtbrechungsverhalten von *Tradescantia*-zellen vor und während der karyokinese. Protoplasma 22: 22-33. illus. S. 1934. no.1.

Umrath, K.

Ueber den erregungsvorgang bei *Spirogyra* und *Vaucheria* und über potentialmessungen an pflanzenzellen. Protoplasma 22: 193-202. illus. O. 1934. no.2.

Weber, F.

Vakuolen-konktration der borraginaceen-blütenzellen als synärese. Protoplasma 22: 4-16. illus. S. 1934. no.1.

Welsch, H.

Sur la distribution de l'eau, de la matiere seche et de l'azote au cours de la germination chez *Impatiens balsamina* (L.) Protoplasma 22: 63-127. S. 1934. no.1.



- Quart. Rev. Biol. (Baltimore) (442.8Q2)  
Burkholder, P. R.  
Movement in the Cyanophyceae. Quart. Rev.  
Biol. 9: 438-459. illus. D.1934. no.4.
- Oliver, C. P.  
Radiation genetics. Quart. Rev. Biol.  
9: 381-408. D. 1934. no.4.
- Queensl. Agr. Journ. (Brisbane) (23Q33)  
Mandelson, L. F.  
The importance of tobacco mosaic. Queensl.  
Agr. Journ. 42: 538-545. illus. N.1, 1934. no.5.
- White, C. T.  
Queensland weeds. Khaki weed (*Alternanthera  
repens*). Queensl. Agr. Journ. 42: 583-584.  
illus. N.1, 1934. no.5.
- Rev. Agr. Nouvelle-Calédonie (25N43)  
Jacques, Ch.  
Le *Cercospora* en Nouvelle-Calédonie. Rev.  
Agr. Nouvelle-Calédonie 1934: 1625-1630. O. 1934.  
On coffee.
- Rev. Bot. Appl. (Paris) (26R323)  
Chevalier, A.  
Sur l'origine des ebènes commerciaux de l'an-  
tiquité du XVII<sup>e</sup>-XVIII<sup>e</sup> siècle et de l'époque  
contemporaine. Rev. Bot. Appl. 14: 948-965.  
N. 1934. no.159.  
*Diospyros caucheana*, n. sp.
- Wildeman, E. de  
Morphologie florale des *Musa*. Rev. Bot. Appl.  
14: 925-930. N. 1934. no.159.
- Rev. Gén. Bot. (Paris) (45OR326)  
Bronner, A. M.  
Action du milieu extérieur sur le métabolisme  
végétal. III. La respiration de tissus foliaires formés  
à des intensités lumineuses différentes. Rev.  
Gén. Bot. 46: 641-653. N. 1934. no.551.  
*Teucrium scorodonia*, *Pisum sativum*, *Raphanus  
sativus*.



Rev. Gén. Bot. (cont.)

Gabriel, C.

Etude phyto-sociologique du Devoluy (suite)

Rev. Gén. Bot. 46: 654-687. N.1934. no.551.

Garnier, G.

Influence de l'étirement sur les cellules végétales (suite). Rev. Gén. Bot. 46: 388-704. N. 1934. no.551

Rev. Hort. (Paris) (80R32)

Jahandiez, E.

Les plantes grasses autres que les cactées. Les crassulacées (fin.) Rev. Hort. 106: 264-265. illus. N.16, 1934. no.11.

Rev. Zool. et Bot. Afr. (410R326)

Lebrun, J.

Les figuiers du Congo. Rev. Zool. et Bot. Afr. 25, Suppl. (Bull. Cercle Bot. Congol. v.2): 34-44. illus. N.30, 1934. no.3/4.

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (Posnań) (20.5R59)

Chrzaszcz, T. & Janicki, J.

Współdziałanie enzymów proteolitycznych przy zwiększaniu ilości amylazy w różnych zbożach. (Die mengo der amylase verschiedener getreidearten bei gleichzeitiger einwirkung verscheidener proteasen).

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 33: 191-200. 1934.

German summary: p.200.

Dziubałtowski, S.

Kilka uwag o występowaniu i pochodzeniu roślinności stepowej nad dolną Wisłą. (Quelques remarques sur la végétation steppique et sa genese dans la région de la Vistule inférieure). Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 33: 408-424. 1934.

French summary: p.422-424.

Jasnowski, S.

O dziedziczeniu ciężaru ziarna u *Triticum vulgare* L. (On the inheritance of weight of grains in *Triticum vulgare*). Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) 33: 59-68. 1934.

English summary: p.67-68.



Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For. Ann.) (cont.)  
Malinowski, E.

O wpływie długości dnia bujność mieszzańców  
fasoli. (Effect of the relative length of day and  
night on hybrid vigour in *Phaseolus vulgaris*).

Roczn. Nauk. Rolnicz. i Leśn. (Polish Agr. & For.  
Ann.) 33: 50-58. illus. 1934.

English summary: p. 57-58.

Pietruszczyński, Z.

Badania nad wpływem naświetlania nasion na  
ich kiełkowanie. (Untersuchungen über den einfluss  
der bestrahlung auf die keimung von pflanzensamen).

Roczn. Nauk Rolnicz. i Leśn. (Polish Agr. & For.  
Ann.) 33: 83-119. 1934.

German summary: p.115-119.

Schweiz. Zeitschr. Obst- u. Weinb. (Wädenswil) (80Sch9)  
Kessler, H.

Weitere versuche mit ozon in kunstlich gekühl-  
ten obstlagerräumen. Schweiz. Zeitschr. Obst-  
u. Weinb. 43: 282-283. Ag.4, 1934. no.16.

Osterwalder, A. & Kessler, H.

Das auftreten der fäulnis und nicht parasitärer  
krankheiten bei der kühlagerung des obstes.

Schweiz. Zeitschr. Obst- u. Weinb. 43: 413-528. 8 pl.  
(pt.col.) 0.27, 1934. no.22/23.

Osterwalder, A.

Bekämpfungversuche mit schwefelkalkbrühe und blei-  
oder kalkarseniat an apfel- und kirschbäumen im sommer  
1933. Schweiz. Zeitschr. Obst- u. Weinb. 43: 165-  
170. My.12, 1934. no.10.

Osterwalder, A.

Schorfbekämpfungversuche mit nosprasil und nos-  
prasen in den jahren 1932 und 1933. Schweiz.

Zeitschr. Obst- u. Weinb. 43: 204-210. Jo.9, 1934.  
no.12.

Science (470Sci2)

Dean, H. L.

Host responses to haustorial invasion of *Cus-  
cuta* species. Science 80: 588. D.21, 1934.  
no.2086.

Galls formed by host plants.

Thomas, W.

Misconceptions relative to the mineral com-  
position of plants. Science 80: 587. D.21,  
1934. no.2086.



Scient. Month. (470Sci23)

Fruehner, S. E.

Is America about to lose her elms? Scient. Month. 40: 70-73. Ja. 1935(D.1934) no.1.

Meier, F. C.

Collecting micro-organisms from the Arctic atmosphere. Scient. Month. 40: 5-20. illus. (incl. map) Ja.1935(D.1934) no.1.

With field notes and material, by Charles A. Lindbergh.

Wodchouse, R. P.

Pollen grains and worlds of different sizes. Scient. Month. 40: 58-62. illus. Ja.1935(D.1934) no.1.

Trop. Natuur (410.9T75)

Steinmann, A.

De op den Borobodoer afgebeelde plantenwereld. Trop. Natuur 23: 198-224. illus., vii pl. N. 1934. no.11.

Ruins of the great Buddhist temple (Boro Budor) in the Kadu residency, Java.

Zeitschr. Bot. (Jena) (450Z32)

Höhn, K.

Die bedeutung der wurzelhaare für die wasser-aufnahme der pflanzen. Zeitschr. Bot. 27: 529-564. illus. 1934. no.11/12.

Orth, H.

Die wirkung des follikelhormons auf die entwicklung der pflanze. Zeitschr. Bot. 27: 565-607. illus. 1934. no.11/12.

Zeitschr. Angew. Entom. (Berlin) (431Z36)

Lakon, G.

Entomophthoraceen-studien. I-IV. Zeitschr. Angew. Entom. 21: 89-95. Ja.1934. no.1.

I. Ueber Entomophthora pseudococci Speare. II. Zur systematik der insektenbewohnenden entomophthoraceen. III. Entomophthora blunckii n.sp. IV. Tarchidium hylemyiae n.sp.

Der Züchter. (Berlin) (442.Z38)

Grüber, F.

Variationsstatistische untersuchungen über einige wirtschaftlich wichtige eigenschaften beim beerenobst. Der Züchter 6: 294-296. N./D. 1934. no.11/12.



Der. Züchter (cont.)

Hackbarth, J. & Sengbusch, R. v.

Die vererbung der alkaloidfreiheit bei *Lupinus luteus* und *Lupinus angustifolius*. Der Züchter 6: 249-255. illus. N./D. 1934. no.11/12.

Hertzsch, W.

Die aufgaben der zweigstelle des Kaiser Wilhelm instituts für züchtungsforschung in Kl. Blumenau, Ostpr. Der Züchter 6: 258-260. N./D.1934. no.11/12.

Husfeld, B. & Scherz, W.

Neuaufbau der rebenunterlagenzüchtung. Der Züchter 6: 280-288. illus. N./D. 1934. no.11/12.

Kuckuck, H.

Artkreuzungen bei gerste. Der Züchter 6: 270-273. illus. N./D.1934. no.11/12.  
Vorläufige mitteilung.

Michaelis, P.

Weitere untersuchungen über das problem der plasmaverbung. Der Züchter 6: 303-306. N./D. 1934. no.11/12.  
Experiments with *Epilobium*.

Oehler, E.

Untersuchungen an drei neuen konstanten additiven *Aegilops*-weizenbastarden. Der Züchter 6: 263-270. illus. N./D. 1934. no.11/12.

Rosenstiel, K. v.

Untersuchungen zur genetik der kleberqualität bei winterweizen. Der Züchter 6: 261-262. N./D. 1934. no.11/12.

Rudloff, C. F. & Schmidt, M.

*Venturia inaequalis* (Cooke) Aderh. II. Zur züchtung schorfwiderstandsfähiger apfelsorten. Der Züchter 6: 288-294. illus. N./D. 1934. no.11/12.

Schick, R.

Untersuchungen über den wert des *Solanum andigenum* für die kartoffelzüchtung. Der Züchter. 6: 273-280. illus. N./D. 1934. no.11/12.



Der Züchter (cont.)

Stubbe, H.

Einige Kleinmutationen von *Antirrhinum majus*  
L. Der. Züchter 6: 299-303. illus. N./D.  
1934. no.11/12.

Ufer, M.

Wege und ergebnisse der züchterischen arbeit  
am steinklee. Der. Züchter 6: 255-258. N./D.  
1934. no.11/12.

Wettstein-Westersheim, W. & Behrndt, S.

Ueber forstpflanzenzüchtungsversuche. Der  
Züchter. 6: 296-299. illus. N./D. 1934. no.11/12.

Exp. Stat. Bul.

Robinson, J. L.

Physiologic factors affecting the germination  
of seed corn. Iowa Agr. Exp. Stat. Res. Bull.  
176. 112 p. illus. O. 1934(100Io9)

Coe, F. M.

Apricot varieties. Utah Agr. Exp. Stat. Bull.  
251. 59 p. illus. N.1934. (100Ut1)

New Books.

Armstrong, E. F. & Armstrong, K. F.

The carbohydrates. [ed.5] London.  
Longmans, 1934. (386.2Ar52)

British flower marketing association.

Carnation disease investigation scheme.  
Progress report. (no.2-5) Feb. 1934-Je.1934.  
London, 1934- (464.08B77)

Lewis, F.

The vegetable products of Ceylon...  
Colombo, The associated newspapers of  
Ceylon, 1934. (460.12L10)

Niklas, H. & others.

Pflanzenernährung. Weihenstephan bei München,  
Verlag der Bodenuntersuchungsstelle, 1934. (Litera-  
tursammlung aus dem gebiet der agrikulturchemie bd.  
III) (241Tp30)

Compiled from periodical publications covering  
the period from their inception thru 1932. The earliest  
appears to be *Chemisches centralblatt* (1830).



New Books (cont.)

Porterfield, W. M.

Wayside plants and weeds of Shanghai.  
Shanghai, Kelly & Walsh, 1933. (460.14P83)  
75 of illustrations have already appeared  
in China Journ. v.16, 17, 19 under title: Lawn  
and roadside plants of Shanghai.

Raunkiaer, C.

Dansk ekskursions-flora. 5. udgave. Under  
medvirkning af K. Wiinstedt og K. Jessen. København,  
Gyldendalske boghandel, 1934. (459.1R19)

Sprecher von Bernberg, A.

Tropische und subtropische weltwirtschafts-  
pflanzen, ihre geschichte, kultur und volkswirt-  
schaftliche bedeutung. III. teil. Genusspflanzen.  
2. bd. Kaffee und guaraná. Stuttgart, F. Enke,  
1934. (452.8Sp7)

Translations filed in Library of Bur. of Plant Industry.  
Lund, J. F.

Note sur l'influence de la dessiccation sur la  
respiration des tubercules (On the influence of  
desiccation on the respiration of tubers). Rev.  
Gén. Bot. 6: 353-355. 1894.

Jerusalem artichoke, onion, radish, potato and  
carrot.

Posthumus, O.

Meeningen over den kweekerseigendom (Opinions  
on plant patents). Arch. Suikerind. Neerl.  
Indië 41(1): 646-652. O.16, 1933. no.20.









